WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 7, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 7	642.0	6.0	0.0	648.0	0.00	648.0	4.8	1.2	0.0	643.2	-1.2	0.0
9	Howell to Chilly		May 7	0.0	104.4	0.0	-537.6	1.00	110.4	87.9	16.5	0.0	17.7	-17.7	0.0
8	Chilly to Reservoir	*	May 7	180.2	58.2	0.0	238.3	0.00	348.8	48.4	9.8	0.0	207.6	-27.5	0.0
	Disconnected														
7	Mackay Reservoir	*	May 7	216.9	0.0	0.0	180.2	0.00	180.2	125.7		0.0	54.5	162.4	0.0
6	Reservoir to 2B		May 7	210.0	6.9	0.0	0.0	0.00	180.2	6.1	0.8	0.0	48.4	161.6	0.0
5	2B to Leslie		May 7	142.0	10.6	0.0	-57.4	0.27	180.2	10.4	0.2	0.0	24.7	117.3	0.0
4	Leslie to Moore		May 7	0.0	40.3	0.0	-101.7	0.72	180.2	7.0	33.3	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		May 7	0.0	31.9	27.9	8.9	0.00	189.1	2.1	6.8	23.0	6.8	-6.8	0.0
1	Blw Munsey to Arco		May 7	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	6.8	-6.8	0.0
								TOTAL		292.5	68.6	23.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 7	0.0	0.0		19160207	1%
9	Howell to Chilly	May 7	0.0	0.0		19160207	1%
8	Chilly to Reservoir	May 7	0.0	0.0		19160207	1%
	Disconnected						
7	Mackay Reservoir	May 7	0.0	0.0		19160207	1%
6	Reservoir to 2B	May 7	0.0	0.0		19160207	1%
5	2B to Leslie	May 7	13.2	44.2		19160207	1%
4	Leslie to Moore	May 7	17.7	84.0		19160207	1%
2	Moore to blw Munsey	May 7	0.0	0.0		19160207	1%
1	Blw Munsey to Arco	May 7	0.0	0.0		19160207	1%
	TOTAL		30.9	128.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	6.3
2	18810630	1.7	294.0	3.4
3	18880601	3.2	556.5	6.3
4	18960601	6.4	1113.0	12.7
5	19020301	0.8	140.0	1.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17082.9
8	19590902	Unlimited	6000.0	0.0
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	37759.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37180.0	37080.0	-100.0	-50.4	13.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	249.2
Total Storage Loss	-240.9
Total Storage Deliver	-81.5
Total Evaporation	-27.1
Accounting Balance	37079.7
Current Res Content	37080.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

37180.0 Reservoir Content Previous Day [ac-ft]
37080.0 Reservoir Content Current Day [ac-ft]
-100.0 Physical Change in Storage [ac-ft]

249.2 Storage Allocated to Mackay Reservoir [ac-ft]

-240.9 Stored Flow Losses [ac-ft]
-44.2 2B to Leslie [cfs]
-84.0 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
6.8 Past Arco Gage [cfs]

-81.4 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.8 Reservoir to 2B [cfs]
0.2 2B to Leslie [cfs]
33.3 Leslie to Moore [cfs]
6.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-27.1 Evaporation [ac-ft]

-100.2 Accounting Change in Storage [ac-ft]

-0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

180.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
8.9 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

189.1 Total Available Natural Flow [cfs]

125.7 Reservoir Rights Diverted [cfs]

37.7 Natural Flow Losses below Reservoir [cfs]
13.2 2B to Leslie [cfs]
17.7 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
6.8 Natural Flow Past Arco Gage [cfs]

25.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
6.1 Reservoir to 2B [cfs]
10.4 2B to Leslie [cfs]
7.0 Leslie to Moore [cfs]
2.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

189.0 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	0.0	0
Eastside Felton Wier +	0.0	0
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.8	388
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	27.9	1393
Groundwater to Arco	13.1	654
Groundwater to Munsey	14.8	739

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	23.0	1150
Total Out	23.0	1150

Abbreviated Reach Delivery Factor	0.83

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 82.6%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 23.0 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 0.0 cfs
Step 4 - River at Weirs	River at Eastside Out / Abbreviated Reach Delivery Factor	= 0.0 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs / Eastside In	= 0.0%
Step 6 - River at Eastside In	River at Weirs / Upper Reach Delivery Factor	= 0.0 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 0.0 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 0.0%
Step 9 - Eastside River Delivery Factor	River at Eastside Out / River at Eastside In	= 0.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 7, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	6.0	1.2	2.4	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.9	0.8	1.5
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	3.0	0.1	0.2
9	BITTON	4.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	7.6	0.0	0.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	41.1	2.2	4.4	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.3	0.6	5	SUTTER	0.0	0.0	0.0
9	CHILLY	44.2	0.8	1.5	8	Broken River Dit	4.5	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.4	1.7	3.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	1.8	3.6
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	5.0	1.3	2.6	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	0.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	3.0	0.7	1.4	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	3.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	2.0	4.0	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	10.0	4.5	9.0	8	Stoecklein 1	3.2	0.0	0.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	5.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	32.5	28.2	55.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	0.0	0.0	0.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	8.9	-1.9	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	10.4	20.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	5.5	0.9	1.8	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.8	30.8
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	0.0	0.0	2	SCHUREMAN EXCHAN	7.0	27.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	30.9	2	RASMUSSEN EXCHAN	5.3	21.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	0.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 8, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 8	770.0	6.0	0.0	776.0	0.00	776.0	4.8	1.2	0.0	771.2	-1.2	0.0
9	Howell to Chilly		May 8	0.0	104.4	0.0	-665.6	1.00	110.4	87.9	16.5	0.0	17.7	-17.7	0.0
8	Chilly to Reservoir	*	May 8	190.2	58.2	0.0	248.4	0.00	358.8	48.4	9.8	0.0	217.6	-27.5	0.0
	Disconnected														
7	Mackay Reservoir	*	May 8	266.9	0.0	0.0	190.2	0.00	190.2	26.8		0.0	163.4	103.5	0.0
6	Reservoir to 2B		May 8	260.0	6.9	0.0	0.0	0.00	190.2	6.1	0.8	0.0	157.3	102.7	0.0
5	2B to Leslie		May 8	166.0	10.6	0.0	-83.4	0.32	190.2	10.6	0.0	0.0	96.2	69.8	0.0
4	Leslie to Moore		May 8	0.0	40.3	0.0	-125.7	0.76	190.2	23.4	16.9	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		May 8	0.0	31.9	27.9	7.5	0.00	197.7	1.9	5.6	24.4	5.6	-5.6	0.0
1	Blw Munsey to Arco		May 8	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	5.6	-5.6	0.0
								TOTAL		210.0	50.8	24.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 8	0.0	0.0		19160207	0%
9	Howell to Chilly	May 8	0.0	0.0		19160207	0%
8	Chilly to Reservoir	May 8	0.0	0.0		19160207	0%
	Disconnected						
7	Mackay Reservoir	May 8	0.0	0.0		19160207	0%
6	Reservoir to 2B	May 8	0.0	0.0		19160207	0%
5	2B to Leslie	May 8	50.4	33.0		19160207	0%
4	Leslie to Moore	May 8	72.9	52.8		19160207	0%
2	Moore to blw Munsey	May 8	0.0	0.0		19160207	0%
1	Blw Munsey to Arco	May 8	0.0	0.0		19160207	0%
	TOTAL		123.3	85.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	12.7
2	18810630	1.7	294.0	6.7
3	18880601	3.2	556.5	12.7
4	18960601	6.4	1113.0	25.4
5	19020301	0.8	140.0	3.2
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17105.7
8	19590902	Unlimited	6000.0	0.0
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	37812.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37080.0	36900.0	-180.0	-90.7	14.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	302.4
Total Storage Loss	-400.1
Total Storage Deliver	-127.7
Total Evaporation	-55.0
Accounting Balance	36899.6
Current Res Content	36900.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

37080.0 Reservoir Content Previous Day [ac-ft]
36900.0 Reservoir Content Current Day [ac-ft]
-180.0 Physical Change in Storage [ac-ft]

53.1 Storage Allocated to Mackay Reservoir [ac-ft]

-159.2 Stored Flow Losses [ac-ft]
-33.0 2B to Leslie [cfs]
-52.8 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
5.6 Past Arco Gage [cfs]

-46.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.8 Reservoir to 2B [cfs]
0.0 2B to Leslie [cfs]
16.9 Leslie to Moore [cfs]
5.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-27.8 Evaporation [ac-ft]

-180.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

190.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
7.5 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

197.7 Total Available Natural Flow [cfs]

26.8 Reservoir Rights Diverted [cfs]

128.9 Natural Flow Losses below Reservoir [cfs]
50.4 2B to Leslie [cfs]
72.9 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
5.6 Natural Flow Past Arco Gage [cfs]

42.0 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
6.1 Reservoir to 2B [cfs]
10.6 2B to Leslie [cfs]
23.4 Leslie to Moore [cfs]
1.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

197.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	0.0	0
Eastside Felton Wier +	0.0	0
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.8	388
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	27.9	1393
Groundwater to Arco	13.1	654
Groundwater to Munsey	14.8	739

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	24.4	1220
Total Out	24.4	1220

Abbreviated Reach Delivery Factor	0.88

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 87.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 24.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 0.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 0.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 0.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 0.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 0.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 0.0%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 0.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 8, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	6.0	1.2	4.8	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.9	0.8	3.0
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	3.0	0.0	0.2
9	BITTON	4.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	7.6	0.0	0.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	41.1	2.2	8.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.3	1.3	5	SUTTER	0.0	0.0	0.0
9	CHILLY	44.2	0.8	3.0	8	Broken River Dit	4.5	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.4	1.7	6.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	1.8	7.1
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	5.0	1.3	5.2	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	0.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	3.0	0.7	2.7	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	6.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	2.0	7.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	10.0	4.5	18.0	8	Stoecklein 1	3.2	0.0	0.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	5.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	32.5	11.8	79.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	0.0	0.0	0.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	8.9	-2.6	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	9.7	39.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	5.5	0.9	3.6	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.8	61.6
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	0.0	0.0	2	SCHUREMAN EXCHAN	7.0	55.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	61.9	2	RASMUSSEN EXCHAN	5.3	42.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	0.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 9, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 9	866.0	6.0	0.0	872.0	0.00	872.0	4.8	1.2	0.0	867.2	-1.2	0.0
9	Howell to Chilly		May 9	0.0	104.4	0.0	-761.6	1.00	110.4	87.9	16.5	0.0	17.7	-17.7	0.0
8	Chilly to Reservoir	*	May 9	200.6	58.2	0.0	258.8	0.00	369.2	48.4	9.8	0.0	228.1	-27.5	0.0
	Disconnected														
7	Mackay Reservoir	*	May 9	268.8	0.0	0.0	200.6	0.00	200.6	36.9		0.0	163.7	105.1	0.0
6	Reservoir to 2B		May 9	263.0	5.8	0.0	0.0	0.00	200.6	5.7	0.1	0.0	158.0	105.0	0.0
5	2B to Leslie		May 9	200.0	10.6	0.0	-52.4	0.20	200.6	10.6	0.0	0.0	115.9	84.1	0.0
4	Leslie to Moore		May 9	0.0	40.3	0.0	-159.7	0.80	200.6	23.4	16.9	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		May 9	0.0	31.9	27.9	3.6	0.00	204.2	1.9	1.7	28.3	1.7	-1.7	0.0
1	Blw Munsey to Arco		May 9	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	1.7	-1.7	0.0
									TOTAL	219.6	46.2	28.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 9	0.0	0.0		19160207	0%
9	Howell to Chilly	May 9	0.0	0.0		19160207	0%
8	Chilly to Reservoir	May 9	0.0	0.0		19160207	0%
	Disconnected						
7	Mackay Reservoir	May 9	0.0	0.0		19160207	0%
6	Reservoir to 2B	May 9	0.0	0.0		19160207	0%
5	2B to Leslie	May 9	31.5	20.9		19160207	0%
4	Leslie to Moore	May 9	92.6	67.1		19160207	0%
2	Moore to blw Munsey	May 9	0.0	0.0		19160207	0%
1	Blw Munsey to Arco	May 9	0.0	0.0		19160207	0%
	TOTAL		124.1	88.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	19.0
2	18810630	1.7	294.0	10.1
3	18880601	3.2	556.5	19.0
4	18960601	6.4	1113.0	38.1
5	19020301	0.8	140.0	4.8
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17148.6
8	19590902	Unlimited	6000.0	0.0
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	37885.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36900.0	36740.0	-160.0	-80.7	12.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	375.6
Total Storage Loss	-571.3
Total Storage Deliver	-164.8
Total Evaporation	-79.7
Accounting Balance	36739.8
Current Res Content	36740.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

36900.0	Reservoir Content Previous Day [ac-ft]
36740.0	Reservoir Content Current Day [ac-ft]
-160.0	Physical Change in Storage [ac-ft]
73.3	Storage Allocated to Mackay Reservoir [ac-ft]
-171.2	Stored Flow Losses [ac-ft]
-20.9	2B to Leslie [cfs]
-67.1	Leslie to Moore [cfs]
0.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
1.7	Past Arco Gage [cfs]
-37.1	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
0.0	2B to Leslie [cfs]
16.9	Leslie to Moore [cfs]
1.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-24.7	Evaporation [ac-ft]
-159.7	Accounting Change in Storage [ac-ft]
0.3	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

200.6	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
3.6	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
204.2	Total Available Natural Flow [cfs]
36.9	Reservoir Rights Diverted [cfs]
125.8	Natural Flow Losses below Reservoir [cfs]
31.5	2B to Leslie [cfs]
92.6	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
1.7	Natural Flow Past Arco Gage [cfs]
41.6	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
5.7	Reservoir to 2B [cfs]
10.6	2B to Leslie [cfs]
23.4	Leslie to Moore [cfs]
1.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
204.3	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	0.0	0
Eastside Felton Wier +	0.0	0
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.8	388
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	27.9	1393
Groundwater to Arco	13.1	654
Groundwater to Munsey	14.8	739

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	28.3	1415
Total Out	28.3	1415

Abbreviated Reach Delivery Factor	1.02

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 101.6%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 28.3 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 0.0 cfs
Step 4 - River at Weirs	River at Eastside Out / Abbreviated Reach Delivery Factor	= 0.0 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs / Eastside In	= 0.0%
Step 6 - River at Eastside In	River at Weirs / Upper Reach Delivery Factor	= 0.0 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 12.9 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 0.0%
Step 9 - Eastside River Delivery Factor	River at Eastside Out / River at Eastside In	= 0.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 9, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	6.0	1.2	7.1	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.8	0.1	3.2
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	3.0	0.0	0.2
9	BITTON	4.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	7.6	0.0	0.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	41.1	2.2	13.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.3	1.9	5	SUTTER	0.0	0.0	0.0
9	CHILLY	44.2	0.8	4.5	8	Broken River Dit	4.5	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.4	1.7	10.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	1.8	10.7
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	5.0	1.3	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	0.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	3.0	0.7	4.1	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	9.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	2.0	11.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	10.0	4.5	27.0	8	Stoecklein 1	3.2	0.0	0.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	5.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	32.5	11.8	102.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.9	12.9	25.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	8.9	-4.4	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	7.7	55.2
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	5.5	0.9	5.5	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.8	92.4
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	0.0	0.0	2	SCHUREMAN EXCHAN	7.0	83.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	92.8	2	RASMUSSEN EXCHAN	5.3	63.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	0.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 10, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 10	914.0	6.0	0.0	920.0	0.00	920.0	4.8	1.2	0.0	915.2	-1.2	0.0
9	Howell to Chilly		May 10	0.0	105.4	0.0	-808.6	1.00	111.4	87.9	17.5	0.0	18.7	-18.7	0.0
8	Chilly to Reservoir	*	May 10	295.2	58.2	0.0	353.4	0.00	464.8	50.0	8.2	0.0	322.1	-26.9	0.0
	Connected														
7	Mackay Reservoir	*	May 10	268.0	0.0	0.0	0.0	0.00	464.8	179.4		0.0	142.7	125.3	0.0
6	Reservoir to 2B		May 10	261.0	7.0	0.0	0.0	0.00	464.8	6.9	0.1	0.0	135.8	125.2	0.0
5	2B to Leslie		May 10	194.0	10.6	0.0	-56.4	0.22	464.8	10.6	0.0	0.0	95.9	98.1	0.0
4	Leslie to Moore		May 10	0.0	40.7	0.0	-132.5	0.68	464.8	24.3	16.4	0.0	6.1	-6.1	0.0
2	Moore to blw Munsey		May 10	0.0	31.9	27.9	-16.7	0.80	464.8	1.2	2.9	27.8	0.0	0.0	0.0
1	Blw Munsey to Arco		May 10	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	365.1	46.3	27.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 10	0.0	0.0		19590902	1%
9	Howell to Chilly	May 10	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 10	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 10	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 10	0.0	0.0		19590902	1%
5	2B to Leslie	May 10	29.3	27.1		19590902	1%
4	Leslie to Moore	May 10	65.5	67.0		19590902	1%
2	Moore to blw Munsey	May 10	4.9	11.8		19590902	1%
1	Blw Munsey to Arco	May 10	0.0	0.0		19590902	1%
	TOTAL		99.7	105.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	25.4
2	18810630	1.7	294.0	13.5
3	18880601	3.2	556.5	25.4
4	18960601	6.4	1113.0	50.8
5	19020301	0.8	140.0	6.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	269.0
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	38241.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36740.0	36770.0	30.0	15.1	12.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	731.4
Total Storage Loss	-781.4
Total Storage Deliver	-256.7
Total Evaporation	-103.6
Accounting Balance	36769.7
Current Res Content	36770.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

36740.0 Reservoir Content Previous Day [ac-ft]
36770.0 Reservoir Content Current Day [ac-ft]
30.0 Physical Change in Storage [ac-ft]

355.8 Storage Allocated to Mackay Reservoir [ac-ft]

-210.1 Stored Flow Losses [ac-ft]
-27.1 2B to Leslie [cfs]
-67.0 Leslie to Moore [cfs]
-11.8 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-91.8 Storage Delivered [ac-ft]
26.9 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
0.0 2B to Leslie [cfs]
16.4 Leslie to Moore [cfs]
2.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-23.9 Evaporation [ac-ft]

30.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

295.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

295.2 Total Available Natural Flow [cfs]

179.4 Reservoir Rights Diverted [cfs]

99.7 Natural Flow Losses below Reservoir [cfs]
29.3 2B to Leslie [cfs]
65.5 Leslie to Moore [cfs]
4.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

16.1 Natural Flow Delivered [cfs]
-26.9 Above Reservoir Storage Use [cfs]
6.9 Reservoir to 2B [cfs]
10.6 2B to Leslie [cfs]
24.3 Leslie to Moore [cfs]
1.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

295.2 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	0.9	45
Eastside Felton Wier +	0.0	0
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.8	388
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	28.8	1438
Groundwater to Arco	13.1	654
Groundwater to Munsey	14.8	739

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	28.7	1435
Total Out	28.7	1435
Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.00	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 99.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 27.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 0.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 0.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 4.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 20.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 0.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 0.0%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 4.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 10, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	6.0	1.2	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.1	3.4
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	3.0	0.0	0.2
9	BITTON	4.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	7.6	0.0	0.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	41.1	2.2	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.3	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	44.2	0.8	6.0	8	Broken River Dit	4.5	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.4	1.7	13.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	1.8	14.3
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	5.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	0.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	3.0	0.6	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	12.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	2.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	10.0	4.5	35.9	8	Stoecklein 1	3.2	0.0	0.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	5.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	32.9	11.3	125.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	0.0	0.0	25.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	8.9	-4.2	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	7.1	69.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	5.5	0.8	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.8	107.7
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	0.0	0.0	2	SCHUREMAN EXCHAN	7.0	96.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	108.3	2	RASMUSSEN EXCHAN	5.3	73.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	0.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 11, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 11	1020.0	0.0	0.0	1020.0	0.00	1020.0	0.0	0.0	0.0	1020.0	0.0	0.0
9	Howell to Chilly		May 11	3.6	13.9	0.0	-1002.5	0.98	17.5	12.4	1.4	0.0	5.0	-1.4	0.0
8	Chilly to Reservoir	*	May 11	355.7	15.3	0.0	367.4	0.00	384.9	15.3	0.0	0.0	357.1	-1.4	0.0
	Connected														
7	Mackay Reservoir	*	May 11	346.0	0.0	0.0	0.0	0.00	384.9	100.0		0.0	257.1	88.9	0.0
6	Reservoir to 2B		May 11	339.0	7.0	0.0	0.0	0.00	384.9	6.9	0.1	0.0	250.2	88.8	0.0
5	2B to Leslie		May 11	227.0	10.6	0.0	-101.4	0.30	384.9	10.6	0.0	0.0	164.8	62.2	0.0
4	Leslie to Moore		May 11	0.0	63.5	0.0	-161.6	0.71	384.9	47.5	16.0	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		May 11	0.0	39.0	45.3	5.7	0.00	390.6	5.1	2.5	31.4	0.6	-0.6	0.0
1	Blw Munsey to Arco		May 11	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.6	-0.6	0.0
								TOTAL		197.8	20.0	31.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 11	0.0	0.0		19590902	1%
9	Howell to Chilly	May 11	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 11	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 11	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 11	0.0	0.0		19590902	1%
5	2B to Leslie	May 11	74.8	26.6		19590902	1%
4	Leslie to Moore	May 11	117.3	44.3		19590902	1%
2	Moore to blw Munsey	May 11	0.0	0.0		19590902	1%
1	Blw Munsey to Arco	May 11	0.0	0.0		19590902	1%
	TOTAL		192.1	70.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	31.7
2	18810630	1.7	294.0	16.9
3	18880601	3.2	556.5	31.7
4	18960601	6.4	1113.0	63.5
5	19020301	0.8	140.0	7.9
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	437.1
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	38439.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36770.0	36760.0	-10.0	-5.0	14.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	929.8
Total Storage Loss	-920.8
Total Storage Deliver	-296.3
Total Evaporation	-132.8
Accounting Balance	36759.9
Current Res Content	36760.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

36770.0	Reservoir Content Previous Day [ac-ft]
36760.0	Reservoir Content Current Day [ac-ft]
-10.0	Physical Change in Storage [ac-ft]
198.4	Storage Allocated to Mackay Reservoir [ac-ft]
-139.4	Stored Flow Losses [ac-ft]
-26.6	2B to Leslie [cfs]
-44.3	Leslie to Moore [cfs]
0.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.6	Past Arco Gage [cfs]
-39.7	Storage Delivered [ac-ft]
1.4	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
0.0	2B to Leslie [cfs]
16.0	Leslie to Moore [cfs]
2.5	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-29.2	Evaporation [ac-ft]
-9.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

355.7	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
5.7	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
361.4	Total Available Natural Flow [cfs]
100.0	Reservoir Rights Diverted [cfs]
192.7	Natural Flow Losses below Reservoir [cfs]
74.8	2B to Leslie [cfs]
117.3	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.6	Natural Flow Past Arco Gage [cfs]
68.7	Natural Flow Delivered [cfs]
-1.4	Above Reservoir Storage Use [cfs]
6.9	Reservoir to 2B [cfs]
10.6	2B to Leslie [cfs]
47.5	Leslie to Moore [cfs]
5.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
361.4	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	0.3	15
Eastside Felton Wier +	0.0	0
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	45.6	2280
Groundwater to Arco	20.7	1036
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	31.6	1580
Total Out	31.6	1580

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.69

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 69.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 31.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 0.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 0.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 15.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 1.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 15.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 10.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 11, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.1	3.6
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	3.0	0.0	0.2
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	7.6	0.0	0.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	7.2	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	6.0	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.4	1.7	16.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	1.8	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	1.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	15.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	35.9	8	Stoecklein 1	0.0	0.0	0.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	52.7	15.7	156.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.2	6.3	38.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	13.0	-1.8	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	26.0	8.4	85.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	121.6
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	19.4	2	SCHUREMAN EXCHAN	7.0	110.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	123.8	2	RASMUSSEN EXCHAN	5.3	84.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	16.7	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 12, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 12	1220.0	0.0	0.0	1220.0	0.00	1220.0	0.0	0.0	0.0	1220.0	0.0	0.0
9	Howell to Chilly		May 12	3.6	13.9	0.0	-1202.5	0.99	17.5	7.2	6.6	0.0	10.2	-6.6	0.0
8	Chilly to Reservoir	*	May 12	450.6	15.3	0.0	462.3	0.00	479.8	15.3	0.0	0.0	457.2	-6.6	0.0
	Connected														
7	Mackay Reservoir	*	May 12	454.0	0.0	0.0	0.0	0.00	479.8	110.4		0.0	346.8	107.2	0.0
6	Reservoir to 2B		May 12	447.0	7.0	0.0	0.0	0.00	479.8	6.9	0.1	0.0	339.9	107.1	0.0
5	2B to Leslie		May 12	323.0	24.6	0.0	-99.4	0.22	479.8	23.9	0.7	0.0	240.4	82.6	0.0
4	Leslie to Moore		May 12	0.0	73.6	0.0	-227.8	0.71	479.8	55.0	18.6	0.0	15.9	-15.9	0.0
2	Moore to blw Munsey		May 12	0.0	41.5	45.3	-12.6	0.59	479.8	6.6	2.4	32.5	0.0	0.0	0.0
1	Blw Munsey to Arco		May 12	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		225.3	28.4	32.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 12	0.0	0.0		19590902	1%
9	Howell to Chilly	May 12	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 12	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 12	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 12	0.0	0.0		19590902	1%
5	2B to Leslie	May 12	75.6	23.8		19590902	1%
4	Leslie to Moore	May 12	169.6	58.2		19590902	1%
2	Moore to blw Munsey	May 12	9.3	3.4		19590902	1%
1	Blw Munsey to Arco	May 12	0.0	0.0		19590902	1%
	TOTAL		254.5	85.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	38.1
2	18810630	1.7	294.0	20.2
3	18880601	3.2	556.5	38.1
4	18960601	6.4	1113.0	76.2
5	19020301	0.8	140.0	9.5
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	625.7
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	38658.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36760.0	36730.0	-30.0	-15.1	11.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	1148.8
Total Storage Loss	-1090.2
Total Storage Deliver	-352.7
Total Evaporation	-156.0
Accounting Balance	36729.9
Current Res Content	36730.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

36760.0	Reservoir Content Previous Day [ac-ft]
36730.0	Reservoir Content Current Day [ac-ft]
-30.0	Physical Change in Storage [ac-ft]
219.0	Storage Allocated to Mackay Reservoir [ac-ft]
-169.4	Stored Flow Losses [ac-ft]
-23.8	2B to Leslie [cfs]
-58.2	Leslie to Moore [cfs]
-3.4	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-56.3	Storage Delivered [ac-ft]
6.6	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
0.7	2B to Leslie [cfs]
18.6	Leslie to Moore [cfs]
2.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-23.2	Evaporation [ac-ft]
-29.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

450.6	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
450.6	Total Available Natural Flow [cfs]
110.4	Reservoir Rights Diverted [cfs]
254.5	Natural Flow Losses below Reservoir [cfs]
75.6	2B to Leslie [cfs]
169.6	Leslie to Moore [cfs]
9.3	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
85.8	Natural Flow Delivered [cfs]
-6.6	Above Reservoir Storage Use [cfs]
6.9	Reservoir to 2B [cfs]
23.9	2B to Leslie [cfs]
55.0	Leslie to Moore [cfs]
6.6	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
450.7	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	2.4	120
Eastside Felton Wier +	3.4	170
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	51.1	2555
Groundwater to Arco	20.7	1036
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	36.7	1835
Total Out	36.7	1835

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.72

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 71.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 4.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 5.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 26.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 21.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 8.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 26.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 19.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 12, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.1	3.8
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	17.0	0.0	0.3
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	7.6	0.7	1.7
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	7.2	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	5.2	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	8.6	1.6	20.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	3.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	19.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	35.9	8	Stoecklein 1	0.0	0.0	0.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	58.6	19.1	194.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	8.2	1.4	41.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	15.0	-3.8	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	26.5	6.1	98.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	135.5
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	38.9	2	SCHUREMAN EXCHAN	7.0	124.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	139.2	2	RASMUSSEN EXCHAN	5.3	95.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	33.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 13, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 13	1360.0	0.0	0.0	1360.0	0.00	1360.0	0.0	0.0	0.0	1360.0	0.0	0.0
9	Howell to Chilly		May 13	2.4	12.7	0.0	-1344.9	0.99	15.1	11.2	1.4	0.0	3.8	-1.4	0.0
8	Chilly to Reservoir	*	May 13	620.8	20.5	0.0	639.0	0.00	654.0	20.1	0.4	0.0	622.7	-1.8	0.0
	Connected														
7	Mackay Reservoir	*	May 13	503.4	0.0	0.0	0.0	0.00	654.0	225.2		0.0	397.5	105.9	0.0
6	Reservoir to 2B		May 13	495.0	8.4	0.0	0.0	0.00	654.0	8.2	0.2	0.0	389.3	105.7	0.0
5	2B to Leslie		May 13	359.0	40.0	0.0	-96.0	0.19	654.0	37.1	2.9	0.0	276.7	82.3	0.0
4	Leslie to Moore		May 13	0.0	109.2	0.0	-224.3	0.62	654.0	87.9	21.2	0.0	15.9	-15.9	0.0
2	Moore to blw Munsey		May 13	0.0	56.0	45.8	-5.3	0.21	654.0	12.6	7.6	35.8	0.0	0.0	0.0
1	Blw Munsey to Arco		May 13	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	402.4	33.7	35.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 13	0.0	0.0		19590902	2%
9	Howell to Chilly	May 13	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 13	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 13	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 13	0.0	0.0		19590902	2%
5	2B to Leslie	May 13	75.5	20.5		19590902	2%
4	Leslie to Moore	May 13	172.9	51.4		19590902	2%
2	Moore to blw Munsey	May 13	3.3	2.0		19590902	2%
1	Blw Munsey to Arco	May 13	0.0	0.0		19590902	2%
	TOTAL		251.7	73.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	44.4
2	18810630	1.7	294.0	23.6
3	18880601	3.2	556.5	44.4
4	18960601	6.4	1113.0	88.9
5	19020301	0.8	140.0	11.1
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	1041.9
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	39105.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36730.0	36930.0	200.0	100.8	16.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	1595.4
Total Storage Loss	-1236.8
Total Storage Deliver	-419.5
Total Evaporation	-188.9
Accounting Balance	36930.2
Current Res Content	36930.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

36730.0 Reservoir Content Previous Day [ac-ft]
36930.0 Reservoir Content Current Day [ac-ft]
200.0 Physical Change in Storage [ac-ft]

446.6 Storage Allocated to Mackay Reservoir [ac-ft]

-146.6 Stored Flow Losses [ac-ft]
-20.5 2B to Leslie [cfs]
-51.4 Leslie to Moore [cfs]
-2.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-66.9 Storage Delivered [ac-ft]
1.8 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
2.9 2B to Leslie [cfs]
21.2 Leslie to Moore [cfs]
7.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-32.9 Evaporation [ac-ft]

200.2 Accounting Change in Storage [ac-ft]

0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

620.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

620.8 Total Available Natural Flow [cfs]

225.2 Reservoir Rights Diverted [cfs]

251.7 Natural Flow Losses below Reservoir [cfs]
75.5 2B to Leslie [cfs]
172.9 Leslie to Moore [cfs]
3.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

144.0 Natural Flow Delivered [cfs]
-1.8 Above Reservoir Storage Use [cfs]
8.2 Reservoir to 2B [cfs]
37.1 2B to Leslie [cfs]
87.9 Leslie to Moore [cfs]
12.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

620.9 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.6	330
Eastside Felton Wier +	17.4	870
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.8	388
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	69.8	3492
Groundwater to Arco	21.3	1063
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	5.0	250
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.4	20
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	47.4	2370
Total Out	54.5	2725

Abbreviated Reach Delivery Factor	0.78

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 78.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 11.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 14.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 58.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 25.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 28.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 51.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 45.6%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 13, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.4	0.2	4.1
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	0.8	1.9
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	0.0	0.0	0.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	20.0	2.1	5.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	7.2	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	8.6	1.6	23.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	4.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	4.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	22.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	35.9	8	Stoecklein 1	3.6	0.4	0.8	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	74.7	19.0	232.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	28.4	4.9	50.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-0.7	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	30.0	8.4	114.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.8	150.9
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	58.3	2	SCHUREMAN EXCHAN	7.0	138.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	154.7	2	RASMUSSEN EXCHAN	5.1	105.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	50.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 14, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 14	1380.0	0.0	0.0	1380.0	0.00	1380.0	0.0	0.0	0.0	1380.0	0.0	0.0
9	Howell to Chilly		May 14	2.4	12.7	0.0	-1364.9	0.99	15.1	11.2	1.4	0.0	3.8	-1.4	0.0
8	Chilly to Reservoir	*	May 14	712.7	20.5	0.0	730.8	0.00	745.9	20.1	0.4	0.0	714.5	-1.8	0.0
	Connected														
7	Mackay Reservoir	*	May 14	587.4	0.0	0.0	0.0	0.00	745.9	298.9		0.0	415.6	171.8	0.0
6	Reservoir to 2B		May 14	579.0	8.4	0.0	0.0	0.00	745.9	8.2	0.2	0.0	407.4	171.6	0.0
5	2B to Leslie		May 14	413.0	68.0	0.0	-98.0	0.17	745.9	36.4	31.6	0.0	302.1	110.9	0.0
4	Leslie to Moore		May 14	0.0	131.9	0.0	-237.1	0.57	745.9	102.9	29.0	0.0	25.8	-25.8	0.0
2	Moore to blw Munsey		May 14	0.0	56.0	45.8	-22.1	0.50	745.9	12.8	9.1	34.0	0.0	0.0	0.0
1	Blw Munsey to Arco		May 14	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	490.6	71.7	34.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 14	0.0	0.0		19590902	3%
9	Howell to Chilly	May 14	0.0	0.0		19590902	3%
8	Chilly to Reservoir	May 14	0.0	0.0		19590902	3%
	Connected						
7	Mackay Reservoir	May 14	0.0	0.0		19590902	3%
6	Reservoir to 2B	May 14	0.0	0.0		19590902	3%
5	2B to Leslie	May 14	69.0	29.0		19590902	3%
4	Leslie to Moore	May 14	173.4	63.7		19590902	3%
2	Moore to blw Munsey	May 14	12.9	9.2		19590902	3%
1	Blw Munsey to Arco	May 14	0.0	0.0		19590902	3%
	TOTAL		255.3	101.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	50.8
2	18810630	1.7	294.0	27.0
3	18880601	3.2	556.5	50.8
4	18960601	6.4	1113.0	101.6
5	19020301	0.8	140.0	12.7
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	1604.5
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	39698.3

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36930.0	37150.0	220.0	110.9	14.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	2188.3
Total Storage Loss	-1438.9
Total Storage Deliver	-561.7
Total Evaporation	-217.4
Accounting Balance	37150.2
Current Res Content	37150.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

36930.0 Reservoir Content Previous Day [ac-ft]
37150.0 Reservoir Content Current Day [ac-ft]
220.0 Physical Change in Storage [ac-ft]

592.9 Storage Allocated to Mackay Reservoir [ac-ft]

-202.1 Stored Flow Losses [ac-ft]
-29.0 2B to Leslie [cfs]
-63.7 Leslie to Moore [cfs]
-9.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-142.2 Storage Delivered [ac-ft]
1.8 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
31.6 2B to Leslie [cfs]
29.0 Leslie to Moore [cfs]
9.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.5 Evaporation [ac-ft]

220.1 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

712.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

712.7 Total Available Natural Flow [cfs]

298.9 Reservoir Rights Diverted [cfs]

255.3 Natural Flow Losses below Reservoir [cfs]
69.0 2B to Leslie [cfs]
173.4 Leslie to Moore [cfs]
12.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

158.5 Natural Flow Delivered [cfs]
-1.8 Above Reservoir Storage Use [cfs]
8.2 Reservoir to 2B [cfs]
36.4 2B to Leslie [cfs]
102.9 Leslie to Moore [cfs]
12.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

712.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.9	295
Eastside Felton Wier +	33.9	1695
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.8	388
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	85.6	4282
Groundwater to Arco	21.3	1063
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	5.5	275
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.4	20
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	56.0	2800
Total Out	63.6	3180

Abbreviated Reach Delivery Factor	0.74

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 74.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 22.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 29.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 67.2%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 44.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 30.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 58.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 49.9%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 14, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.4	0.2	4.4
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	1.5	5.0
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	28.0	55.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	20.0	2.1	10.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	7.2	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	8.6	1.6	26.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	4.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	6.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	25.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	35.9	8	Stoecklein 1	3.6	0.4	1.6	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	94.0	22.8	277.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	30.0	7.1	64.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-0.4	0.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	30.0	9.5	133.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	0.0	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.8	166.3
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	77.8	2	SCHUREMAN EXCHAN	7.0	152.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	170.2	2	RASMUSSEN EXCHAN	5.1	115.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	66.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 15, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 15	1210.0	0.0	0.0	1210.0	0.00	1210.0	0.0	0.0	0.0	1210.0	0.0	0.0
9	Howell to Chilly		May 15	2.5	15.4	0.0	-1192.1	0.99	17.9	14.0	1.4	0.0	3.9	-1.4	0.0
8	Chilly to Reservoir	*	May 15	761.9	31.1	0.0	790.5	0.00	808.4	29.1	2.0	0.0	765.3	-3.4	0.0
	Connected														
7	Mackay Reservoir	*	May 15	666.4	0.0	0.0	0.0	0.00	808.4	295.0		0.0	470.4	196.0	0.0
6	Reservoir to 2B		May 15	658.0	8.4	0.0	0.0	0.00	808.4	8.2	0.2	0.0	462.1	195.9	0.0
5	2B to Leslie		May 15	434.0	70.0	0.0	-154.0	0.23	808.4	38.3	31.7	0.0	315.6	118.4	0.0
4	Leslie to Moore		May 15	1.4	143.9	0.0	-240.2	0.55	808.4	111.3	32.6	0.0	29.6	-28.2	0.0
2	Moore to blw Munsey		May 15	0.0	56.0	45.1	-26.4	0.53	808.4	14.0	9.6	32.5	0.0	0.0	0.0
1	Blw Munsey to Arco		May 15	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 509.9 77.5 32.5

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 15	0.0	0.0		19590902	3%
9	Howell to Chilly	May 15	0.0	0.0		19590902	3%
8	Chilly to Reservoir	May 15	0.0	0.0		19590902	3%
	Connected						
7	Mackay Reservoir	May 15	0.0	0.0		19590902	3%
6	Reservoir to 2B	May 15	0.0	0.0		19590902	3%
5	2B to Leslie	May 15	108.2	45.8		19590902	3%
4	Leslie to Moore	May 15	174.7	65.5		19590902	3%
2	Moore to blw Munsey	May 15	15.6	10.7		19590902	3%
1	Blw Munsey to Arco	May 15	0.0	0.0		19590902	3%
	TOTAL		298.5	122.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	57.1
2	18810630	1.7	294.0	30.3
3	18880601	3.2	556.5	57.1
4	18960601	6.4	1113.0	114.2
5	19020301	0.8	140.0	14.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	2159.2
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	40283.3

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37150.0	37310.0	160.0	80.7	14.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	2773.3
Total Storage Loss	-1680.9
Total Storage Deliver	-715.4
Total Evaporation	-246.8
Accounting Balance	37310.2
Current Res Content	37310.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

37150.0 Reservoir Content Previous Day [ac-ft]
37310.0 Reservoir Content Current Day [ac-ft]
160.0 Physical Change in Storage [ac-ft]

585.1 Storage Allocated to Mackay Reservoir [ac-ft]

-242.0 Stored Flow Losses [ac-ft]
-45.8 2B to Leslie [cfs]
-65.5 Leslie to Moore [cfs]
-10.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-153.7 Storage Delivered [ac-ft]
3.4 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
31.7 2B to Leslie [cfs]
32.6 Leslie to Moore [cfs]
9.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-29.4 Evaporation [ac-ft]

160.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

761.9 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

761.9 Total Available Natural Flow [cfs]

295.0 Reservoir Rights Diverted [cfs]

298.5 Natural Flow Losses below Reservoir [cfs]
108.2 2B to Leslie [cfs]
174.7 Leslie to Moore [cfs]
15.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

168.4 Natural Flow Delivered [cfs]
-3.4 Above Reservoir Storage Use [cfs]
8.2 Reservoir to 2B [cfs]
38.3 2B to Leslie [cfs]
111.3 Leslie to Moore [cfs]
14.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

761.9 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.3	265
Eastside Felton Wier +	44.5	2225
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	94.9	4744
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	6.0	300
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.4	20
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	60.2	3010
Total Out	68.3	3415

Abbreviated Reach Delivery Factor	0.72

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 72.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 27.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 38.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 79.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 48.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 31.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 69.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 57.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 15, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.4	0.2	4.8
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.6	8.1
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	28.0	111.1
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	20.0	2.1	14.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	8.3	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	8.6	1.6	29.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	4.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	7.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	28.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	0.0	35.9	8	Stoecklein 1	3.6	0.4	2.4	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	101.0	23.8	324.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	31.7	6.3	77.4
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	0.0	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	30.0	9.5	152.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	8.0	1.6	3.2	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	180.2
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	97.2	2	SCHUREMAN EXCHAN	7.0	166.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	185.7	2	RASMUSSEN EXCHAN	5.1	125.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	83.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 16, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 16	1050.0	0.0	0.0	1050.0	0.00	1050.0	0.0	0.0	0.0	1050.0	0.0	0.0
9	Howell to Chilly		May 16	2.5	15.4	0.0	-1032.1	0.98	17.9	14.0	1.4	0.0	3.9	-1.4	0.0
8	Chilly to Reservoir	*	May 16	755.0	31.1	0.0	783.6	0.00	801.5	29.1	2.0	0.0	758.4	-3.4	0.0
	Connected														
7	Mackay Reservoir	*	May 16	737.0	0.0	0.0	0.0	0.00	801.5	213.8		0.0	544.6	192.4	0.0
6	Reservoir to 2B		May 16	726.0	11.0	0.0	0.0	0.00	801.5	10.1	0.9	0.0	534.5	191.5	0.0
5	2B to Leslie		May 16	463.0	84.0	0.0	-179.0	0.25	801.5	51.0	33.0	0.0	351.7	111.3	0.0
4	Leslie to Moore		May 16	0.0	164.4	0.0	-240.8	0.52	801.5	126.4	37.9	0.0	42.4	-42.4	0.0
2	Moore to blw Munsey		May 16	0.0	66.0	45.1	-26.9	0.47	801.5	22.7	8.3	35.1	0.0	0.0	0.0
1	Blw Munsey to Arco		May 16	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	467.1	83.5	35.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 16	0.0	0.0		19590902	2%
9	Howell to Chilly	May 16	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 16	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 16	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 16	0.0	0.0		19590902	2%
5	2B to Leslie	May 16	131.8	47.2		19590902	2%
4	Leslie to Moore	May 16	182.9	57.9		19590902	2%
2	Moore to blw Munsey	May 16	19.7	7.2		19590902	2%
1	Blw Munsey to Arco	May 16	0.0	0.0		19590902	2%
	TOTAL		334.4	112.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	63.5
2	18810630	1.7	294.0	33.7
3	18880601	3.2	556.5	63.5
4	18960601	6.4	1113.0	126.9
5	19020301	0.8	140.0	15.9
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	2552.9
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	40707.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37310.0	37320.0	10.0	5.0	12.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	3197.4
Total Storage Loss	-1903.6
Total Storage Deliver	-881.1
Total Evaporation	-272.5
Accounting Balance	37320.2
Current Res Content	37320.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

37310.0 Reservoir Content Previous Day [ac-ft]
37320.0 Reservoir Content Current Day [ac-ft]
10.0 Physical Change in Storage [ac-ft]

424.0 Storage Allocated to Mackay Reservoir [ac-ft]

-222.7 Stored Flow Losses [ac-ft]
-47.2 2B to Leslie [cfs]
-57.9 Leslie to Moore [cfs]
-7.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-165.6 Storage Delivered [ac-ft]
3.4 Above Reservoir [cfs]
0.9 Reservoir to 2B [cfs]
33.0 2B to Leslie [cfs]
37.9 Leslie to Moore [cfs]
8.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.7 Evaporation [ac-ft]

10.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

755.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

755.0 Total Available Natural Flow [cfs]

213.8 Reservoir Rights Diverted [cfs]

334.4 Natural Flow Losses below Reservoir [cfs]
131.8 2B to Leslie [cfs]
182.9 Leslie to Moore [cfs]
19.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

206.8 Natural Flow Delivered [cfs]
-3.4 Above Reservoir Storage Use [cfs]
10.1 Reservoir to 2B [cfs]
51.0 2B to Leslie [cfs]
126.4 Leslie to Moore [cfs]
22.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

755.0 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.6	330
Eastside Felton Wier +	57.0	2850
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	108.7	5434
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.4	20
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.3	165
Island Wanstrom David +	0.0	0
Eastside OUT	71.6	3580
Total Out	84.5	4225

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.78

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 77.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 47.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 81.2%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 57.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 40.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 72.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 63.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 16, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	11.0	0.9	6.5
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.6	11.3
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	28.0	166.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	34.0	3.4	20.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	8.3	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.8	3.3	36.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	4.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	9.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	31.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	0.0	35.9	8	Stoecklein 1	3.6	0.4	3.2	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	101.0	23.8	371.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	40.8	7.5	92.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-2.0	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	10.3	172.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	8.0	1.6	6.3	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	194.1
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	116.6	2	SCHUREMAN EXCHAN	7.0	180.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	201.1	2	RASMUSSEN EXCHAN	5.1	135.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	100.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 17, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 17	905.0	0.0	0.0	905.0	0.00	905.0	0.0	0.0	0.0	905.0	0.0	0.0
9	Howell to Chilly		May 17	2.5	15.4	0.0	-887.1	0.98	17.9	14.0	1.4	0.0	3.9	-1.4	0.0
8	Chilly to Reservoir	*	May 17	713.9	31.1	0.0	742.6	0.00	760.5	29.1	2.0	0.0	717.4	-3.4	0.0
	Connected														
7	Mackay Reservoir	*	May 17	654.0	0.0	0.0	0.0	0.00	760.5	237.3		0.0	480.1	173.9	0.0
6	Reservoir to 2B		May 17	643.0	11.0	0.0	0.0	0.00	760.5	10.1	0.9	0.0	470.0	173.0	0.0
5	2B to Leslie		May 17	452.0	84.0	0.0	-107.0	0.17	760.5	51.0	33.0	0.0	340.8	111.2	0.0
4	Leslie to Moore		May 17	0.4	162.4	0.0	-220.7	0.49	760.5	123.5	38.8	0.0	50.8	-50.5	0.0
2	Moore to blw Munsey		May 17	0.0	66.0	45.1	-37.4	0.54	760.5	23.2	8.3	34.5	0.0	0.0	0.0
1	Blw Munsey to Arco		May 17	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		488.2	84.4	34.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 17	0.0	0.0		19590902	2%
9	Howell to Chilly	May 17	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 17	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 17	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 17	0.0	0.0		19590902	2%
5	2B to Leslie	May 17	78.2	28.8		19590902	2%
4	Leslie to Moore	May 17	166.4	54.3		19590902	2%
2	Moore to blw Munsey	May 17	27.6	9.8		19590902	2%
1	Blw Munsey to Arco	May 17	0.0	0.0		19590902	2%
	TOTAL		272.2	92.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	69.8
2	18810630	1.7	294.0	37.1
3	18880601	3.2	556.5	69.8
4	18960601	6.4	1113.0	139.6
5	19020301	0.8	140.0	17.5
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	2993.1
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	41178.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37320.0	37420.0	100.0	50.4	9.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	3668.0
Total Storage Loss	-2087.9
Total Storage Deliver	-1048.5
Total Evaporation	-291.3
Accounting Balance	37420.2
Current Res Content	37420.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

37320.0 Reservoir Content Previous Day [ac-ft]
37420.0 Reservoir Content Current Day [ac-ft]
100.0 Physical Change in Storage [ac-ft]

470.6 Storage Allocated to Mackay Reservoir [ac-ft]

-184.3 Stored Flow Losses [ac-ft]
-28.8 2B to Leslie [cfs]
-54.3 Leslie to Moore [cfs]
-9.8 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-167.3 Storage Delivered [ac-ft]
3.4 Above Reservoir [cfs]
0.9 Reservoir to 2B [cfs]
33.0 2B to Leslie [cfs]
38.8 Leslie to Moore [cfs]
8.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-18.9 Evaporation [ac-ft]

100.1 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

713.9 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

713.9 Total Available Natural Flow [cfs]

237.3 Reservoir Rights Diverted [cfs]

272.2 Natural Flow Losses below Reservoir [cfs]
78.2 2B to Leslie [cfs]
166.4 Leslie to Moore [cfs]
27.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

204.4 Natural Flow Delivered [cfs]
-3.4 Above Reservoir Storage Use [cfs]
10.1 Reservoir to 2B [cfs]
51.0 2B to Leslie [cfs]
123.5 Leslie to Moore [cfs]
23.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

713.9 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	7.9	395
Eastside Felton Wier +	68.8	3440
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	121.8	6089
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.4	20
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.3	165
Island Wanstrom David +	0.0	0
Eastside OUT	80.4	4020
Total Out	93.3	4665

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.77	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 76.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 45.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 59.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 87.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 68.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 38.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 77.0%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 66.9%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 17, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	11.0	0.9	8.3
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	0.0	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.6	14.4
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	28.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	34.0	3.4	27.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	0.0
9	NEILSEN	8.3	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.8	3.3	42.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	4.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	0.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	11.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	34.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	0.0	35.9	8	Stoecklein 1	3.6	0.4	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	99.0	23.1	417.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	38.2	6.4	104.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-1.8	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	10.1	193.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.8	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	8.0	1.6	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	208.0
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	136.1	2	SCHUREMAN EXCHAN	7.0	193.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	216.6	2	RASMUSSEN EXCHAN	5.1	145.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	116.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 18, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 18	775.0	1.6	0.0	776.6	0.00	776.6	1.6	0.0	0.0	775.0	0.0	0.0
9	Howell to Chilly		May 18	0.0	26.0	0.0	-749.0	1.00	27.6	23.7	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 18	625.5	33.0	0.0	658.5	0.00	686.1	32.0	1.0	0.0	628.8	-3.3	0.0
	Connected														
7	Mackay Reservoir	*	May 18	611.0	0.0	0.0	0.0	0.00	686.1	169.9		0.0	459.0	152.0	0.0
6	Reservoir to 2B		May 18	600.0	11.0	0.0	0.0	0.00	686.1	10.1	0.9	0.0	448.9	151.1	0.0
5	2B to Leslie		May 18	422.0	85.6	0.0	-92.4	0.15	686.1	78.3	7.3	0.0	301.4	120.6	0.0
4	Leslie to Moore		May 18	0.7	153.9	0.0	-197.9	0.47	686.1	111.1	42.7	0.0	48.9	-48.2	0.0
2	Moore to blw Munsey		May 18	0.0	66.0	45.1	-37.6	0.53	686.1	22.8	9.9	33.3	0.0	0.0	0.0
1	Blw Munsey to Arco		May 18	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	449.5	64.1	33.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 18	0.0	0.0		19590902	2%
9	Howell to Chilly	May 18	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 18	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 18	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 18	0.0	0.0		19590902	2%
5	2B to Leslie	May 18	69.1	23.3		19590902	2%
4	Leslie to Moore	May 18	141.3	56.5		19590902	2%
2	Moore to blw Munsey	May 18	26.2	11.4		19590902	2%
1	Blw Munsey to Arco	May 18	0.0	0.0		19590902	2%
	TOTAL		236.6	91.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	76.2
2	18810630	1.7	294.0	40.5
3	18880601	3.2	556.5	76.2
4	18960601	6.4	1113.0	152.3
5	19020301	0.8	140.0	19.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	3299.7
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	41514.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37420.0	37420.0	0.0	0.0	14.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	4004.9
Total Storage Loss	-2268.8
Total Storage Deliver	-1175.6
Total Evaporation	-320.1
Accounting Balance	37420.4
Current Res Content	37420.0
Storage Balance Error	0.4

DAILY STORAGE BALANCE

37420.0 Reservoir Content Previous Day [ac-ft]
37420.0 Reservoir Content Current Day [ac-ft]
0.0 Physical Change in Storage [ac-ft]

336.9 Storage Allocated to Mackay Reservoir [ac-ft]

-180.9 Stored Flow Losses [ac-ft]
-23.3 2B to Leslie [cfs]
-56.5 Leslie to Moore [cfs]
-11.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-127.2 Storage Delivered [ac-ft]
3.3 Above Reservoir [cfs]
0.9 Reservoir to 2B [cfs]
7.3 2B to Leslie [cfs]
42.7 Leslie to Moore [cfs]
9.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.7 Evaporation [ac-ft]

0.1 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

625.5 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

625.5 Total Available Natural Flow [cfs]

169.9 Reservoir Rights Diverted [cfs]

236.6 Natural Flow Losses below Reservoir [cfs]
69.1 2B to Leslie [cfs]
141.3 Leslie to Moore [cfs]
26.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

219.0 Natural Flow Delivered [cfs]
-3.3 Above Reservoir Storage Use [cfs]
10.1 Reservoir to 2B [cfs]
78.3 2B to Leslie [cfs]
111.1 Leslie to Moore [cfs]
22.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

625.5 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.2	360
Eastside Felton Wier +	71.3	3565
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	123.6	6179
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.3	165
Island Wanstrom David +	0.0	0
Eastside OUT	78.8	3940
Total Out	91.3	4565

Abbreviated Reach Delivery Factor	0.74

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs	
	Weirs + Groundwater Injection	= 73.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 45.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out	
	Abbreviated Reach Delivery Factor	= 61.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs	
	Eastside In	= 88.6%
Step 6 - River at Eastside In		
	River at Weirs	
	Upper Reach Delivery Factor	= 69.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 37.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs	
	Canal at Eastside	= 76.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out	
	River at Eastside In	= 65.4%

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RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	11.0	0.9	10.1
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	17.4
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	30.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	2.2	31.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	7.1
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	17.0	3.2	49.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	7.6	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	2.0	2.0	4.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	12.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	38.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	1.0	38.0	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	89.5	26.5	469.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	37.4	5.4	115.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-1.2	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	11.1	215.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	221.8
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	155.5	2	SCHUREMAN EXCHAN	7.0	207.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	232.1	2	RASMUSSEN EXCHAN	5.1	155.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	133.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 19, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 19	680.0	1.6	0.0	681.6	0.00	681.6	1.6	0.0	0.0	680.0	0.0	0.0
9	Howell to Chilly		May 19	0.0	26.0	0.0	-654.0	1.00	27.6	23.7	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 19	574.1	33.0	0.0	607.1	0.00	634.7	32.0	1.0	0.0	577.4	-3.3	0.0
	Connected														
7	Mackay Reservoir	*	May 19	589.0	0.0	0.0	0.0	0.00	634.7	134.9		0.0	442.5	146.5	0.0
6	Reservoir to 2B		May 19	578.0	11.0	0.0	0.0	0.00	634.7	10.1	0.9	0.0	432.4	145.6	0.0
5	2B to Leslie		May 19	406.0	85.6	0.0	-86.4	0.15	634.7	78.3	7.3	0.0	289.4	116.6	0.0
4	Leslie to Moore		May 19	0.0	154.3	0.0	-191.5	0.47	634.7	111.7	42.5	0.0	41.2	-41.2	0.0
2	Moore to blw Munsey		May 19	0.0	66.0	45.1	-26.6	0.44	634.7	23.0	10.6	32.4	0.0	0.0	0.0
1	Blw Munsey to Arco		May 19	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	415.4	64.6	32.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 19	0.0	0.0		19590902	1%
9	Howell to Chilly	May 19	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 19	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 19	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 19	0.0	0.0		19590902	1%
5	2B to Leslie	May 19	64.6	21.8		19590902	1%
4	Leslie to Moore	May 19	136.5	55.0		19590902	1%
2	Moore to blw Munsey	May 19	18.2	8.4		19590902	1%
1	Blw Munsey to Arco	May 19	0.0	0.0		19590902	1%
	TOTAL		219.3	85.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	82.5
2	18810630	1.7	294.0	43.8
3	18880601	3.2	556.5	82.5
4	18960601	6.4	1113.0	165.0
5	19020301	0.8	140.0	20.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	3537.0
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	41782.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37420.0	37370.0	-50.0	-25.2	10.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	4272.5
Total Storage Loss	-2437.8
Total Storage Deliver	-1303.8
Total Evaporation	-340.5
Accounting Balance	37370.4
Current Res Content	37370.0
Storage Balance Error	0.4

DAILY STORAGE BALANCE

37420.0 Reservoir Content Previous Day [ac-ft]
37370.0 Reservoir Content Current Day [ac-ft]
-50.0 Physical Change in Storage [ac-ft]

267.7 Storage Allocated to Mackay Reservoir [ac-ft]

-169.0 Stored Flow Losses [ac-ft]
-21.8 2B to Leslie [cfs]
-55.0 Leslie to Moore [cfs]
-8.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-128.2 Storage Delivered [ac-ft]
3.3 Above Reservoir [cfs]
0.9 Reservoir to 2B [cfs]
7.3 2B to Leslie [cfs]
42.5 Leslie to Moore [cfs]
10.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-20.4 Evaporation [ac-ft]

-49.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

574.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

574.1 Total Available Natural Flow [cfs]

134.9 Reservoir Rights Diverted [cfs]

219.3 Natural Flow Losses below Reservoir [cfs]
64.6 2B to Leslie [cfs]
136.5 Leslie to Moore [cfs]
18.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

219.8 Natural Flow Delivered [cfs]
-3.3 Above Reservoir Storage Use [cfs]
10.1 Reservoir to 2B [cfs]
78.3 2B to Leslie [cfs]
111.7 Leslie to Moore [cfs]
23.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

574.0 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.5	275
Eastside Felton Wier +	62.8	3140
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	113.4	5669
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.3	165
Island Wanstrom David +	0.0	0
Eastside OUT	68.9	3445
Total Out	81.4	4070

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.72

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 71.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 50.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 84.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 60.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 39.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 72.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 60.6%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	11.0	0.9	11.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	20.4
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	30.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	2.2	36.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	14.3
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	17.0	3.2	55.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	7.6	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	2.0	2.0	7.9
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	14.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	41.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	1.0	40.0	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	89.9	27.7	524.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	39.7	6.3	128.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-0.8	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	11.4	237.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	0.0	2	QUIST EXCHANGE P	7.0	235.7
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	174.9	2	SCHUREMAN EXCHAN	7.0	221.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	247.5	2	RASMUSSEN EXCHAN	5.1	165.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	150.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 20, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 20	626.0	1.6	0.0	627.6	0.00	627.6	1.6	0.0	0.0	626.0	0.0	0.0
9	Howell to Chilly		May 20	0.0	26.0	0.0	-600.0	1.00	27.6	23.7	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 20	543.2	33.0	0.0	576.2	0.00	603.8	32.0	1.0	0.0	546.5	-3.3	0.0
	Connected														
7	Mackay Reservoir	*	May 20	548.0	0.0	0.0	0.0	0.00	603.8	119.7		0.0	426.8	121.2	0.0
6	Reservoir to 2B		May 20	537.0	11.0	0.0	0.0	0.00	603.8	10.1	0.9	0.0	416.7	120.3	0.0
5	2B to Leslie		May 20	376.0	93.6	0.0	-67.4	0.13	603.8	83.6	10.0	0.0	280.8	95.2	0.0
4	Leslie to Moore		May 20	0.1	146.5	0.0	-176.7	0.47	603.8	110.9	35.6	0.0	37.9	-37.9	0.0
2	Moore to blw Munsey		May 20	0.0	66.0	46.4	-20.2	0.38	603.8	23.4	9.2	33.5	0.0	0.0	0.0
1	Blw Munsey to Arco		May 20	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		405.0	59.0	33.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 20	0.0	0.0		19590902	1%
9	Howell to Chilly	May 20	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 20	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 20	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 20	0.0	0.0		19590902	1%
5	2B to Leslie	May 20	52.3	15.1		19590902	1%
4	Leslie to Moore	May 20	131.9	44.8		19590902	1%
2	Moore to blw Munsey	May 20	14.6	5.7		19590902	1%
1	Blw Munsey to Arco	May 20	0.0	0.0		19590902	1%
	TOTAL		198.8	65.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	88.9
2	18810630	1.7	294.0	47.2
3	18880601	3.2	556.5	88.9
4	18960601	6.4	1113.0	177.7
5	19020301	0.8	140.0	22.2
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	3744.1
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	42020.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37370.0	37340.0	-30.0	-15.1	10.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	4510.0
Total Storage Loss	-2567.9
Total Storage Deliver	-1420.8
Total Evaporation	-360.9
Accounting Balance	37340.4
Current Res Content	37340.0
Storage Balance Error	0.4

DAILY STORAGE BALANCE

37370.0 Reservoir Content Previous Day [ac-ft]
37340.0 Reservoir Content Current Day [ac-ft]
-30.0 Physical Change in Storage [ac-ft]

237.5 Storage Allocated to Mackay Reservoir [ac-ft]

-130.1 Stored Flow Losses [ac-ft]
-15.1 2B to Leslie [cfs]
-44.8 Leslie to Moore [cfs]
-5.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-116.9 Storage Delivered [ac-ft]
3.3 Above Reservoir [cfs]
0.9 Reservoir to 2B [cfs]
10.0 2B to Leslie [cfs]
35.6 Leslie to Moore [cfs]
9.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-20.4 Evaporation [ac-ft]

-29.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

543.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

543.2 Total Available Natural Flow [cfs]

119.7 Reservoir Rights Diverted [cfs]

198.8 Natural Flow Losses below Reservoir [cfs]
52.3 2B to Leslie [cfs]
131.9 Leslie to Moore [cfs]
14.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

224.7 Natural Flow Delivered [cfs]
-3.3 Above Reservoir Storage Use [cfs]
10.1 Reservoir to 2B [cfs]
83.6 2B to Leslie [cfs]
110.9 Leslie to Moore [cfs]
23.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

543.2 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.7	285
Eastside Felton Wier +	56.1	2805
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	1.3	67
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	108.2	5411
Groundwater to Arco	20.5	1025
Groundwater to Munsey	25.9	1296

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.3	165
Island Wanstrom David +	0.0	0
Eastside OUT	65.5	3275
Total Out	78.0	3900

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.72

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 72.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 32.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 44.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 84.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 52.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 42.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 72.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 60.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 20, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	11.0	0.9	13.7
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	23.3
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	30.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	38.0	4.9	46.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	21.4
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	17.0	3.2	61.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	7.6	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	2.1	2.1	12.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	15.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	44.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	1.0	42.1	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	80.0	21.3	567.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	42.2	6.2	140.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-0.8	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	11.0	259.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	1.3	2.7	2	QUIST EXCHANGE P	7.0	249.6
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	194.4	2	SCHUREMAN EXCHAN	7.0	235.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	263.0	2	RASMUSSEN EXCHAN	5.1	175.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	166.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 21, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 21	609.0	1.6	0.0	610.6	0.00	610.6	1.6	0.0	0.0	609.0	0.0	0.0
9	Howell to Chilly		May 21	0.0	26.0	0.0	-583.0	1.00	27.6	23.7	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 21	480.8	33.0	0.0	513.8	0.00	541.4	32.0	1.0	0.0	484.1	-3.3	0.0
	Connected														
7	Mackay Reservoir	*	May 21	526.0	0.0	0.0	0.0	0.00	541.4	81.0		0.0	403.2	122.8	0.0
6	Reservoir to 2B		May 21	517.0	9.0	0.0	0.0	0.00	541.4	8.9	0.1	0.0	394.3	122.7	0.0
5	2B to Leslie		May 21	357.0	84.6	0.0	-75.4	0.15	541.4	77.0	7.6	0.0	259.8	97.2	0.0
4	Leslie to Moore		May 21	0.0	131.2	0.0	-174.2	0.49	541.4	99.0	32.2	0.0	34.0	-34.0	0.0
2	Moore to blw Munsey		May 21	0.0	59.0	46.6	-25.6	0.50	541.4	17.2	8.9	33.0	0.0	0.0	0.0
1	Blw Munsey to Arco		May 21	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	340.3	52.1	33.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 21	0.0	0.0		19590902	1%
9	Howell to Chilly	May 21	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 21	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 21	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 21	0.0	0.0		19590902	1%
5	2B to Leslie	May 21	57.5	17.9		19590902	1%
4	Leslie to Moore	May 21	126.7	47.4		19590902	1%
2	Moore to blw Munsey	May 21	16.9	8.8		19590902	1%
1	Blw Munsey to Arco	May 21	0.0	0.0		19590902	1%
	TOTAL		201.1	74.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	95.2
2	18810630	1.7	294.0	50.6
3	18880601	3.2	556.5	95.2
4	18960601	6.4	1113.0	190.4
5	19020301	0.8	140.0	23.8
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	3874.4
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	42180.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37340.0	37230.0	-110.0	-55.5	10.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	4670.6
Total Storage Loss	-2714.9
Total Storage Deliver	-1524.1
Total Evaporation	-381.3
Accounting Balance	37230.3
Current Res Content	37230.0
Storage Balance Error	0.3

DAILY STORAGE BALANCE

37340.0 Reservoir Content Previous Day [ac-ft]
37230.0 Reservoir Content Current Day [ac-ft]
-110.0 Physical Change in Storage [ac-ft]

160.6 Storage Allocated to Mackay Reservoir [ac-ft]

-147.0 Stored Flow Losses [ac-ft]
-17.9 2B to Leslie [cfs]
-47.4 Leslie to Moore [cfs]
-8.8 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-103.3 Storage Delivered [ac-ft]
3.3 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
7.6 2B to Leslie [cfs]
32.2 Leslie to Moore [cfs]
8.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-20.4 Evaporation [ac-ft]

-110.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

480.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

480.8 Total Available Natural Flow [cfs]

81.0 Reservoir Rights Diverted [cfs]

201.1 Natural Flow Losses below Reservoir [cfs]
57.5 2B to Leslie [cfs]
126.7 Leslie to Moore [cfs]
16.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

198.8 Natural Flow Delivered [cfs]
-3.3 Above Reservoir Storage Use [cfs]
8.9 Reservoir to 2B [cfs]
77.0 2B to Leslie [cfs]
99.0 Leslie to Moore [cfs]
17.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

480.9 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.1	255
Eastside Felton Wier +	47.6	2380
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	1.3	67
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	99.3	4967
Groundwater to Arco	20.7	1036
Groundwater to Munsey	25.9	1296

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	61.0	3050
Total Out	70.2	3510

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.71

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 70.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 28.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 39.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 76.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 51.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 33.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 65.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 54.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 21, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	9.0	0.1	13.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	26.3
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	31.0	2.5	50.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	28.6
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	14.0	3.1	67.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	7.6	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	1.7	1.7	15.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	17.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	47.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	1.0	44.1	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	80.4	23.0	612.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	33.2	4.3	148.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	25.0	-2.8	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	34.0	12.6	284.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	1.3	5.3	2	QUIST EXCHANGE P	7.0	263.5
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	213.8	2	SCHUREMAN EXCHAN	7.0	249.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	278.5	2	RASMUSSEN EXCHAN	5.3	186.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	183.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 22, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 22	605.0	1.6	0.0	606.6	0.00	606.6	1.6	0.0	0.0	605.0	0.0	0.0
9	Howell to Chilly		May 22	0.0	26.0	0.0	-579.0	1.00	27.6	23.7	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 22	481.6	33.0	0.0	514.6	0.00	542.2	32.0	1.0	0.0	484.9	-3.3	0.0
	Connected														
7	Mackay Reservoir	*	May 22	490.0	0.0	0.0	0.0	0.00	542.2	108.1		0.0	376.8	113.2	0.0
6	Reservoir to 2B		May 22	481.0	9.0	0.0	0.0	0.00	542.2	8.9	0.1	0.0	368.0	113.0	0.0
5	2B to Leslie		May 22	344.0	86.6	0.0	-50.4	0.10	542.2	77.8	8.8	0.0	251.6	92.4	0.0
4	Leslie to Moore		May 22	0.0	127.2	0.0	-166.4	0.48	542.2	95.8	31.4	0.0	34.2	-34.2	0.0
2	Moore to blw Munsey		May 22	0.0	59.0	46.6	-25.2	0.50	542.2	17.2	8.2	33.7	0.0	0.0	0.0
1	Blw Munsey to Arco		May 22	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	365.0	51.8	33.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 22	0.0	0.0		19590902	1%
9	Howell to Chilly	May 22	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 22	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 22	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 22	0.0	0.0		19590902	1%
5	2B to Leslie	May 22	38.6	11.8		19590902	1%
4	Leslie to Moore	May 22	121.7	44.7		19590902	1%
2	Moore to blw Munsey	May 22	17.0	8.1		19590902	1%
1	Blw Munsey to Arco	May 22	0.0	0.0		19590902	1%
	TOTAL		177.3	64.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	101.6
2	18810630	1.7	294.0	54.0
3	18880601	3.2	556.5	101.6
4	18960601	6.4	1113.0	203.1
5	19020301	0.8	140.0	25.4
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	4058.4
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	42395.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37230.0	37190.0	-40.0	-20.2	11.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	4885.0
Total Storage Loss	-2843.0
Total Storage Deliver	-1626.9
Total Evaporation	-404.7
Accounting Balance	37190.4
Current Res Content	37190.0
Storage Balance Error	0.4

DAILY STORAGE BALANCE

37230.0 Reservoir Content Previous Day [ac-ft]
37190.0 Reservoir Content Current Day [ac-ft]
-40.0 Physical Change in Storage [ac-ft]

214.4 Storage Allocated to Mackay Reservoir [ac-ft]

-128.1 Stored Flow Losses [ac-ft]
-11.8 2B to Leslie [cfs]
-44.7 Leslie to Moore [cfs]
-8.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-102.7 Storage Delivered [ac-ft]
3.3 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
8.8 2B to Leslie [cfs]
31.4 Leslie to Moore [cfs]
8.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-23.4 Evaporation [ac-ft]

-39.8 Accounting Change in Storage [ac-ft]

0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

481.6 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

481.6 Total Available Natural Flow [cfs]

108.1 Reservoir Rights Diverted [cfs]

177.3 Natural Flow Losses below Reservoir [cfs]
38.6 2B to Leslie [cfs]
121.7 Leslie to Moore [cfs]
17.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

196.4 Natural Flow Delivered [cfs]
-3.3 Above Reservoir Storage Use [cfs]
8.9 Reservoir to 2B [cfs]
77.8 2B to Leslie [cfs]
95.8 Leslie to Moore [cfs]
17.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

481.8 Natural Flow Delivered & Lost [cfs]

-0.2 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.7	235
Eastside Felton Wier +	46.2	2310
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	1.3	67
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.3	266
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	97.5	4877
Groundwater to Arco	20.7	1036
Groundwater to Munsey	25.9	1296

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	61.2	3060
Total Out	70.4	3520

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.72

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 72.2%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.7 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 27.5 cfs
Step 4 - River at Weirs	River at Eastside Out Abbreviated Reach Delivery Factor	= 38.2 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs Eastside In	= 75.6%
Step 6 - River at Eastside In	River at Weirs Upper Reach Delivery Factor	= 50.5 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 33.4 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 65.0%
Step 9 - Eastside River Delivery Factor	River at Eastside Out River at Eastside In	= 54.5%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	9.0	0.1	14.2
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	2.7	31.7
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	31.0	2.5	55.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	35.7
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	1.7	71.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	7.6	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	1.7	1.7	18.6
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	19.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	50.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	1.0	46.2	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	80.4	23.9	660.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	33.4	4.2	157.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	25.0	-3.1	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	34.0	12.3	308.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	1.3	8.0	2	QUIST EXCHANGE P	7.0	277.4
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	233.3	2	SCHUREMAN EXCHAN	7.0	263.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	294.0	2	RASMUSSEN EXCHAN	5.3	197.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	199.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 23, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 23	615.0	0.0	0.0	615.0	0.00	615.0	0.0	0.0	0.0	615.0	0.0	0.0
9	Howell to Chilly		May 23	0.0	16.4	0.0	-598.6	1.00	16.4	14.1	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 23	463.8	25.9	0.0	489.7	0.00	506.0	25.9	0.0	0.0	466.0	-2.3	0.0
	Connected														
7	Mackay Reservoir	*	May 23	471.0	0.0	0.0	0.0	0.00	506.0	101.1		0.0	365.0	106.0	0.0
6	Reservoir to 2B		May 23	462.0	9.0	0.0	0.0	0.00	506.0	8.9	0.1	0.0	356.1	105.9	0.0
5	2B to Leslie		May 23	316.0	86.6	0.0	-59.4	0.13	506.0	78.7	7.9	0.0	231.6	84.4	0.0
4	Leslie to Moore		May 23	0.0	119.9	0.0	-159.0	0.50	506.0	89.6	30.3	0.0	25.5	-25.5	0.0
2	Moore to blw Munsey		May 23	0.0	66.0	45.1	-4.2	0.11	506.0	22.6	10.3	33.0	0.0	0.0	0.0
1	Blw Munsey to Arco		May 23	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	340.9	50.9	33.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 23	0.0	0.0		19590902	1%
9	Howell to Chilly	May 23	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 23	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 23	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 23	0.0	0.0		19590902	1%
5	2B to Leslie	May 23	45.8	13.6		19590902	1%
4	Leslie to Moore	May 23	116.5	42.5		19590902	1%
2	Moore to blw Munsey	May 23	2.9	1.3		19590902	1%
1	Blw Munsey to Arco	May 23	0.0	0.0		19590902	1%
	TOTAL		165.2	57.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	107.9
2	18810630	1.7	294.0	57.3
3	18880601	3.2	556.5	107.9
4	18960601	6.4	1113.0	215.8
5	19020301	0.8	140.0	27.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	4228.6
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	42595.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37190.0	37150.0	-40.0	-20.2	12.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	5085.5
Total Storage Loss	-2956.9
Total Storage Deliver	-1727.8
Total Evaporation	-430.3
Accounting Balance	37150.5
Current Res Content	37150.0
Storage Balance Error	0.5

DAILY STORAGE BALANCE

37190.0 Reservoir Content Previous Day [ac-ft]
37150.0 Reservoir Content Current Day [ac-ft]
-40.0 Physical Change in Storage [ac-ft]

200.5 Storage Allocated to Mackay Reservoir [ac-ft]

-113.9 Stored Flow Losses [ac-ft]
-13.6 2B to Leslie [cfs]
-42.5 Leslie to Moore [cfs]
-1.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-101.0 Storage Delivered [ac-ft]
2.3 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
7.9 2B to Leslie [cfs]
30.3 Leslie to Moore [cfs]
10.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.6 Evaporation [ac-ft]

-40.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

463.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

463.8 Total Available Natural Flow [cfs]

101.1 Reservoir Rights Diverted [cfs]

165.2 Natural Flow Losses below Reservoir [cfs]
45.8 2B to Leslie [cfs]
116.5 Leslie to Moore [cfs]
2.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

197.5 Natural Flow Delivered [cfs]
-2.3 Above Reservoir Storage Use [cfs]
8.9 Reservoir to 2B [cfs]
78.7 2B to Leslie [cfs]
89.6 Leslie to Moore [cfs]
22.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

463.8 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.0	200
Eastside Felton Wier +	36.9	1845
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	86.0	4299
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	53.8	2690
Total Out	63.0	3150

Abbreviated Reach Delivery Factor	0.73
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 73.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 20.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 28.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 76.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 37.1 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 36.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 67.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 55.9%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	9.0	0.1	14.5
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.8	35.3
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	31.0	2.5	60.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	42.8
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	1.7	74.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	18.6
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	20.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	54.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	46.2	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	71.8	23.2	706.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	36.8	5.8	168.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-1.4	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	11.8	332.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	291.3
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	252.7	2	SCHUREMAN EXCHAN	7.0	276.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	309.4	2	RASMUSSEN EXCHAN	5.1	207.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	216.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 24, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 24	713.0	0.0	0.0	713.0	0.00	713.0	0.0	0.0	0.0	713.0	0.0	0.0
9	Howell to Chilly		May 24	0.0	16.4	0.0	-696.6	1.00	16.4	14.1	2.3	0.0	2.3	-2.3	0.0
8	Chilly to Reservoir	*	May 24	480.4	25.9	0.0	506.3	0.00	522.7	25.9	0.0	0.0	482.7	-2.3	0.0
	Connected														
7	Mackay Reservoir	*	May 24	471.0	0.0	0.0	0.0	0.00	522.7	118.5		0.0	364.2	106.8	0.0
6	Reservoir to 2B		May 24	462.0	9.0	0.0	0.0	0.00	522.7	8.9	0.1	0.0	355.3	106.7	0.0
5	2B to Leslie		May 24	314.0	86.6	0.0	-61.4	0.13	522.7	78.7	7.9	0.0	229.4	84.6	0.0
4	Leslie to Moore		May 24	0.0	118.3	0.0	-163.5	0.52	522.7	89.0	29.3	0.0	20.9	-20.9	0.0
2	Moore to blw Munsey		May 24	0.0	66.0	45.1	1.6	0.00	524.3	22.5	11.3	32.2	0.0	0.0	0.0
1	Blw Munsey to Arco		May 24	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	357.7	50.9	32.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 24	0.0	0.0		19590902	1%
9	Howell to Chilly	May 24	0.0	0.0		19590902	1%
8	Chilly to Reservoir	May 24	0.0	0.0		19590902	1%
	Connected						
7	Mackay Reservoir	May 24	0.0	0.0		19590902	1%
6	Reservoir to 2B	May 24	0.0	0.0		19590902	1%
5	2B to Leslie	May 24	47.2	14.2		19590902	1%
4	Leslie to Moore	May 24	119.4	44.1		19590902	1%
2	Moore to blw Munsey	May 24	0.0	0.0		19590902	1%
1	Blw Munsey to Arco	May 24	0.0	0.0		19590902	1%
	TOTAL		166.6	58.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	114.2
2	18810630	1.7	294.0	60.7
3	18880601	3.2	556.5	114.2
4	18960601	6.4	1113.0	228.5
5	19020301	0.8	140.0	28.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	4433.3
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	42830.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37150.0	37140.0	-10.0	-5.0	14.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	5320.6
Total Storage Loss	-3072.5
Total Storage Deliver	-1828.8
Total Evaporation	-458.9
Accounting Balance	37140.4
Current Res Content	37140.0
Storage Balance Error	0.4

DAILY STORAGE BALANCE

37150.0 Reservoir Content Previous Day [ac-ft]
37140.0 Reservoir Content Current Day [ac-ft]
-10.0 Physical Change in Storage [ac-ft]

235.1 Storage Allocated to Mackay Reservoir [ac-ft]

-115.6 Stored Flow Losses [ac-ft]
-14.2 2B to Leslie [cfs]
-44.1 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-101.0 Storage Delivered [ac-ft]
2.3 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
7.9 2B to Leslie [cfs]
29.3 Leslie to Moore [cfs]
11.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.6 Evaporation [ac-ft]

-10.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

480.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
1.6 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

482.0 Total Available Natural Flow [cfs]

118.5 Reservoir Rights Diverted [cfs]

166.6 Natural Flow Losses below Reservoir [cfs]
47.2 2B to Leslie [cfs]
119.4 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

196.8 Natural Flow Delivered [cfs]
-2.3 Above Reservoir Storage Use [cfs]
8.9 Reservoir to 2B [cfs]
78.7 2B to Leslie [cfs]
89.0 Leslie to Moore [cfs]
22.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

481.9 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.5	225
Eastside Felton Wier +	32.4	1620
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	82.0	4099
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	49.3	2465
Total Out	58.5	2925

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.71

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 71.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 17.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 24.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 74.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 32.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 38.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 64.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 53.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 24, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	9.0	0.1	14.8
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.8	38.8
9	BITTON	0.0	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	31.0	2.5	65.7
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	50.0
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	1.7	78.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	18.6
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	22.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	57.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	46.2	8	Stoecklein 1	1.6	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	70.2	22.6	751.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	38.1	6.7	182.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-0.1	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	12.3	356.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	8.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.2	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	305.1
5	L SMITH EXCHANGE	0.0	0.0	2	ISOM 1 EXCHANGE	9.8	272.1	2	SCHUREMAN EXCHAN	7.0	290.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	324.9	2	RASMUSSEN EXCHAN	5.1	217.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	233.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 25, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 25	880.0	1.6	0.0	881.6	0.00	881.6	1.6	0.0	0.0	880.0	0.0	0.0
9	Howell to Chilly		May 25	2.0	27.6	0.0	-850.4	0.97	31.2	25.3	2.3	0.0	4.3	-2.3	0.0
8	Chilly to Reservoir	*	May 25	535.5	36.7	0.0	570.2	0.00	601.4	30.2	6.5	0.0	544.3	-8.8	0.0
	Connected														
7	Mackay Reservoir	*	May 25	478.0	0.0	0.0	0.0	0.00	601.4	179.5		0.0	364.8	113.2	0.0
6	Reservoir to 2B		May 25	469.0	9.0	0.0	0.0	0.00	601.4	8.9	0.1	0.0	355.9	113.1	0.0
5	2B to Leslie		May 25	315.0	86.6	0.0	-67.4	0.14	601.4	78.7	7.9	0.0	226.1	88.9	0.0
4	Leslie to Moore		May 25	0.0	120.4	0.0	-158.6	0.50	601.4	89.4	31.0	0.0	22.9	-22.9	0.0
2	Moore to blw Munsey		May 25	0.0	69.0	45.1	-0.7	0.02	601.4	22.4	12.9	33.7	0.0	0.0	0.0
1	Blw Munsey to Arco		May 25	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	435.9	60.7	33.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 25	0.0	0.0		19590902	2%
9	Howell to Chilly	May 25	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 25	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 25	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 25	0.0	0.0		19590902	2%
5	2B to Leslie	May 25	51.2	16.2		19590902	2%
4	Leslie to Moore	May 25	113.8	44.8		19590902	2%
2	Moore to blw Munsey	May 25	0.5	0.3		19590902	2%
1	Blw Munsey to Arco	May 25	0.0	0.0		19590902	2%
	TOTAL		165.5	61.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	120.6
2	18810630	1.7	294.0	64.1
3	18880601	3.2	556.5	120.6
4	18960601	6.4	1113.0	241.2
5	19020301	0.8	140.0	30.1
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	4759.1
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	43186.7

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37140.0	37230.0	90.0	45.4	12.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	5676.7
Total Storage Loss	-3194.1
Total Storage Deliver	-1949.2
Total Evaporation	-483.0
Accounting Balance	37230.3
Current Res Content	37230.0
Storage Balance Error	0.3

DAILY STORAGE BALANCE

37140.0 Reservoir Content Previous Day [ac-ft]
37230.0 Reservoir Content Current Day [ac-ft]
90.0 Physical Change in Storage [ac-ft]

356.1 Storage Allocated to Mackay Reservoir [ac-ft]

-121.6 Stored Flow Losses [ac-ft]
-16.2 2B to Leslie [cfs]
-44.8 Leslie to Moore [cfs]
-0.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-120.4 Storage Delivered [ac-ft]
8.8 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
7.9 2B to Leslie [cfs]
31.0 Leslie to Moore [cfs]
12.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-24.1 Evaporation [ac-ft]

90.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

535.5 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

535.5 Total Available Natural Flow [cfs]

179.5 Reservoir Rights Diverted [cfs]

165.5 Natural Flow Losses below Reservoir [cfs]
51.2 2B to Leslie [cfs]
113.8 Leslie to Moore [cfs]
0.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

190.6 Natural Flow Delivered [cfs]
-8.8 Above Reservoir Storage Use [cfs]
8.9 Reservoir to 2B [cfs]
78.7 2B to Leslie [cfs]
89.4 Leslie to Moore [cfs]
22.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

535.6 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.0	250
Eastside Felton Wier +	36.7	1835
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	86.8	4339
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	55.1	2755
Total Out	64.9	3245

Abbreviated Reach Delivery Factor	0.75

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 74.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 21.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 28.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 79.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 36.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 36.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 70.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 59.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 25, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	9.0	0.1	15.0
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.8	42.4
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	31.0	2.5	70.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	57.1
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	1.7	81.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	8.8	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	18.6
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	23.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	60.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	59.0	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	71.1	23.0	796.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	36.0	5.7	193.4
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-1.7	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	14.6	385.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	319.0
5	L SMITH EXCHANGE	4.0	7.9	2	ISOM 1 EXCHANGE	9.8	291.6	2	SCHUREMAN EXCHAN	7.0	304.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	340.4	2	RASMUSSEN EXCHAN	5.1	227.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	249.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 26, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 26	1070.0	1.6	0.0	1071.6	0.00	1071.6	1.6	0.0	0.0	1070.0	0.0	0.0
9	Howell to Chilly		May 26	2.0	27.6	0.0	-1040.4	0.97	31.2	25.3	2.3	0.0	4.3	-2.3	0.0
8	Chilly to Reservoir	*	May 26	658.4	36.7	0.0	693.1	0.00	724.3	30.2	6.5	0.0	667.2	-8.8	0.0
	Connected														
7	Mackay Reservoir	*	May 26	569.0	0.0	0.0	0.0	0.00	724.3	228.5		0.0	438.7	130.3	0.0
6	Reservoir to 2B		May 26	560.0	9.0	0.0	0.0	0.00	724.3	7.2	1.8	0.0	431.5	128.5	0.0
5	2B to Leslie		May 26	354.0	84.6	0.0	-121.4	0.22	724.3	76.6	8.0	0.0	261.4	92.6	0.0
4	Leslie to Moore		May 26	0.0	142.2	0.0	-168.0	0.47	724.3	110.8	31.4	0.0	26.6	-26.6	0.0
2	Moore to blw Munsey		May 26	0.0	69.0	45.1	-7.8	0.18	724.3	21.9	14.2	32.9	0.0	0.0	0.0
1	Blw Munsey to Arco		May 26	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	502.0	64.2	32.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 26	0.0	0.0		19590902	2%
9	Howell to Chilly	May 26	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 26	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 26	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 26	0.0	0.0		19590902	2%
5	2B to Leslie	May 26	93.5	27.9		19590902	2%
4	Leslie to Moore	May 26	124.0	43.9		19590902	2%
2	Moore to blw Munsey	May 26	4.7	3.1		19590902	2%
1	Blw Munsey to Arco	May 26	0.0	0.0		19590902	2%
	TOTAL		222.2	74.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	126.9
2	18810630	1.7	294.0	67.4
3	18880601	3.2	556.5	126.9
4	18960601	6.4	1113.0	253.9
5	19020301	0.8	140.0	31.7
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	5182.0
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	43639.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37230.0	37390.0	160.0	80.7	8.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	6129.9
Total Storage Loss	-3342.7
Total Storage Deliver	-2076.5
Total Evaporation	-500.4
Accounting Balance	37390.4
Current Res Content	37390.0
Storage Balance Error	0.4

DAILY STORAGE BALANCE

37230.0 Reservoir Content Previous Day [ac-ft]
37390.0 Reservoir Content Current Day [ac-ft]
160.0 Physical Change in Storage [ac-ft]

453.3 Storage Allocated to Mackay Reservoir [ac-ft]

-148.6 Stored Flow Losses [ac-ft]
-27.9 2B to Leslie [cfs]
-43.9 Leslie to Moore [cfs]
-3.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-127.4 Storage Delivered [ac-ft]
8.8 Above Reservoir [cfs]
1.8 Reservoir to 2B [cfs]
8.0 2B to Leslie [cfs]
31.4 Leslie to Moore [cfs]
14.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-17.3 Evaporation [ac-ft]

160.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

658.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

658.4 Total Available Natural Flow [cfs]

228.5 Reservoir Rights Diverted [cfs]

222.2 Natural Flow Losses below Reservoir [cfs]
93.5 2B to Leslie [cfs]
124.0 Leslie to Moore [cfs]
4.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

207.7 Natural Flow Delivered [cfs]
-8.8 Above Reservoir Storage Use [cfs]
7.2 Reservoir to 2B [cfs]
76.6 2B to Leslie [cfs]
110.8 Leslie to Moore [cfs]
21.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

658.4 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.9	295
Eastside Felton Wier +	41.2	2060
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	92.2	4609
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	57.5	2875
Total Out	67.3	3365

Abbreviated Reach Delivery Factor	0.73

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 73.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 24.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 33.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 76.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 43.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 38.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 67.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 56.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 26, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	9.0	1.8	18.6
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	2.0	46.3
9	BITTON	3.2	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	222.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	31.0	2.4	75.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	64.3
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.0	0.0	16.3	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	1.7	85.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	8.8	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	0.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	2.6	2.6	23.8
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	25.4
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	63.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	71.9	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.0	23.6	843.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	38.1	6.7	206.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-2.3	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	16.5	418.2
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	332.9
5	L SMITH EXCHANGE	4.0	15.9	2	ISOM 1 EXCHANGE	9.8	311.0	2	SCHUREMAN EXCHAN	7.0	318.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	355.8	2	RASMUSSEN EXCHAN	5.1	237.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	266.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 27, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 27	1160.0	2.2	0.0	1162.2	0.00	1162.2	2.2	0.0	0.0	1160.0	0.0	0.0
9	Howell to Chilly		May 27	3.5	82.6	0.0	-1073.9	0.93	88.4	80.2	2.4	0.0	5.9	-2.4	0.0
8	Chilly to Reservoir	*	May 27	729.8	51.9	0.0	778.3	0.00	866.6	45.0	6.9	0.0	739.1	-9.3	0.0
	Connected														
7	Mackay Reservoir	*	May 27	656.0	0.0	0.0	0.0	0.00	866.6	243.3		0.0	495.8	160.2	0.0
6	Reservoir to 2B		May 27	646.0	10.0	0.0	0.0	0.00	866.6	7.7	2.3	0.0	488.1	157.9	0.0
5	2B to Leslie		May 27	415.0	109.6	0.0	-121.4	0.19	866.6	99.1	10.5	0.0	297.3	117.7	0.0
4	Leslie to Moore		May 27	0.8	158.5	0.0	-193.8	0.47	866.6	123.2	35.4	0.0	35.3	-34.5	0.0
2	Moore to blw Munsey		May 27	0.0	69.0	45.1	-23.8	0.38	866.6	21.9	17.0	30.1	0.0	0.0	0.0
1	Blw Munsey to Arco		May 27	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		622.6	74.5	30.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 27	0.0	0.0		19590902	2%
9	Howell to Chilly	May 27	0.0	0.0		19590902	2%
8	Chilly to Reservoir	May 27	0.0	0.0		19590902	2%
	Connected						
7	Mackay Reservoir	May 27	0.0	0.0		19590902	2%
6	Reservoir to 2B	May 27	0.0	0.0		19590902	2%
5	2B to Leslie	May 27	91.7	29.7		19590902	2%
4	Leslie to Moore	May 27	138.9	55.0		19590902	2%
2	Moore to blw Munsey	May 27	13.4	10.4		19590902	2%
1	Blw Munsey to Arco	May 27	0.0	0.0		19590902	2%
	TOTAL		244.0	95.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	133.3
2	18810630	1.7	294.0	70.8
3	18880601	3.2	556.5	133.3
4	18960601	6.4	1113.0	266.6
5	19020301	0.8	140.0	33.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	5634.3
9	Add Vol	Unlimited	200000.0	0.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	44122.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37390.0	37510.0	120.0	60.5	13.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	6612.6
Total Storage Loss	-3531.3
Total Storage Deliver	-2224.3
Total Evaporation	-526.8
Accounting Balance	37510.1
Current Res Content	37510.0
Storage Balance Error	0.1

DAILY STORAGE BALANCE

37390.0 Reservoir Content Previous Day [ac-ft]
37510.0 Reservoir Content Current Day [ac-ft]
120.0 Physical Change in Storage [ac-ft]

482.6 Storage Allocated to Mackay Reservoir [ac-ft]

-188.6 Stored Flow Losses [ac-ft]
-29.7 2B to Leslie [cfs]
-55.0 Leslie to Moore [cfs]
-10.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-147.7 Storage Delivered [ac-ft]
9.3 Above Reservoir [cfs]
2.3 Reservoir to 2B [cfs]
10.5 2B to Leslie [cfs]
35.4 Leslie to Moore [cfs]
17.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-26.5 Evaporation [ac-ft]

119.8 Accounting Change in Storage [ac-ft]

-0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

729.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

729.8 Total Available Natural Flow [cfs]

243.3 Reservoir Rights Diverted [cfs]

244.0 Natural Flow Losses below Reservoir [cfs]
91.7 2B to Leslie [cfs]
138.9 Leslie to Moore [cfs]
13.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

242.6 Natural Flow Delivered [cfs]
-9.3 Above Reservoir Storage Use [cfs]
7.7 Reservoir to 2B [cfs]
99.1 2B to Leslie [cfs]
123.2 Leslie to Moore [cfs]
21.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

729.9 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.0	300
Eastside Felton Wier +	59.3	2965
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	110.4	5519
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	64.0	3200
Total Out	73.8	3690

Abbreviated Reach Delivery Factor	0.67

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 66.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 33.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 50.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 81.9%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 61.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 37.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 68.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 54.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 27, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	2.2	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	10.0	2.3	23.2
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	2.2	50.6
9	BITTON	5.4	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	2.4	227.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	38.0	2.3	80.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	71.4
9	NEILSEN	23.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	34.1	0.0	16.3	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	18.0	3.8	92.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	11.2	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	0.8	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	5.9	5.9	35.5
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	27.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	66.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	84.8	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	4.7	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	95.0	21.8	886.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	37.2	6.1	218.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-1.0	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	18.0	453.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	346.8
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	330.5	2	SCHUREMAN EXCHAN	7.0	332.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	371.3	2	RASMUSSEN EXCHAN	5.1	247.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	283.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 28, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 28	1240.0	2.2	0.0	1242.2	0.00	1242.2	2.2	0.0	0.0	1240.0	0.0	0.0
9	Howell to Chilly		May 28	3.5	82.6	0.0	-1153.9	0.93	88.4	80.2	2.4	0.0	5.9	-2.4	0.0
8	Chilly to Reservoir	*	May 28	735.3	51.9	0.0	783.8	0.00	872.1	45.0	6.9	0.0	744.6	-9.3	0.0
	Connected														
7	Mackay Reservoir	*	May 28	696.0	0.0	0.0	0.0	0.00	872.1	226.7		0.0	518.0	178.0	0.0
6	Reservoir to 2B		May 28	686.0	10.0	0.0	0.0	0.00	872.1	7.7	2.3	0.0	510.3	175.7	0.0
5	2B to Leslie		May 28	435.0	113.6	0.0	-137.4	0.20	872.1	97.3	16.3	0.0	310.8	124.2	0.0
4	Leslie to Moore		May 28	0.0	167.4	0.0	-206.5	0.47	872.1	129.4	38.0	0.0	33.8	-33.8	0.0
2	Moore to blw Munsey		May 28	0.0	69.0	45.1	-21.4	0.35	872.1	22.0	17.7	29.4	0.0	0.0	0.0
1	Blw Munsey to Arco		May 28	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	610.5	83.6	29.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 28	0.0	0.0		20180101	0%
9	Howell to Chilly	May 28	0.0	0.0		20180101	0%
8	Chilly to Reservoir	May 28	0.0	0.0		20180101	0%
	Connected						
7	Mackay Reservoir	May 28	0.0	0.0		20180101	0%
6	Reservoir to 2B	May 28	0.0	0.0		20180101	0%
5	2B to Leslie	May 28	102.2	35.2		20180101	0%
4	Leslie to Moore	May 28	147.5	59.0		20180101	0%
2	Moore to blw Munsey	May 28	11.9	9.6		20180101	0%
1	Blw Munsey to Arco	May 28	0.0	0.0		20180101	0%
	TOTAL		261.6	103.7	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	139.6
2	18810630	1.7	294.0	74.2
3	18880601	3.2	556.5	139.6
4	18960601	6.4	1113.0	279.3
5	19020301	0.8	140.0	34.9
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	53.5
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	44572.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37510.0	37560.0	50.0	25.2	14.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	7062.1
Total Storage Loss	-3737.2
Total Storage Deliver	-2390.1
Total Evaporation	-554.9
Accounting Balance	37560.0
Current Res Content	37560.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

37510.0 Reservoir Content Previous Day [ac-ft]
37560.0 Reservoir Content Current Day [ac-ft]
50.0 Physical Change in Storage [ac-ft]

449.6 Storage Allocated to Mackay Reservoir [ac-ft]

-205.9 Stored Flow Losses [ac-ft]
-35.2 2B to Leslie [cfs]
-59.0 Leslie to Moore [cfs]
-9.6 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-165.8 Storage Delivered [ac-ft]
9.3 Above Reservoir [cfs]
2.3 Reservoir to 2B [cfs]
16.3 2B to Leslie [cfs]
38.0 Leslie to Moore [cfs]
17.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.0 Evaporation [ac-ft]

49.9 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

735.3 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

735.3 Total Available Natural Flow [cfs]

226.7 Reservoir Rights Diverted [cfs]

261.6 Natural Flow Losses below Reservoir [cfs]
102.2 2B to Leslie [cfs]
147.5 Leslie to Moore [cfs]
11.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

247.1 Natural Flow Delivered [cfs]
-9.3 Above Reservoir Storage Use [cfs]
7.7 Reservoir to 2B [cfs]
97.3 2B to Leslie [cfs]
129.4 Leslie to Moore [cfs]
22.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

735.4 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.3	365
Eastside Felton Wier +	57.4	2870
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	109.8	5489
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	61.7	3085
Total Out	71.5	3575

Abbreviated Reach Delivery Factor	0.65
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 65.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 32.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 49.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 81.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 61.1 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 37.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 67.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 53.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 28, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	2.2	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	10.0	2.3	27.7
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	2.2	54.9
9	BITTON	5.4	0.0	0.0	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	3.5	234.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	7.0	94.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	78.5
9	NEILSEN	23.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	34.1	0.0	16.3	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	4.6	101.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	11.2	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	1.6	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	5.9	5.9	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	28.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	69.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	97.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	4.7	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	101.9	24.0	934.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	37.9	6.6	231.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	26.0	-0.7	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	18.4	490.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	360.7
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	349.9	2	SCHUREMAN EXCHAN	7.0	346.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	386.8	2	RASMUSSEN EXCHAN	5.1	257.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	299.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 29, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 29	1210.0	2.2	0.0	1212.2	0.00	1212.2	2.2	0.0	0.0	1210.0	0.0	0.0
9	Howell to Chilly		May 29	3.5	82.6	0.0	-1123.9	0.93	88.4	45.9	36.7	0.0	40.2	-36.7	0.0
8	Chilly to Reservoir	*	May 29	772.1	51.9	0.0	820.5	0.00	908.8	45.0	6.9	0.0	815.6	-43.6	0.0
	Connected														
7	Mackay Reservoir	*	May 29	723.0	0.0	0.0	0.0	0.00	908.8	268.8		0.0	546.8	176.2	0.0
6	Reservoir to 2B		May 29	713.0	10.0	0.0	0.0	0.00	908.8	7.7	2.3	0.0	539.1	173.9	0.0
5	2B to Leslie		May 29	464.0	113.6	0.0	-135.4	0.19	908.8	97.2	16.4	0.0	339.6	124.4	0.0
4	Leslie to Moore		May 29	1.4	162.6	0.0	-233.4	0.50	908.8	128.7	33.9	0.0	40.1	-38.7	0.0
2	Moore to blw Munsey		May 29	0.0	70.0	45.1	-27.7	0.41	908.8	23.7	16.5	29.7	0.0	0.0	0.0
1	Blw Munsey to Arco		May 29	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	619.3	112.7	29.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 29	0.0	0.0		20180101	3%
9	Howell to Chilly	May 29	0.0	0.0		20180101	3%
8	Chilly to Reservoir	May 29	0.0	0.0		20180101	3%
	Connected						
7	Mackay Reservoir	May 29	0.0	0.0		20180101	3%
6	Reservoir to 2B	May 29	0.0	0.0		20180101	3%
5	2B to Leslie	May 29	102.4	33.0		20180101	3%
4	Leslie to Moore	May 29	170.8	62.6		20180101	3%
2	Moore to blw Munsey	May 29	16.3	11.4		20180101	3%
1	Blw Munsey to Arco	May 29	0.0	0.0		20180101	3%
	TOTAL		289.5	107.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	146.0
2	18810630	1.7	294.0	77.6
3	18880601	3.2	556.5	146.0
4	18960601	6.4	1113.0	292.0
5	19020301	0.8	140.0	36.5
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	556.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	45105.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37560.0	37630.0	70.0	35.3	13.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	7595.4
Total Storage Loss	-3949.4
Total Storage Deliver	-2613.7
Total Evaporation	-582.2
Accounting Balance	37630.1
Current Res Content	37630.0
Storage Balance Error	0.1

DAILY STORAGE BALANCE

37560.0 Reservoir Content Previous Day [ac-ft]
37630.0 Reservoir Content Current Day [ac-ft]
70.0 Physical Change in Storage [ac-ft]

533.2 Storage Allocated to Mackay Reservoir [ac-ft]

-212.2 Stored Flow Losses [ac-ft]
-33.0 2B to Leslie [cfs]
-62.6 Leslie to Moore [cfs]
-11.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-223.6 Storage Delivered [ac-ft]
43.6 Above Reservoir [cfs]
2.3 Reservoir to 2B [cfs]
16.4 2B to Leslie [cfs]
33.9 Leslie to Moore [cfs]
16.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-27.3 Evaporation [ac-ft]

70.1 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

772.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

772.1 Total Available Natural Flow [cfs]

268.8 Reservoir Rights Diverted [cfs]

289.5 Natural Flow Losses below Reservoir [cfs]
102.4 2B to Leslie [cfs]
170.8 Leslie to Moore [cfs]
16.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

213.7 Natural Flow Delivered [cfs]
-43.6 Above Reservoir Storage Use [cfs]
7.7 Reservoir to 2B [cfs]
97.2 2B to Leslie [cfs]
128.7 Leslie to Moore [cfs]
23.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

772.0 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.1	255
Eastside Felton Wier +	64.7	3235
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	114.9	5744
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	66.0	3300
Total Out	75.8	3790

Abbreviated Reach Delivery Factor	0.66

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 66.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 54.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 82.5%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 66.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 40.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 70.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 54.5%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 29, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	2.2	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	10.0	2.3	32.2
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	2.2	59.2
9	BITTON	5.4	2.1	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	2.4	238.8
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	8.3	110.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	85.7
9	NEILSEN	23.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	34.1	32.1	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	3.7	109.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	11.2	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	2.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	30.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	73.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	110.6	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	4.7	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	100.2	25.6	985.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	40.5	7.4	246.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	-1.2	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	17.7	525.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	374.6
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	369.3	2	SCHUREMAN EXCHAN	7.0	360.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	402.3	2	RASMUSSEN EXCHAN	5.1	267.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	316.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 30, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 30	1140.0	1.6	0.0	1141.6	0.00	1141.6	1.6	0.0	0.0	1140.0	0.0	0.0
9	Howell to Chilly		May 30	3.5	29.3	0.0	-1107.2	0.97	34.4	26.9	2.4	0.0	5.9	-2.4	0.0
8	Chilly to Reservoir	*	May 30	749.9	40.7	0.0	787.1	0.00	821.4	34.2	6.5	0.0	758.8	-8.9	0.0
	Connected														
7	Mackay Reservoir	*	May 30	700.0	0.0	0.0	0.0	0.00	821.4	194.4		0.0	564.4	135.6	0.0
6	Reservoir to 2B		May 30	690.0	10.0	0.0	0.0	0.00	821.4	7.7	2.3	0.0	556.7	133.3	0.0
5	2B to Leslie		May 30	474.0	113.6	0.0	-102.4	0.15	821.4	94.7	18.9	0.0	379.4	94.6	0.0
4	Leslie to Moore		May 30	0.2	162.5	0.0	-237.3	0.50	821.4	128.5	34.0	0.0	61.0	-60.8	0.0
2	Moore to blw Munsey		May 30	0.0	70.0	45.1	-34.4	0.46	821.4	32.7	7.1	30.2	0.0	0.0	0.0
1	Blw Munsey to Arco		May 30	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	520.6	71.2	30.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 30	0.0	0.0		20180101	2%
9	Howell to Chilly	May 30	0.0	0.0		20180101	2%
8	Chilly to Reservoir	May 30	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	May 30	0.0	0.0		20180101	2%
6	Reservoir to 2B	May 30	0.0	0.0		20180101	2%
5	2B to Leslie	May 30	82.6	19.8		20180101	2%
4	Leslie to Moore	May 30	189.9	47.4		20180101	2%
2	Moore to blw Munsey	May 30	28.3	6.1		20180101	2%
1	Blw Munsey to Arco	May 30	0.0	0.0		20180101	2%
	TOTAL		300.8	73.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	152.3
2	18810630	1.7	294.0	80.9
3	18880601	3.2	556.5	152.3
4	18960601	6.4	1113.0	304.7
5	19020301	0.8	140.0	38.1
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	911.6
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	45491.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37630.0	37710.0	80.0	40.3	9.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	7981.0
Total Storage Loss	-4094.8
Total Storage Deliver	-2754.9
Total Evaporation	-601.1
Accounting Balance	37710.1
Current Res Content	37710.0
Storage Balance Error	0.1

DAILY STORAGE BALANCE

37630.0 Reservoir Content Previous Day [ac-ft]
37710.0 Reservoir Content Current Day [ac-ft]
80.0 Physical Change in Storage [ac-ft]

385.6 Storage Allocated to Mackay Reservoir [ac-ft]

-145.4 Stored Flow Losses [ac-ft]
-19.8 2B to Leslie [cfs]
-47.4 Leslie to Moore [cfs]
-6.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-141.2 Storage Delivered [ac-ft]
8.9 Above Reservoir [cfs]
2.3 Reservoir to 2B [cfs]
18.9 2B to Leslie [cfs]
34.0 Leslie to Moore [cfs]
7.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-19.0 Evaporation [ac-ft]

80.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

749.9 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

749.9 Total Available Natural Flow [cfs]

194.4 Reservoir Rights Diverted [cfs]

300.8 Natural Flow Losses below Reservoir [cfs]
82.6 2B to Leslie [cfs]
189.9 Leslie to Moore [cfs]
28.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

254.7 Natural Flow Delivered [cfs]
-8.9 Above Reservoir Storage Use [cfs]
7.7 Reservoir to 2B [cfs]
94.7 2B to Leslie [cfs]
128.5 Leslie to Moore [cfs]
32.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

749.9 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.9	245
Eastside Felton Wier +	70.9	3545
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	120.9	6044
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	71.2	3560
Total Out	81.0	4050

Abbreviated Reach Delivery Factor	0.67

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 67.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 41.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 61.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 82.7%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 74.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 40.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 70.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 55.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 30, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	10.0	2.3	36.7
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	2.2	63.5
9	BITTON	3.2	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	4.5	247.8
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	8.6	127.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	92.8
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	3.7	116.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	8.8	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	2.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	31.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	76.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	123.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	100.1	25.6	1035.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	40.2	7.2	260.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	-9.7	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	16.8	558.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	388.4
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	388.8	2	SCHUREMAN EXCHAN	7.0	373.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	417.7	2	RASMUSSEN EXCHAN	5.1	277.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	333.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 31, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		May 31	1070.0	1.6	0.0	1071.6	0.00	1071.6	1.6	0.0	0.0	1070.0	0.0	0.0
9	Howell to Chilly		May 31	3.5	29.2	0.0	-1037.3	0.97	34.3	26.9	2.3	0.0	5.8	-2.3	0.0
8	Chilly to Reservoir	*	May 31	765.2	40.7	0.0	802.4	0.00	836.6	34.2	6.5	0.0	774.0	-8.8	0.0
	Connected														
7	Mackay Reservoir	*	May 31	701.0	0.0	0.0	0.0	0.00	836.6	245.2		0.0	528.8	172.2	0.0
6	Reservoir to 2B		May 31	691.0	10.0	0.0	0.0	0.00	836.6	7.7	2.3	0.0	521.1	169.9	0.0
5	2B to Leslie		May 31	485.0	113.6	0.0	-92.4	0.13	836.6	96.8	16.8	0.0	354.6	130.4	0.0
4	Leslie to Moore		May 31	0.2	166.1	0.0	-240.3	0.50	836.6	128.5	37.6	0.0	50.4	-50.2	0.0
2	Moore to blw Munsey		May 31	0.0	70.0	45.1	-39.1	0.50	836.6	25.3	14.2	30.6	0.0	0.0	0.0
1	Blw Munsey to Arco		May 31	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	566.2	79.7	30.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	May 31	0.0	0.0		20180101	2%
9	Howell to Chilly	May 31	0.0	0.0		20180101	2%
8	Chilly to Reservoir	May 31	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	May 31	0.0	0.0		20180101	2%
6	Reservoir to 2B	May 31	0.0	0.0		20180101	2%
5	2B to Leslie	May 31	69.7	22.7		20180101	2%
4	Leslie to Moore	May 31	175.7	64.6		20180101	2%
2	Moore to blw Munsey	May 31	25.1	14.0		20180101	2%
1	Blw Munsey to Arco	May 31	0.0	0.0		20180101	2%
	TOTAL		270.5	101.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	158.7
2	18810630	1.7	294.0	84.3
3	18880601	3.2	556.5	158.7
4	18960601	6.4	1113.0	317.4
5	19020301	0.8	140.0	39.7
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	1367.7
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	45977.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37710.0	37810.0	100.0	50.4	13.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	8467.4
Total Storage Loss	-4295.7
Total Storage Deliver	-2913.0
Total Evaporation	-628.5
Accounting Balance	37810.2
Current Res Content	37810.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

37710.0 Reservoir Content Previous Day [ac-ft]
37810.0 Reservoir Content Current Day [ac-ft]
100.0 Physical Change in Storage [ac-ft]

486.4 Storage Allocated to Mackay Reservoir [ac-ft]

-200.9 Stored Flow Losses [ac-ft]
-22.7 2B to Leslie [cfs]
-64.6 Leslie to Moore [cfs]
-14.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-158.0 Storage Delivered [ac-ft]
8.8 Above Reservoir [cfs]
2.3 Reservoir to 2B [cfs]
16.8 2B to Leslie [cfs]
37.6 Leslie to Moore [cfs]
14.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-27.4 Evaporation [ac-ft]

100.1 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

765.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

765.2 Total Available Natural Flow [cfs]

245.2 Reservoir Rights Diverted [cfs]

270.5 Natural Flow Losses below Reservoir [cfs]
69.7 2B to Leslie [cfs]
175.7 Leslie to Moore [cfs]
25.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

249.5 Natural Flow Delivered [cfs]
-8.8 Above Reservoir Storage Use [cfs]
7.7 Reservoir to 2B [cfs]
96.8 2B to Leslie [cfs]
128.5 Leslie to Moore [cfs]
25.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

765.2 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.0	300
Eastside Felton Wier +	77.0	3850
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	128.1	6404
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	77.0	3850
Total Out	86.8	4340

Abbreviated Reach Delivery Factor	0.68

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 67.8%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.6 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 46.4 cfs
Step 4 - River at Weirs	River at Eastside Out / Abbreviated Reach Delivery Factor	= 68.5 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs / Eastside In	= 87.4%
Step 6 - River at Eastside In	River at Weirs / Upper Reach Delivery Factor	= 78.4 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 37.8 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 75.1%
Step 9 - Eastside River Delivery Factor	River at Eastside Out / River at Eastside In	= 59.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - May 31, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.6	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	10.0	2.3	41.3
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	2.2	67.8
9	BITTON	3.2	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.4	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	2.4	252.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	8.6	144.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	100.0
9	NEILSEN	10.5	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	3.7	123.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	8.8	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	2.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	33.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	79.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.5	6.5	136.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	103.7	27.6	1090.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	37.8	6.2	273.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	-1.8	0.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	43.0	15.9	590.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.8	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	8.0	2	QUIST EXCHANGE P	7.0	402.3
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	408.2	2	SCHUREMAN EXCHAN	7.0	387.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	433.2	2	RASMUSSEN EXCHAN	5.1	288.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	349.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 1, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 1	940.0	1.8	0.0	941.8	0.00	941.8	1.8	0.0	0.0	940.0	0.0	0.0
9	Howell to Chilly		Jun 1	0.0	50.7	0.0	-889.3	1.00	52.5	48.3	2.5	0.0	2.5	-2.5	0.0
8	Chilly to Reservoir	*	Jun 1	722.2	36.0	0.0	758.2	0.00	810.7	30.0	6.0	0.0	730.7	-8.5	0.0
	Connected														
7	Mackay Reservoir	*	Jun 1	694.0	0.0	0.0	0.0	0.00	810.7	204.5		0.0	526.1	167.9	0.0
6	Reservoir to 2B		Jun 1	688.0	6.0	0.0	0.0	0.00	810.7	5.8	0.2	0.0	520.3	167.7	0.0
5	2B to Leslie		Jun 1	497.0	117.6	0.0	-73.4	0.11	810.7	102.5	15.1	0.0	362.3	134.7	0.0
4	Leslie to Moore		Jun 1	0.1	169.9	0.0	-248.1	0.50	810.7	133.6	36.4	0.0	47.8	-47.7	0.0
2	Moore to blw Munsey		Jun 1	0.0	79.0	47.1	-30.6	0.39	810.7	29.3	19.1	30.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 1	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		555.8	79.3	30.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 1	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 1	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 1	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 1	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 1	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 1	55.5	17.9		20180101	2%
4	Leslie to Moore	Jun 1	180.9	67.3		20180101	2%
2	Moore to blw Munsey	Jun 1	18.5	12.0		20180101	2%
1	Blw Munsey to Arco	Jun 1	0.0	0.0		20180101	2%
	TOTAL		254.9	97.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	165.0
2	18810630	1.7	294.0	87.7
3	18880601	3.2	556.5	165.0
4	18960601	6.4	1113.0	330.1
5	19020301	0.8	140.0	41.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	1743.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	46383.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37810.0	37840.0	30.0	15.1	13.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	8873.1
Total Storage Loss	-4488.5
Total Storage Deliver	-3070.3
Total Evaporation	-654.4
Accounting Balance	37839.9
Current Res Content	37840.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

37810.0 Reservoir Content Previous Day [ac-ft]
37840.0 Reservoir Content Current Day [ac-ft]
30.0 Physical Change in Storage [ac-ft]

405.7 Storage Allocated to Mackay Reservoir [ac-ft]

-192.8 Stored Flow Losses [ac-ft]
-17.9 2B to Leslie [cfs]
-67.3 Leslie to Moore [cfs]
-12.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-157.2 Storage Delivered [ac-ft]
8.5 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
15.1 2B to Leslie [cfs]
36.4 Leslie to Moore [cfs]
19.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.9 Evaporation [ac-ft]

29.8 Accounting Change in Storage [ac-ft]

-0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

722.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

722.2 Total Available Natural Flow [cfs]

204.5 Reservoir Rights Diverted [cfs]

254.9 Natural Flow Losses below Reservoir [cfs]
55.5 2B to Leslie [cfs]
180.9 Leslie to Moore [cfs]
18.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

262.7 Natural Flow Delivered [cfs]
-8.5 Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
102.5 2B to Leslie [cfs]
133.6 Leslie to Moore [cfs]
29.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

722.1 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.9	345
Eastside Felton Wier +	77.5	3875
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	2.0	100
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	131.5	6574
Groundwater to Arco	20.5	1025
Groundwater to Munsey	26.6	1329

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	76.3	3815
Total Out	85.5	4275

Abbreviated Reach Delivery Factor	0.65

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 65.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 45.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 70.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 89.1%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 78.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 36.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 75.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 57.9%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 1, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	41.6
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.8	69.3
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	2.4	257.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	8.3	161.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	107.1
9	NEILSEN	18.6	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	9.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	3.7	131.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	2.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	34.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	82.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	148.3	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	108.9	24.9	1140.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	36.6	5.6	284.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	3.0	6.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	17.3	624.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	2.0	11.9	2	QUIST EXCHANGE P	7.0	416.2
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	427.6	2	SCHUREMAN EXCHAN	7.0	401.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	448.7	2	RASMUSSEN EXCHAN	5.1	298.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	366.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 2, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 2	853.0	1.8	0.0	854.8	0.00	854.8	1.8	0.0	0.0	853.0	0.0	0.0
9	Howell to Chilly		Jun 2	0.0	50.7	0.0	-802.3	1.00	52.5	48.3	2.5	0.0	2.5	-2.5	0.0
8	Chilly to Reservoir	*	Jun 2	636.6	36.0	0.0	672.6	0.00	725.1	30.0	6.0	0.0	645.1	-8.5	0.0
	Connected														
7	Mackay Reservoir	*	Jun 2	679.0	0.0	0.0	0.0	0.00	725.1	127.8		0.0	517.3	161.7	0.0
6	Reservoir to 2B		Jun 2	673.0	6.0	0.0	0.0	0.00	725.1	5.8	0.2	0.0	511.4	161.6	0.0
5	2B to Leslie		Jun 2	502.0	77.6	0.0	-93.4	0.14	725.1	73.2	4.4	0.0	367.3	134.7	0.0
4	Leslie to Moore		Jun 2	0.0	168.6	0.0	-256.9	0.51	725.1	133.2	35.5	0.0	46.2	-46.1	0.0
2	Moore to blw Munsey		Jun 2	0.0	79.0	47.1	-27.5	0.36	725.1	29.6	19.4	30.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 2	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	449.6	68.0	30.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 2	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 2	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 2	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 2	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 2	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 2	71.0	22.4		20180101	1%
4	Leslie to Moore	Jun 2	187.9	68.9		20180101	1%
2	Moore to blw Munsey	Jun 2	16.6	10.9		20180101	1%
1	Blw Munsey to Arco	Jun 2	0.0	0.0		20180101	1%
	TOTAL		275.5	102.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	171.4
2	18810630	1.7	294.0	91.0
3	18880601	3.2	556.5	171.4
4	18960601	6.4	1113.0	342.7
5	19020301	0.8	140.0	42.8
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	1966.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	46636.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37840.0	37730.0	-110.0	-55.5	13.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	9126.6
Total Storage Loss	-4691.2
Total Storage Deliver	-3205.1
Total Evaporation	-680.3
Accounting Balance	37730.0
Current Res Content	37730.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

37840.0 Reservoir Content Previous Day [ac-ft]
37730.0 Reservoir Content Current Day [ac-ft]
-110.0 Physical Change in Storage [ac-ft]

253.5 Storage Allocated to Mackay Reservoir [ac-ft]

-202.7 Stored Flow Losses [ac-ft]
-22.4 2B to Leslie [cfs]
-68.9 Leslie to Moore [cfs]
-10.9 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-135.0 Storage Delivered [ac-ft]
8.5 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
4.4 2B to Leslie [cfs]
35.5 Leslie to Moore [cfs]
19.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.9 Evaporation [ac-ft]

-110.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

636.6 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

636.6 Total Available Natural Flow [cfs]

127.8 Reservoir Rights Diverted [cfs]

275.5 Natural Flow Losses below Reservoir [cfs]
71.0 2B to Leslie [cfs]
187.9 Leslie to Moore [cfs]
16.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

233.3 Natural Flow Delivered [cfs]
-8.5 Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
73.2 2B to Leslie [cfs]
133.2 Leslie to Moore [cfs]
29.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

636.6 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.7	285
Eastside Felton Wier +	76.3	3815
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	2.0	100
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	129.1	6454
Groundwater to Arco	20.5	1025
Groundwater to Munsey	26.6	1329

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	73.0	3650
Total Out	82.2	4110

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.64

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 63.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 43.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 67.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 88.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 76.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 37.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 74.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 56.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 2, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	42.0
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.8	70.9
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	0.0	257.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	2.0	0.0	161.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	114.2
9	NEILSEN	18.6	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	9.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	3.7	138.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	2.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	36.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	85.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	160.2	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	107.6	24.4	1188.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	37.2	5.9	295.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	3.3	12.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	17.4	659.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	2.0	15.9	2	QUIST EXCHANGE P	7.0	430.1
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	447.1	2	SCHUREMAN EXCHAN	7.0	415.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	464.1	2	RASMUSSEN EXCHAN	5.1	308.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	383.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 3, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 3	560.0	1.8	0.0	561.8	0.00	561.8	1.8	0.0	0.0	560.0	0.0	0.0
9	Howell to Chilly		Jun 3	0.0	38.7	0.0	-521.3	1.00	40.5	37.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 3	600.0	40.1	0.0	640.1	0.00	680.6	33.7	6.4	0.0	608.0	-8.0	0.0
	Connected														
7	Mackay Reservoir	*	Jun 3	644.0	0.0	0.0	0.0	0.00	680.6	122.5		0.0	485.6	158.4	0.0
6	Reservoir to 2B		Jun 3	638.0	6.0	0.0	0.0	0.00	680.6	5.8	0.2	0.0	479.8	158.2	0.0
5	2B to Leslie		Jun 3	479.0	117.6	0.0	-41.4	0.06	680.6	104.6	13.0	0.0	344.1	134.9	0.0
4	Leslie to Moore		Jun 3	0.0	166.3	0.0	-241.3	0.50	680.6	128.2	38.1	0.0	42.5	-42.5	0.0
2	Moore to blw Munsey		Jun 3	0.0	79.0	47.1	-21.7	0.30	680.6	29.6	20.0	29.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 3	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	463.2	79.3	29.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 3	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 3	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 3	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 3	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 3	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 3	31.1	10.3		20180101	1%
4	Leslie to Moore	Jun 3	173.3	68.0		20180101	1%
2	Moore to blw Munsey	Jun 3	13.0	8.8		20180101	1%
1	Blw Munsey to Arco	Jun 3	0.0	0.0		20180101	1%
	TOTAL		217.4	87.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	177.7
2	18810630	1.7	294.0	94.4
3	18880601	3.2	556.5	177.7
4	18960601	6.4	1113.0	355.4
5	19020301	0.8	140.0	44.4
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	2178.8
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	46879.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37730.0	37620.0	-110.0	-55.5	11.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	9369.5
Total Storage Loss	-4864.0
Total Storage Deliver	-3362.4
Total Evaporation	-703.1
Accounting Balance	37620.0
Current Res Content	37620.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

37730.0 Reservoir Content Previous Day [ac-ft]
37620.0 Reservoir Content Current Day [ac-ft]
-110.0 Physical Change in Storage [ac-ft]

242.9 Storage Allocated to Mackay Reservoir [ac-ft]

-172.8 Stored Flow Losses [ac-ft]
-10.3 2B to Leslie [cfs]
-68.0 Leslie to Moore [cfs]
-8.8 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-157.4 Storage Delivered [ac-ft]
8.0 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
13.0 2B to Leslie [cfs]
38.1 Leslie to Moore [cfs]
20.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-22.8 Evaporation [ac-ft]

-110.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

600.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

600.0 Total Available Natural Flow [cfs]

122.5 Reservoir Rights Diverted [cfs]

217.4 Natural Flow Losses below Reservoir [cfs]
31.1 2B to Leslie [cfs]
173.3 Leslie to Moore [cfs]
13.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

260.2 Natural Flow Delivered [cfs]
-8.0 Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
104.6 2B to Leslie [cfs]
128.2 Leslie to Moore [cfs]
29.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

600.1 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.1	255
Eastside Felton Wier +	71.2	3561
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	2.0	100
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	123.4	6170
Groundwater to Arco	20.5	1025
Groundwater to Munsey	26.6	1329

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	67.8	3390
Total Out	77.0	3850

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.62

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 62.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 38.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 61.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 86.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 71.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 38.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 71.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 53.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 3, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	42.3
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.8	72.5
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	0.0	257.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	8.6	178.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	121.4
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	9.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	4.2	146.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	3.2	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	38.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	88.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	172.1	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	105.3	27.3	1242.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	38.4	6.4	308.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	3.6	19.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	17.7	694.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	2.0	19.9	2	QUIST EXCHANGE P	7.0	444.0
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	466.5	2	SCHUREMAN EXCHAN	7.0	429.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	479.6	2	RASMUSSEN EXCHAN	5.1	318.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	399.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 4, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 4	887.0	1.8	0.0	888.8	0.00	888.8	1.8	0.0	0.0	887.0	0.0	0.0
9	Howell to Chilly		Jun 4	0.0	38.7	0.0	-848.3	1.00	40.5	37.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 4	586.4	40.1	0.0	626.4	0.00	666.9	33.7	6.4	0.0	594.4	-8.0	0.0
	Connected														
7	Mackay Reservoir	*	Jun 4	611.0	0.0	0.0	0.0	0.00	666.9	135.4		0.0	459.0	152.0	0.0
6	Reservoir to 2B		Jun 4	605.0	6.0	0.0	0.0	0.00	666.9	5.8	0.2	0.0	453.1	151.9	0.0
5	2B to Leslie		Jun 4	458.0	117.6	0.0	-29.4	0.05	666.9	104.6	13.0	0.0	326.6	131.4	0.0
4	Leslie to Moore		Jun 4	0.0	164.8	0.0	-226.8	0.50	666.9	124.5	40.3	0.0	40.3	-40.3	0.0
2	Moore to blw Munsey		Jun 4	0.0	79.0	47.1	-17.5	0.26	666.9	29.7	19.1	30.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 4	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		472.5	80.6	30.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 4	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 4	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 4	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 4	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 4	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 4	22.0	7.4		20180101	1%
4	Leslie to Moore	Jun 4	161.7	65.1		20180101	1%
2	Moore to blw Munsey	Jun 4	10.7	6.9		20180101	1%
1	Blw Munsey to Arco	Jun 4	0.0	0.0		20180101	1%
	TOTAL		194.4	79.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	184.1
2	18810630	1.7	294.0	97.8
3	18880601	3.2	556.5	184.1
4	18960601	6.4	1113.0	368.1
5	19020301	0.8	140.0	46.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	2417.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	47148.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37620.0	37540.0	-80.0	-40.3	15.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	9638.1
Total Storage Loss	-5021.5
Total Storage Deliver	-3522.3
Total Evaporation	-734.2
Accounting Balance	37540.0
Current Res Content	37540.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

37620.0 Reservoir Content Previous Day [ac-ft]
37540.0 Reservoir Content Current Day [ac-ft]
-80.0 Physical Change in Storage [ac-ft]

268.6 Storage Allocated to Mackay Reservoir [ac-ft]

-157.5 Stored Flow Losses [ac-ft]
-7.4 2B to Leslie [cfs]
-65.1 Leslie to Moore [cfs]
-6.9 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-159.9 Storage Delivered [ac-ft]
8.0 Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
13.0 2B to Leslie [cfs]
40.3 Leslie to Moore [cfs]
19.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-31.1 Evaporation [ac-ft]

-79.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

586.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

586.4 Total Available Natural Flow [cfs]

135.4 Reservoir Rights Diverted [cfs]

194.4 Natural Flow Losses below Reservoir [cfs]
22.0 2B to Leslie [cfs]
161.7 Leslie to Moore [cfs]
10.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

256.6 Natural Flow Delivered [cfs]
-8.0 Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
104.6 2B to Leslie [cfs]
124.5 Leslie to Moore [cfs]
29.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

586.4 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.7	235
Eastside Felton Wier +	66.9	3345
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	2.0	100
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	118.7	5934
Groundwater to Arco	20.5	1025
Groundwater to Munsey	26.6	1329

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	66.9	3345
Total Out	76.1	3805

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.64

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 64.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 57.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 86.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 66.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 38.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 72.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 55.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 4, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	42.7
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	1.7	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.8	74.1
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	46.0	0.0	257.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	42.0	8.6	195.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	3.6	3.6	128.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	9.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	4.2	154.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	4.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	39.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	92.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	184.0	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	103.8	29.2	1300.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	38.0	6.2	320.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	3.2	26.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	17.2	728.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	2.0	23.8	2	QUIST EXCHANGE P	7.0	457.9
5	L SMITH EXCHANGE	0.0	15.9	2	ISOM 1 EXCHANGE	9.8	486.0	2	SCHUREMAN EXCHAN	7.0	443.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	495.1	2	RASMUSSEN EXCHAN	5.1	328.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	416.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 5, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 5	988.0	0.0	0.0	988.0	0.00	988.0	0.0	0.0	0.0	988.0	0.0	0.0
9	Howell to Chilly		Jun 5	0.0	19.0	0.0	-969.0	1.00	19.0	17.4	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 5	622.1	32.0	0.0	654.0	0.00	673.0	26.0	6.0	0.0	629.7	-7.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 5	618.0	0.0	0.0	0.0	0.00	673.0	175.7		0.0	453.9	164.1	0.0
6	Reservoir to 2B		Jun 5	613.0	5.0	0.0	0.0	0.00	673.0	4.6	0.4	0.0	449.3	163.7	0.0
5	2B to Leslie		Jun 5	456.0	113.9	0.0	-43.1	0.07	673.0	105.3	8.6	0.0	312.4	143.6	0.0
4	Leslie to Moore		Jun 5	0.0	161.6	0.0	-227.6	0.50	673.0	123.0	38.6	0.0	33.4	-33.4	0.0
2	Moore to blw Munsey		Jun 5	0.0	82.0	45.1	-14.1	0.21	673.0	26.4	26.3	29.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 5	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	478.5	81.5	29.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 5	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 5	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 5	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 5	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 5	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 5	31.6	11.5		20180101	2%
4	Leslie to Moore	Jun 5	155.9	71.7		20180101	2%
2	Moore to blw Munsey	Jun 5	7.1	7.0		20180101	2%
1	Blw Munsey to Arco	Jun 5	0.0	0.0		20180101	2%
	TOTAL		194.6	90.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	190.4
2	18810630	1.7	294.0	101.2
3	18880601	3.2	556.5	190.4
4	18960601	6.4	1113.0	380.8
5	19020301	0.8	140.0	47.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	2735.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	47496.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37540.0	37520.0	-20.0	-10.1	14.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	9986.6
Total Storage Loss	-5200.4
Total Storage Deliver	-3684.0
Total Evaporation	-762.3
Accounting Balance	37520.0
Current Res Content	37520.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

37540.0 Reservoir Content Previous Day [ac-ft]
37520.0 Reservoir Content Current Day [ac-ft]
-20.0 Physical Change in Storage [ac-ft]

348.6 Storage Allocated to Mackay Reservoir [ac-ft]

-178.9 Stored Flow Losses [ac-ft]
-11.5 2B to Leslie [cfs]
-71.7 Leslie to Moore [cfs]
-7.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-161.6 Storage Delivered [ac-ft]
7.6 Above Reservoir [cfs]
0.4 Reservoir to 2B [cfs]
8.6 2B to Leslie [cfs]
38.6 Leslie to Moore [cfs]
26.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.0 Evaporation [ac-ft]

-19.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

622.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

622.1 Total Available Natural Flow [cfs]

175.7 Reservoir Rights Diverted [cfs]

194.6 Natural Flow Losses below Reservoir [cfs]
31.6 2B to Leslie [cfs]
155.9 Leslie to Moore [cfs]
7.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

251.7 Natural Flow Delivered [cfs]
-7.6 Above Reservoir Storage Use [cfs]
4.6 Reservoir to 2B [cfs]
105.3 2B to Leslie [cfs]
123.0 Leslie to Moore [cfs]
26.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

622.0 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.4	220
Eastside Felton Wier +	68.7	3435
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	118.2	5909
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	67.7	3385
Total Out	76.9	3845

Abbreviated Reach Delivery Factor	0.65
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 65.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 38.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 59.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 88.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 66.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 36.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 74.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 57.5%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.4	43.5
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.6	75.2
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	37.0	0.5	258.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	50.0	6.6	208.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.9	0.9	130.3
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	4.4	163.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	41.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	95.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	195.9	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	100.6	26.7	1353.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	36.9	5.7	331.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	3.0	32.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	53.0	23.3	774.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	23.8	2	QUIST EXCHANGE P	7.0	471.8
5	L SMITH EXCHANGE	4.0	23.8	2	ISOM 1 EXCHANGE	9.8	505.4	2	SCHUREMAN EXCHAN	7.0	456.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	510.6	2	RASMUSSEN EXCHAN	5.1	338.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	433.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 6, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 6	1040.0	0.0	0.0	1040.0	0.00	1040.0	0.0	0.0	0.0	1040.0	0.0	0.0
9	Howell to Chilly		Jun 6	0.0	19.0	0.0	-1021.0	1.00	19.0	17.4	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 6	659.2	32.0	0.0	691.2	0.00	710.2	26.0	6.0	0.0	666.8	-7.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 6	647.0	0.0	0.0	0.0	0.00	710.2	215.0		0.0	451.8	195.2	0.0
6	Reservoir to 2B		Jun 6	642.0	5.0	0.0	0.0	0.00	710.2	4.2	0.8	0.0	447.6	194.4	0.0
5	2B to Leslie		Jun 6	478.0	103.9	0.0	-60.1	0.09	710.2	96.6	7.3	0.0	309.1	168.9	0.0
4	Leslie to Moore		Jun 6	0.0	160.7	0.0	-248.3	0.52	710.2	121.1	39.7	0.0	27.5	-27.5	0.0
2	Moore to blw Munsey		Jun 6	0.0	80.5	45.1	-18.1	0.26	710.2	20.2	30.6	29.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 6	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	500.5	86.0	29.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 6	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 6	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 6	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 6	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 6	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 6	41.9	18.2		20180101	2%
4	Leslie to Moore	Jun 6	160.6	87.7		20180101	2%
2	Moore to blw Munsey	Jun 6	7.2	10.9		20180101	2%
1	Blw Munsey to Arco	Jun 6	0.0	0.0		20180101	2%
	TOTAL		209.7	116.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	196.8
2	18810630	1.7	294.0	104.5
3	18880601	3.2	556.5	196.8
4	18960601	6.4	1113.0	393.5
5	19020301	0.8	140.0	49.2
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	3131.3
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	47923.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37520.0	37520.0	0.0	0.0	12.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	10413.1
Total Storage Loss	-5432.1
Total Storage Deliver	-3854.5
Total Evaporation	-786.5
Accounting Balance	37520.0
Current Res Content	37520.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

37520.0 Reservoir Content Previous Day [ac-ft]
37520.0 Reservoir Content Current Day [ac-ft]
0.0 Physical Change in Storage [ac-ft]

426.4 Storage Allocated to Mackay Reservoir [ac-ft]

-231.7 Stored Flow Losses [ac-ft]
-18.2 2B to Leslie [cfs]
-87.7 Leslie to Moore [cfs]
-10.9 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-170.5 Storage Delivered [ac-ft]
7.6 Above Reservoir [cfs]
0.8 Reservoir to 2B [cfs]
7.3 2B to Leslie [cfs]
39.7 Leslie to Moore [cfs]
30.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-24.2 Evaporation [ac-ft]

0.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

659.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

659.2 Total Available Natural Flow [cfs]

215.0 Reservoir Rights Diverted [cfs]

209.7 Natural Flow Losses below Reservoir [cfs]
41.9 2B to Leslie [cfs]
160.6 Leslie to Moore [cfs]
7.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

234.5 Natural Flow Delivered [cfs]
-7.6 Above Reservoir Storage Use [cfs]
4.2 Reservoir to 2B [cfs]
96.6 2B to Leslie [cfs]
121.1 Leslie to Moore [cfs]
20.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

659.2 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	4.9	245
Eastside Felton Wier +	69.9	3495
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	119.9	5994
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	69.7	3485
Total Out	78.9	3945

Abbreviated Reach Delivery Factor	0.66

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 65.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 40.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 60.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 88.2%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 69.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 36.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 75.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 58.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 6, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.8	45.1
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.6	76.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	37.0	0.5	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	5.3	218.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.9	0.9	132.1
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	4.4	172.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	42.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	98.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	207.8	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	99.7	27.7	1408.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	36.7	5.6	343.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	2.9	37.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	27.7	829.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	23.8	2	QUIST EXCHANGE P	7.0	485.6
5	L SMITH EXCHANGE	4.0	31.7	2	ISOM 1 EXCHANGE	9.8	524.8	2	SCHUREMAN EXCHAN	7.0	470.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	526.0	2	RASMUSSEN EXCHAN	5.1	348.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	449.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 7, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 7	1020.0	0.0	0.0	1020.0	0.00	1020.0	0.0	0.0	0.0	1020.0	0.0	0.0
9	Howell to Chilly		Jun 7	0.0	19.0	0.0	-1001.0	1.00	19.0	17.4	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 7	692.4	32.0	0.0	724.4	0.00	743.4	26.0	6.0	0.0	700.0	-7.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 7	676.0	0.0	0.0	0.0	0.00	743.4	223.8		0.0	476.2	199.8	0.0
6	Reservoir to 2B		Jun 7	671.0	5.0	0.0	0.0	0.00	743.4	4.2	0.8	0.0	472.0	199.0	0.0
5	2B to Leslie		Jun 7	488.0	103.9	0.0	-79.1	0.12	743.4	97.1	6.8	0.0	319.3	168.7	0.0
4	Leslie to Moore		Jun 7	0.0	162.3	0.0	-256.0	0.52	743.4	123.9	38.4	0.0	27.9	-27.9	0.0
2	Moore to blw Munsey		Jun 7	0.0	80.5	45.1	-19.0	0.27	743.4	20.2	30.4	29.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 7	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	512.7	84.0	29.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 7	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 7	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 7	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 7	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 7	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 7	55.6	23.5		20180101	2%
4	Leslie to Moore	Jun 7	167.5	88.5		20180101	2%
2	Moore to blw Munsey	Jun 7	7.6	11.4		20180101	2%
1	Blw Munsey to Arco	Jun 7	0.0	0.0		20180101	2%
	TOTAL		230.7	123.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	203.1
2	18810630	1.7	294.0	107.9
3	18880601	3.2	556.5	203.1
4	18960601	6.4	1113.0	406.2
5	19020301	0.8	140.0	50.8
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	3544.9
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	48367.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37520.0	37520.0	0.0	0.0	16.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	10857.0
Total Storage Loss	-5676.9
Total Storage Deliver	-4021.1
Total Evaporation	-819.1
Accounting Balance	37519.9
Current Res Content	37520.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

37520.0 Reservoir Content Previous Day [ac-ft]
37520.0 Reservoir Content Current Day [ac-ft]
0.0 Physical Change in Storage [ac-ft]

443.9 Storage Allocated to Mackay Reservoir [ac-ft]

-244.8 Stored Flow Losses [ac-ft]
-23.5 2B to Leslie [cfs]
-88.5 Leslie to Moore [cfs]
-11.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-166.5 Storage Delivered [ac-ft]
7.6 Above Reservoir [cfs]
0.8 Reservoir to 2B [cfs]
6.8 2B to Leslie [cfs]
38.4 Leslie to Moore [cfs]
30.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-32.6 Evaporation [ac-ft]

0.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

692.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

692.4 Total Available Natural Flow [cfs]

223.8 Reservoir Rights Diverted [cfs]

230.7 Natural Flow Losses below Reservoir [cfs]
55.6 2B to Leslie [cfs]
167.5 Leslie to Moore [cfs]
7.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

237.8 Natural Flow Delivered [cfs]
-7.6 Above Reservoir Storage Use [cfs]
4.2 Reservoir to 2B [cfs]
97.1 2B to Leslie [cfs]
123.9 Leslie to Moore [cfs]
20.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

692.3 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.5	275
Eastside Felton Wier +	69.8	3490
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	120.4	6019
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	70.6	3530
Total Out	79.8	3990

Abbreviated Reach Delivery Factor	0.66

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 66.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 40.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 61.4 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 88.2%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 69.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 36.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 75.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 58.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 7, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.8	46.7
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.6	77.5
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	37.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	5.3	229.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.9	0.9	133.9
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	0.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	20.0	4.4	180.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	10.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	47.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	44.4
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	101.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	219.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	101.3	26.3	1460.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	36.6	5.6	354.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	2.8	43.1
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	27.6	884.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.8	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	23.8	2	QUIST EXCHANGE P	7.0	499.5
5	L SMITH EXCHANGE	4.0	39.7	2	ISOM 1 EXCHANGE	9.8	544.3	2	SCHUREMAN EXCHAN	7.0	484.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	541.5	2	RASMUSSEN EXCHAN	5.1	358.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	466.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 8, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 8	855.0	1.8	0.0	856.8	0.00	856.8	1.8	0.0	0.0	855.0	0.0	0.0
9	Howell to Chilly		Jun 8	2.6	18.6	0.0	-833.8	0.98	23.0	17.0	1.6	0.0	4.2	-1.6	0.0
8	Chilly to Reservoir	*	Jun 8	655.0	28.5	0.0	680.9	0.00	703.9	24.5	4.0	0.0	660.6	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 8	673.0	0.0	0.0	0.0	0.00	703.9	189.1		0.0	471.4	201.6	0.0
6	Reservoir to 2B		Jun 8	668.0	5.0	0.0	0.0	0.00	703.9	4.2	0.8	0.0	467.3	200.7	0.0
5	2B to Leslie		Jun 8	519.0	94.9	0.0	-54.1	0.08	703.9	89.0	5.9	0.0	340.4	178.6	0.0
4	Leslie to Moore		Jun 8	0.0	173.3	0.0	-279.9	0.54	703.9	130.1	43.2	0.0	26.8	-26.8	0.0
2	Moore to blw Munsey		Jun 8	0.0	80.5	45.1	-18.5	0.28	703.9	19.2	28.1	33.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 8	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	475.0	83.6	33.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 8	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 8	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 8	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 8	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 8	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 8	37.8	16.3		20180101	2%
4	Leslie to Moore	Jun 8	183.5	96.3		20180101	2%
2	Moore to blw Munsey	Jun 8	7.5	11.0		20180101	2%
1	Blw Munsey to Arco	Jun 8	0.0	0.0		20180101	2%
	TOTAL		228.8	123.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	209.5
2	18810630	1.7	294.0	111.3
3	18880601	3.2	556.5	209.5
4	18960601	6.4	1113.0	418.9
5	19020301	0.8	140.0	52.4
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	3889.7
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	48742.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37520.0	37460.0	-60.0	-30.2	12.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	11232.2
Total Storage Loss	-5922.1
Total Storage Deliver	-4187.0
Total Evaporation	-843.3
Accounting Balance	37459.7
Current Res Content	37460.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

37520.0 Reservoir Content Previous Day [ac-ft]
37460.0 Reservoir Content Current Day [ac-ft]
-60.0 Physical Change in Storage [ac-ft]

375.2 Storage Allocated to Mackay Reservoir [ac-ft]

-245.2 Stored Flow Losses [ac-ft]
-16.3 2B to Leslie [cfs]
-96.3 Leslie to Moore [cfs]
-11.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-165.8 Storage Delivered [ac-ft]
5.6 Above Reservoir [cfs]
0.8 Reservoir to 2B [cfs]
5.9 2B to Leslie [cfs]
43.2 Leslie to Moore [cfs]
28.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-24.2 Evaporation [ac-ft]

-60.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

655.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

655.0 Total Available Natural Flow [cfs]

189.1 Reservoir Rights Diverted [cfs]

228.8 Natural Flow Losses below Reservoir [cfs]
37.8 2B to Leslie [cfs]
183.5 Leslie to Moore [cfs]
7.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

236.9 Natural Flow Delivered [cfs]
-5.6 Above Reservoir Storage Use [cfs]
4.2 Reservoir to 2B [cfs]
89.0 2B to Leslie [cfs]
130.1 Leslie to Moore [cfs]
19.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

654.8 Natural Flow Delivered & Lost [cfs]

0.2 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.5	275
Eastside Felton Wier +	73.9	3695
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	124.5	6224
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	4.6	230
Island Wanstrom David +	0.0	0
Eastside OUT	76.0	3800
Total Out	90.3	4515

Abbreviated Reach Delivery Factor	0.73

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 73.6%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.2 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 42.8 cfs
Step 4 - River at Weirs	River at Eastside Out / Abbreviated Reach Delivery Factor	= 58.2 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs / Eastside In	= 88.4%
Step 6 - River at Eastside In	River at Weirs / Upper Reach Delivery Factor	= 65.9 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 44.8 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 75.9%
Step 9 - Eastside River Delivery Factor	River at Eastside Out / River at Eastside In	= 65.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 8, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.8	48.3
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.6	78.7
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	4.4	238.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.9	0.9	135.7
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.0	3.1	187.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.4	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	49.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	46.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	104.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	227.6	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	103.9	27.6	1515.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	44.8	7.0	368.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	1.7	46.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	26.4	937.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	23.8	2	QUIST EXCHANGE P	7.0	513.4
5	L SMITH EXCHANGE	4.0	47.6	2	ISOM 1 EXCHANGE	9.8	563.7	2	SCHUREMAN EXCHAN	7.0	498.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	557.0	2	RASMUSSEN EXCHAN	5.1	369.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	483.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 9, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 9	750.0	1.8	0.0	751.8	0.00	751.8	1.8	0.0	0.0	750.0	0.0	0.0
9	Howell to Chilly		Jun 9	2.6	18.6	0.0	-728.8	0.97	23.0	17.0	1.6	0.0	4.2	-1.6	0.0
8	Chilly to Reservoir	*	Jun 9	886.7	28.5	0.0	912.6	0.00	935.6	24.5	4.0	0.0	892.3	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 9	940.0	0.0	0.0	0.0	0.00	935.6	204.7		0.0	687.6	252.4	0.0
6	Reservoir to 2B		Jun 9	935.0	5.0	0.0	0.0	0.00	935.6	4.2	0.8	0.0	683.4	251.6	0.0
5	2B to Leslie		Jun 9	481.0	94.9	0.0	-359.1	0.38	935.6	89.0	5.9	0.0	331.9	149.1	0.0
4	Leslie to Moore		Jun 9	0.0	173.1	0.0	-248.0	0.52	935.6	129.9	43.1	0.0	30.8	-30.8	0.0
2	Moore to blw Munsey		Jun 9	0.0	80.5	53.0	-15.2	0.25	935.6	23.0	21.7	35.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 9	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		494.1	77.1	35.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 9	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 9	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 9	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 9	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 9	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 9	262.5	96.6		20180101	2%
4	Leslie to Moore	Jun 9	171.1	76.9		20180101	2%
2	Moore to blw Munsey	Jun 9	7.8	7.4		20180101	2%
1	Blw Munsey to Arco	Jun 9	0.0	0.0		20180101	2%
	TOTAL		441.4	180.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	215.8
2	18810630	1.7	294.0	114.6
3	18880601	3.2	556.5	215.8
4	18960601	6.4	1113.0	431.6
5	19020301	0.8	140.0	54.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	4265.3
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	49148.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37460.0	37330.0	-130.0	-65.5	12.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	11638.1
Total Storage Loss	-6280.9
Total Storage Deliver	-4339.9
Total Evaporation	-867.6
Accounting Balance	37329.8
Current Res Content	37330.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

37460.0	Reservoir Content Previous Day [ac-ft]
37330.0	Reservoir Content Current Day [ac-ft]
-130.0	Physical Change in Storage [ac-ft]
406.0	Storage Allocated to Mackay Reservoir [ac-ft]
-358.8	Stored Flow Losses [ac-ft]
-96.6	2B to Leslie [cfs]
-76.9	Leslie to Moore [cfs]
-7.4	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-152.9	Storage Delivered [ac-ft]
5.6	Above Reservoir [cfs]
0.8	Reservoir to 2B [cfs]
5.9	2B to Leslie [cfs]
43.1	Leslie to Moore [cfs]
21.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-24.2	Evaporation [ac-ft]
-129.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

886.7	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
886.7	Total Available Natural Flow [cfs]
204.7	Reservoir Rights Diverted [cfs]
441.4	Natural Flow Losses below Reservoir [cfs]
262.5	2B to Leslie [cfs]
171.1	Leslie to Moore [cfs]
7.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
240.5	Natural Flow Delivered [cfs]
-5.6	Above Reservoir Storage Use [cfs]
4.2	Reservoir to 2B [cfs]
89.0	2B to Leslie [cfs]
129.9	Leslie to Moore [cfs]
23.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
886.6	Natural Flow Delivered & Lost [cfs]
0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	5.9	295
Eastside Felton Wier +	71.1	3555
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	7.9	395
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	130.0	6499
Groundwater to Arco	20.5	1025
Groundwater to Munsey	32.5	1624

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	72.4	3620
Total Out	86.6	4330

Abbreviated Reach Delivery Factor	0.67

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 67.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 54.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 90.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 59.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 45.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 74.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 61.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 9, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	1.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.8	49.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	26.0	0.6	79.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	28.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	4.4	246.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.9	0.9	137.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.0	3.1	193.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.4	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	50.7
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	47.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	107.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	235.6	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	103.9	28.1	1571.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	45.8	7.6	383.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	2.9	52.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	24.1	984.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	7.9	39.5	2	QUIST EXCHANGE P	7.0	527.3
5	L SMITH EXCHANGE	4.0	55.5	2	ISOM 1 EXCHANGE	9.8	583.1	2	SCHUREMAN EXCHAN	7.0	512.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	572.4	2	RASMUSSEN EXCHAN	5.1	379.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	499.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 10, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 10	673.0	0.0	0.0	673.0	0.00	673.0	0.0	0.0	0.0	673.0	0.0	0.0
9	Howell to Chilly		Jun 10	2.0	14.2	0.0	-656.8	0.98	16.2	12.6	1.6	0.0	3.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 10	558.5	28.5	0.0	585.0	0.00	601.2	24.5	4.0	0.0	564.1	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 10	603.0	0.0	0.0	0.0	0.00	601.2	132.1		0.0	432.0	171.0	0.0
6	Reservoir to 2B		Jun 10	603.0	0.0	0.0	0.0	0.00	601.2	0.0	0.0	0.0	432.0	171.0	0.0
5	2B to Leslie		Jun 10	460.0	51.0	0.0	-92.0	0.15	601.2	50.4	0.6	0.0	315.7	144.3	0.0
4	Leslie to Moore		Jun 10	0.1	169.1	0.0	-230.5	0.50	601.2	127.0	42.0	0.0	30.5	-30.4	0.0
2	Moore to blw Munsey		Jun 10	0.0	80.5	53.0	-14.8	0.25	601.2	23.0	22.6	34.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 10	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		369.7	70.8	34.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 10	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 10	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 10	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 10	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 10	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 10	65.9	26.1		20180101	1%
4	Leslie to Moore	Jun 10	158.1	72.3		20180101	1%
2	Moore to blw Munsey	Jun 10	7.5	7.4		20180101	1%
1	Blw Munsey to Arco	Jun 10	0.0	0.0		20180101	1%
	TOTAL		231.5	105.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	222.2
2	18810630	1.7	294.0	118.0
3	18880601	3.2	556.5	222.2
4	18960601	6.4	1113.0	444.3
5	19020301	0.8	140.0	55.5
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	4497.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	49410.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37330.0	37210.0	-120.0	-60.5	16.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	11900.1
Total Storage Loss	-6490.8
Total Storage Deliver	-4480.3
Total Evaporation	-899.3
Accounting Balance	37209.7
Current Res Content	37210.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

37330.0 Reservoir Content Previous Day [ac-ft]
37210.0 Reservoir Content Current Day [ac-ft]
-120.0 Physical Change in Storage [ac-ft]

262.0 Storage Allocated to Mackay Reservoir [ac-ft]

-209.9 Stored Flow Losses [ac-ft]
-26.1 2B to Leslie [cfs]
-72.3 Leslie to Moore [cfs]
-7.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-140.5 Storage Delivered [ac-ft]
5.6 Above Reservoir [cfs]
0.0 Reservoir to 2B [cfs]
0.6 2B to Leslie [cfs]
42.0 Leslie to Moore [cfs]
22.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-31.7 Evaporation [ac-ft]

-120.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

558.5 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

558.5 Total Available Natural Flow [cfs]

132.1 Reservoir Rights Diverted [cfs]

231.5 Natural Flow Losses below Reservoir [cfs]
65.9 2B to Leslie [cfs]
158.1 Leslie to Moore [cfs]
7.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

194.8 Natural Flow Delivered [cfs]
-5.6 Above Reservoir Storage Use [cfs]
0.0 Reservoir to 2B [cfs]
50.4 2B to Leslie [cfs]
127.0 Leslie to Moore [cfs]
23.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

558.4 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.2	360
Eastside Felton Wier +	72.3	3615
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	7.9	395
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	132.5	6624
Groundwater to Arco	20.5	1025
Groundwater to Munsey	32.5	1624

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	71.7	3585
Total Out	85.9	4295

Abbreviated Reach Delivery Factor	0.65

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 65.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 56.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 92.6%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 60.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 45.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 74.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 61.0%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	0.0	0.0	49.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	0.6	81.0
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	31.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	0.0	0.0	246.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.0	3.1	199.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	52.4
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	49.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	111.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	243.5	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	99.9	26.7	1624.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	45.3	7.3	397.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	29.0	3.3	58.8
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	24.6	1033.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	7.9	55.2	2	QUIST EXCHANGE P	7.0	541.2
5	L SMITH EXCHANGE	4.0	63.5	2	ISOM 1 EXCHANGE	9.8	602.6	2	SCHUREMAN EXCHAN	7.0	526.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	587.9	2	RASMUSSEN EXCHAN	5.1	389.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	516.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 11, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 11	614.0	0.0	0.0	614.0	0.00	614.0	0.0	0.0	0.0	614.0	0.0	0.0
9	Howell to Chilly		Jun 11	2.0	14.2	0.0	-597.8	0.97	16.2	12.6	1.6	0.0	3.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 11	515.4	28.5	0.0	541.9	0.00	558.1	24.5	4.0	0.0	521.0	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 11	549.0	0.0	0.0	0.0	0.00	558.1	122.0		0.0	399.0	150.0	0.0
6	Reservoir to 2B		Jun 11	549.0	0.0	0.0	0.0	0.00	558.1	0.0	0.0	0.0	399.0	150.0	0.0
5	2B to Leslie		Jun 11	418.0	91.0	0.0	-40.0	0.07	558.1	86.3	4.7	0.0	283.7	134.3	0.0
4	Leslie to Moore		Jun 11	0.0	167.8	0.0	-195.0	0.47	558.1	125.0	42.8	0.0	26.4	-26.4	0.0
2	Moore to blw Munsey		Jun 11	0.0	78.5	53.0	-11.5	0.21	558.1	20.9	22.8	34.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 11	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 391.2 75.9 34.8

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 11	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 11	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 11	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 11	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 11	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 11	29.1	10.9		20180101	1%
4	Leslie to Moore	Jun 11	132.3	62.7		20180101	1%
2	Moore to blw Munsey	Jun 11	5.5	6.0		20180101	1%
1	Blw Munsey to Arco	Jun 11	0.0	0.0		20180101	1%
	TOTAL		166.9	79.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	228.5
2	18810630	1.7	294.0	121.4
3	18880601	3.2	556.5	228.5
4	18960601	6.4	1113.0	457.0
5	19020301	0.8	140.0	57.1
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	4708.7
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	49652.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37210.0	37120.0	-90.0	-45.4	11.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	12142.2
Total Storage Loss	-6648.7
Total Storage Deliver	-4630.9
Total Evaporation	-922.7
Accounting Balance	37119.9
Current Res Content	37120.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

37210.0 Reservoir Content Previous Day [ac-ft]
37120.0 Reservoir Content Current Day [ac-ft]
-90.0 Physical Change in Storage [ac-ft]

242.0 Storage Allocated to Mackay Reservoir [ac-ft]

-157.9 Stored Flow Losses [ac-ft]
-10.9 2B to Leslie [cfs]
-62.7 Leslie to Moore [cfs]
-6.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-150.6 Storage Delivered [ac-ft]
5.6 Above Reservoir [cfs]
0.0 Reservoir to 2B [cfs]
4.7 2B to Leslie [cfs]
42.8 Leslie to Moore [cfs]
22.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-23.4 Evaporation [ac-ft]

-89.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

515.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

515.4 Total Available Natural Flow [cfs]

122.0 Reservoir Rights Diverted [cfs]

166.9 Natural Flow Losses below Reservoir [cfs]
29.1 2B to Leslie [cfs]
132.3 Leslie to Moore [cfs]
5.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

226.6 Natural Flow Delivered [cfs]
-5.6 Above Reservoir Storage Use [cfs]
0.0 Reservoir to 2B [cfs]
86.3 2B to Leslie [cfs]
125.0 Leslie to Moore [cfs]
20.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

515.5 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.3	365
Eastside Felton Wier +	67.2	3360
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	7.9	395
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	127.5	6374
Groundwater to Arco	20.5	1025
Groundwater to Munsey	32.5	1624

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	69.5	3475
Total Out	83.7	4185

Abbreviated Reach Delivery Factor	0.66

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 65.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 34.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 52.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 95.7%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 55.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 77.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 62.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	0.0	0.0	49.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	0.1	81.1
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	31.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	4.7	256.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.0	3.1	205.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	54.1
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	50.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	114.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	251.4	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	99.9	26.7	1677.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.8	5.9	409.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	3.4	65.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	24.6	1082.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	7.9	70.9	2	QUIST EXCHANGE P	7.0	555.1
5	L SMITH EXCHANGE	4.0	71.4	2	ISOM 1 EXCHANGE	9.8	622.0	2	SCHUREMAN EXCHAN	7.0	539.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	603.4	2	RASMUSSEN EXCHAN	5.1	399.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	533.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 12, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 12	602.0	0.0	0.0	602.0	0.00	602.0	0.0	0.0	0.0	602.0	0.0	0.0
9	Howell to Chilly		Jun 12	2.0	14.2	0.0	-585.8	0.97	16.2	12.6	1.6	0.0	3.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 12	497.5	28.5	0.0	524.0	0.00	540.2	24.5	4.0	0.0	503.1	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 12	523.0	0.0	0.0	0.0	0.00	540.2	123.9		0.0	379.2	143.8	0.0
6	Reservoir to 2B		Jun 12	523.0	0.0	0.0	0.0	0.00	540.2	0.0	0.0	0.0	379.2	143.8	0.0
5	2B to Leslie		Jun 12	368.0	91.0	0.0	-64.0	0.12	540.2	86.3	4.7	0.0	246.5	121.5	0.0
4	Leslie to Moore		Jun 12	0.0	150.0	0.0	-179.4	0.49	540.2	111.5	38.4	0.0	14.8	-14.8	0.0
2	Moore to blw Munsey		Jun 12	0.0	78.5	53.0	5.9	0.00	546.1	20.7	23.8	34.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 12	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		379.5	72.5	34.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 12	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 12	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 12	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 12	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 12	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 12	46.4	17.6		20180101	1%
4	Leslie to Moore	Jun 12	120.2	59.2		20180101	1%
2	Moore to blw Munsey	Jun 12	0.0	0.0		20180101	1%
1	Blw Munsey to Arco	Jun 12	0.0	0.0		20180101	1%
	TOTAL		166.6	76.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	234.8
2	18810630	1.7	294.0	124.8
3	18880601	3.2	556.5	234.8
4	18960601	6.4	1113.0	469.7
5	19020301	0.8	140.0	58.7
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	4924.1
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	49898.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37120.0	37040.0	-80.0	-40.3	14.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	12388.0
Total Storage Loss	-6801.0
Total Storage Deliver	-4774.7
Total Evaporation	-952.0
Accounting Balance	37040.2
Current Res Content	37040.0
Storage Balance Error	0.2

DAILY STORAGE BALANCE

37120.0 Reservoir Content Previous Day [ac-ft]
37040.0 Reservoir Content Current Day [ac-ft]
-80.0 Physical Change in Storage [ac-ft]

245.8 Storage Allocated to Mackay Reservoir [ac-ft]

-152.3 Stored Flow Losses [ac-ft]
-17.6 2B to Leslie [cfs]
-59.2 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-143.9 Storage Delivered [ac-ft]
5.6 Above Reservoir [cfs]
0.0 Reservoir to 2B [cfs]
4.7 2B to Leslie [cfs]
38.4 Leslie to Moore [cfs]
23.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-29.4 Evaporation [ac-ft]

-79.8 Accounting Change in Storage [ac-ft]

0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

497.5 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
5.9 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

503.4 Total Available Natural Flow [cfs]

123.9 Reservoir Rights Diverted [cfs]

166.6 Natural Flow Losses below Reservoir [cfs]
46.4 2B to Leslie [cfs]
120.2 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

212.9 Natural Flow Delivered [cfs]
-5.6 Above Reservoir Storage Use [cfs]
0.0 Reservoir to 2B [cfs]
86.3 2B to Leslie [cfs]
111.5 Leslie to Moore [cfs]
20.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

503.4 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.6	330
Eastside Felton Wier +	51.8	2590
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	7.9	395
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	111.4	5569
Groundwater to Arco	20.5	1025
Groundwater to Munsey	32.5	1624

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	57.2	2860
Total Out	71.4	3570

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.64

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 64.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 36.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 93.9%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 38.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 43.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 75.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 60.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 12, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	0.0	0.0	49.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	0.1	81.2
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	31.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	4.7	265.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	16.0	3.1	211.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	55.9
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	52.4
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	117.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	259.4	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	82.1	23.3	1723.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	43.2	6.4	421.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	7.9	81.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	51.5	25.0	1131.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	7.9	86.5	2	QUIST EXCHANGE P	7.0	568.9
5	L SMITH EXCHANGE	4.0	79.3	2	ISOM 1 EXCHANGE	9.8	641.5	2	SCHUREMAN EXCHAN	7.0	553.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	618.9	2	RASMUSSEN EXCHAN	5.1	409.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	549.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 13, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 13	644.0	0.0	0.0	644.0	0.00	644.0	0.0	0.0	0.0	644.0	0.0	0.0
9	Howell to Chilly		Jun 13	2.0	14.2	0.0	-627.8	0.97	16.2	12.6	1.6	0.0	3.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 13	478.8	28.5	0.0	505.3	0.00	521.5	24.5	4.0	0.0	484.4	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 13	526.0	0.0	0.0	0.0	0.00	521.5	80.0		0.0	404.4	121.6	0.0
6	Reservoir to 2B		Jun 13	526.0	0.0	0.0	0.0	0.00	521.5	0.0	0.0	0.0	404.4	121.6	0.0
5	2B to Leslie		Jun 13	382.0	91.0	0.0	-53.0	0.10	521.5	87.3	3.7	0.0	276.3	105.7	0.0
4	Leslie to Moore		Jun 13	0.0	148.5	0.0	-197.1	0.52	521.5	112.0	36.5	0.0	21.7	-21.7	0.0
2	Moore to blw Munsey		Jun 13	0.0	67.1	53.0	-3.2	0.09	521.5	19.8	13.4	33.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 13	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 336.2 59.2 33.9

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 13	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 13	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 13	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 13	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 13	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 13	40.7	12.3		20180101	1%
4	Leslie to Moore	Jun 13	142.6	54.5		20180101	1%
2	Moore to blw Munsey	Jun 13	1.9	1.3		20180101	1%
1	Blw Munsey to Arco	Jun 13	0.0	0.0		20180101	1%
	TOTAL		185.2	68.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	241.2
2	18810630	1.7	294.0	128.1
3	18880601	3.2	556.5	241.2
4	18960601	6.4	1113.0	482.4
5	19020301	0.8	140.0	60.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	5052.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	50056.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
37040.0	36920.0	-120.0	-60.5	13.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	12546.6
Total Storage Loss	-6936.1
Total Storage Deliver	-4892.1
Total Evaporation	-978.3
Accounting Balance	36920.1
Current Res Content	36920.0
Storage Balance Error	0.1

DAILY STORAGE BALANCE

37040.0 Reservoir Content Previous Day [ac-ft]
36920.0 Reservoir Content Current Day [ac-ft]
-120.0 Physical Change in Storage [ac-ft]

158.7 Storage Allocated to Mackay Reservoir [ac-ft]

-135.1 Stored Flow Losses [ac-ft]
-12.3 2B to Leslie [cfs]
-54.5 Leslie to Moore [cfs]
-1.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-117.4 Storage Delivered [ac-ft]
5.6 Above Reservoir [cfs]
0.0 Reservoir to 2B [cfs]
3.7 2B to Leslie [cfs]
36.5 Leslie to Moore [cfs]
13.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-26.3 Evaporation [ac-ft]

-120.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

478.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

478.8 Total Available Natural Flow [cfs]

80.0 Reservoir Rights Diverted [cfs]

185.2 Natural Flow Losses below Reservoir [cfs]
40.7 2B to Leslie [cfs]
142.6 Leslie to Moore [cfs]
1.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

213.5 Natural Flow Delivered [cfs]
-5.6 Above Reservoir Storage Use [cfs]
0.0 Reservoir to 2B [cfs]
87.3 2B to Leslie [cfs]
112.0 Leslie to Moore [cfs]
19.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

478.7 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.2	360
Eastside Felton Wier +	51.8	2590
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	7.9	395
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	112.0	5599
Groundwater to Arco	20.5	1025
Groundwater to Munsey	32.5	1624

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	56.0	2800
Total Out	70.2	3510

Abbreviated Reach Delivery Factor	0.63

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 64.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 22.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 34.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 94.7%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 36.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 45.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 75.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 60.6%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	0.0	0.0	49.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	0.1	81.3
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	31.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	3.6	272.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	13.0	1.5	214.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	57.6
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	54.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	120.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	267.3	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	82.2	22.6	1768.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	45.3	7.4	436.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	3.7	88.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.1	14.8	1161.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	7.9	102.2	2	QUIST EXCHANGE P	7.0	582.8
5	L SMITH EXCHANGE	4.0	87.3	2	ISOM 1 EXCHANGE	9.8	660.9	2	SCHUREMAN EXCHAN	7.0	567.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	634.3	2	RASMUSSEN EXCHAN	5.1	419.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	566.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 14, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 14	682.0	0.0	0.0	682.0	0.00	682.0	0.0	0.0	0.0	682.0	0.0	0.0
9	Howell to Chilly		Jun 14	2.0	14.2	0.0	-665.8	0.98	16.2	12.6	1.6	0.0	3.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 14	491.7	28.5	0.0	518.2	0.00	534.4	24.5	4.0	0.0	497.3	-5.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 14	513.0	0.0	0.0	0.0	0.00	534.4	114.4		0.0	383.0	130.0	0.0
6	Reservoir to 2B		Jun 14	513.0	0.0	0.0	0.0	0.00	534.4	0.0	0.0	0.0	383.0	130.0	0.0
5	2B to Leslie		Jun 14	370.0	91.0	0.0	-52.0	0.10	534.4	87.3	3.7	0.0	256.8	113.2	0.0
4	Leslie to Moore		Jun 14	0.0	143.0	0.0	-190.0	0.51	534.4	105.1	37.9	0.0	19.8	-19.8	0.0
2	Moore to blw Munsey		Jun 14	0.0	67.1	45.1	-1.1	0.03	534.4	19.2	16.7	31.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 14	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		363.1	63.9	31.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 14	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 14	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 14	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 14	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 14	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 14	38.8	13.2		20180101	1%
4	Leslie to Moore	Jun 14	131.9	58.1		20180101	1%
2	Moore to blw Munsey	Jun 14	0.6	0.5		20180101	1%
1	Blw Munsey to Arco	Jun 14	0.0	0.0		20180101	1%
	TOTAL		171.3	71.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	247.5
2	18810630	1.7	294.0	131.5
3	18880601	3.2	556.5	247.5
4	18960601	6.4	1113.0	495.1
5	19020301	0.8	140.0	61.9
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	5248.9
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	50283.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36920.0	36850.0	-70.0	-35.3	14.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	12773.4
Total Storage Loss	-7078.5
Total Storage Deliver	-5018.9
Total Evaporation	-1006.1
Accounting Balance	36850.0
Current Res Content	36850.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

```
 36920.0 Reservoir Content Previous Day [ac-ft]
 36850.0 Reservoir Content Current Day [ac-ft]
   -70.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
           226.8 Storage Allocated to Mackay Reservoir [ac-ft]

          -142.4 Stored Flow Losses [ac-ft]
               -13.2 2B to Leslie [cfs]
               -58.1 Leslie to Moore [cfs]
                -0.5 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

          -126.7 Storage Delivered [ac-ft]
                 5.6 Above Reservoir [cfs]
                 0.0 Reservoir to 2B [cfs]
                 3.7 2B to Leslie [cfs]
                37.9 Leslie to Moore [cfs]
                16.7 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -27.8 Evaporation [ac-ft]

   -70.1 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.1 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   491.7 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   491.7 Total Available Natural Flow [cfs]
-------------------------------------------------------------
           114.4 Reservoir Rights Diverted [cfs]

           171.3 Natural Flow Losses below Reservoir [cfs]
                38.8 2B to Leslie [cfs]
               131.9 Leslie to Moore [cfs]
                 0.6 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           206.0 Natural Flow Delivered [cfs]
                -5.6 Above Reservoir Storage Use [cfs]
                 0.0 Reservoir to 2B [cfs]
                87.3 2B to Leslie [cfs]
               105.1 Leslie to Moore [cfs]
                19.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   491.7 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.4	370
Eastside Felton Wier +	51.7	2585
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	104.2	5209
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	56.5	2825
Total Out	70.7	3535

Abbreviated Reach Delivery Factor	0.68

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 69.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 31.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 25.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 36.4 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 98.7%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 36.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 81.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 68.4%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	0.0	0.0	49.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	0.1	81.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	31.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	3.6	279.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	7.4	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	5.2	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	11.0	1.7	217.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	59.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	55.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	123.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	275.3	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	1.5	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	78.7	21.3	1810.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.6	6.0	448.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	27.0	3.2	94.8
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.1	13.5	1187.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	596.7
5	L SMITH EXCHANGE	4.0	95.2	2	ISOM 1 EXCHANGE	9.8	680.3	2	SCHUREMAN EXCHAN	7.0	581.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	649.8	2	RASMUSSEN EXCHAN	5.1	429.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	583.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 15, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 15	702.0	0.0	0.0	702.0	0.00	702.0	0.0	0.0	0.0	702.0	0.0	0.0
9	Howell to Chilly		Jun 15	0.0	15.7	0.0	-686.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 15	505.0	23.3	0.0	528.3	0.00	544.0	20.1	3.2	0.0	509.8	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 15	521.3	0.0	0.0	0.0	0.00	544.0	101.5		0.0	408.3	113.0	0.0
6	Reservoir to 2B		Jun 15	514.0	7.3	0.0	0.0	0.00	544.0	0.0	7.3	0.0	408.3	105.7	0.0
5	2B to Leslie		Jun 15	376.0	93.0	0.0	-45.0	0.09	544.0	86.5	6.5	0.0	286.1	89.9	0.0
4	Leslie to Moore		Jun 15	0.0	139.1	0.0	-201.4	0.54	544.0	103.0	36.1	0.0	29.8	-29.8	0.0
2	Moore to blw Munsey		Jun 15	0.0	54.3	45.1	-12.5	0.35	544.0	19.4	3.7	31.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 15	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	344.5	58.4	31.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 15	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 15	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 15	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 15	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 15	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 15	35.7	9.3		20180101	1%
4	Leslie to Moore	Jun 15	153.3	48.2		20180101	1%
2	Moore to blw Munsey	Jun 15	10.5	2.0		20180101	1%
1	Blw Munsey to Arco	Jun 15	0.0	0.0		20180101	1%
	TOTAL		199.5	59.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	253.9
2	18810630	1.7	294.0	134.9
3	18880601	3.2	556.5	253.9
4	18960601	6.4	1113.0	507.8
5	19020301	0.8	140.0	63.5
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	5419.9
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	50484.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36850.0	36790.0	-60.0	-30.2	14.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	12974.8
Total Storage Loss	-7196.5
Total Storage Deliver	-5134.7
Total Evaporation	-1033.8
Accounting Balance	36789.8
Current Res Content	36790.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

```
 36850.0 Reservoir Content Previous Day [ac-ft]
 36790.0 Reservoir Content Current Day [ac-ft]
   -60.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
           201.3 Storage Allocated to Mackay Reservoir [ac-ft]

          -118.0 Stored Flow Losses [ac-ft]
                -9.3 2B to Leslie [cfs]
               -48.2 Leslie to Moore [cfs]
                -2.0 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

          -115.8 Storage Delivered [ac-ft]
                 4.8 Above Reservoir [cfs]
                 7.3 Reservoir to 2B [cfs]
                 6.5 2B to Leslie [cfs]
                36.1 Leslie to Moore [cfs]
                 3.7 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -27.7 Evaporation [ac-ft]

   -60.2 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.2 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   505.0 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   505.0 Total Available Natural Flow [cfs]
-------------------------------------------------------------
           101.5 Reservoir Rights Diverted [cfs]

           199.5 Natural Flow Losses below Reservoir [cfs]
                35.7 2B to Leslie [cfs]
               153.3 Leslie to Moore [cfs]
                10.5 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           204.1 Natural Flow Delivered [cfs]
                -4.8 Above Reservoir Storage Use [cfs]
                 0.0 Reservoir to 2B [cfs]
                86.5 2B to Leslie [cfs]
               103.0 Leslie to Moore [cfs]
                19.4 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   505.1 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
    -0.1 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.1	355
Eastside Felton Wier +	48.9	2445
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	101.1	5054
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	3.2	160
Island Wanstrom David +	0.0	0
Eastside OUT	54.4	2720
Total Out	68.6	3430

Abbreviated Reach Delivery Factor	0.68

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 69.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 31.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 33.4 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 94.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 35.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 42.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 77.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 65.2%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.3	7.3	64.4
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	84.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	31.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	5.0	289.7
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	11.0	1.7	221.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	61.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	57.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	126.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	281.6	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	75.9	20.7	1851.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	42.4	6.9	462.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-0.7	94.8
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	29.9	4.4	1196.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	610.6
5	L SMITH EXCHANGE	4.0	103.1	2	ISOM 1 EXCHANGE	9.8	699.8	2	SCHUREMAN EXCHAN	7.0	595.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	665.3	2	RASMUSSEN EXCHAN	5.1	439.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	599.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 16, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 16	754.0	0.0	0.0	754.0	0.00	754.0	0.0	0.0	0.0	754.0	0.0	0.0
9	Howell to Chilly		Jun 16	0.0	15.7	0.0	-738.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 16	538.2	23.3	0.0	561.5	0.00	577.2	20.1	3.2	0.0	543.0	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 16	529.0	0.0	0.0	0.0	0.00	577.2	126.4		0.0	416.6	112.4	0.0
6	Reservoir to 2B		Jun 16	521.0	8.0	0.0	0.0	0.00	577.2	7.7	0.3	0.0	408.9	112.1	0.0
5	2B to Leslie		Jun 16	383.0	86.0	0.0	-52.0	0.10	577.2	80.6	5.4	0.0	287.5	95.5	0.0
4	Leslie to Moore		Jun 16	0.0	136.5	0.0	-212.4	0.55	577.2	101.6	35.0	0.0	26.5	-26.5	0.0
2	Moore to blw Munsey		Jun 16	0.0	54.3	45.1	-9.4	0.27	577.2	19.2	5.5	29.5	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 16	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	369.7	51.0	29.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 16	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 16	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 16	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 16	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 16	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 16	40.8	11.2		20180101	1%
4	Leslie to Moore	Jun 16	159.4	53.0		20180101	1%
2	Moore to blw Munsey	Jun 16	7.3	2.1		20180101	1%
1	Blw Munsey to Arco	Jun 16	0.0	0.0		20180101	1%
	TOTAL		207.5	66.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	260.2
2	18810630	1.7	294.0	138.2
3	18880601	3.2	556.5	260.2
4	18960601	6.4	1113.0	520.5
5	19020301	0.8	140.0	65.1
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	5640.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	50735.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36790.0	36770.0	-20.0	-10.1	19.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	13225.5
Total Storage Loss	-7328.0
Total Storage Deliver	-5235.8
Total Evaporation	-1072.0
Accounting Balance	36769.7
Current Res Content	36770.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

```
 36790.0 Reservoir Content Previous Day [ac-ft]
 36770.0 Reservoir Content Current Day [ac-ft]
   -20.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
          250.7 Storage Allocated to Mackay Reservoir [ac-ft]

         -131.5 Stored Flow Losses [ac-ft]
              -11.2 2B to Leslie [cfs]
              -53.0 Leslie to Moore [cfs]
               -2.1 Moore blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]
                0.0 Past Arco Gage [cfs]

         -101.2 Storage Delivered [ac-ft]
                4.8 Above Reservoir [cfs]
                0.3 Reservoir to 2B [cfs]
                5.4 2B to Leslie [cfs]
               35.0 Leslie to Moore [cfs]
                5.5 Moore to blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]

          -38.2 Evaporation [ac-ft]

   -20.2 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.2 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   538.2 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   538.2 Total Available Natural Flow [cfs]
-------------------------------------------------------------
           126.4 Reservoir Rights Diverted [cfs]

           207.5 Natural Flow Losses below Reservoir [cfs]
                40.8 2B to Leslie [cfs]
               159.4 Leslie to Moore [cfs]
                 7.3 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           204.3 Natural Flow Delivered [cfs]
                -4.8 Above Reservoir Storage Use [cfs]
                 7.7 Reservoir to 2B [cfs]
                80.6 2B to Leslie [cfs]
               101.6 Leslie to Moore [cfs]
                19.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   538.2 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.1	355
Eastside Felton Wier +	47.8	2390
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	100.0	4999
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	50.8	2540
Total Out	64.0	3200

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.64

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 65.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 21.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 32.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 95.1%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 34.1 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 42.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 77.0%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 62.3%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.3	64.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	87.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	32.0	3.9	297.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	224.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	62.7
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	58.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	130.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	287.9	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	76.4	20.9	1893.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	42.7	6.9	475.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.2	95.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	29.9	5.3	1207.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	624.5
5	L SMITH EXCHANGE	4.0	111.1	2	ISOM 1 EXCHANGE	9.8	719.2	2	SCHUREMAN EXCHAN	7.0	609.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	680.7	2	RASMUSSEN EXCHAN	5.1	449.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	616.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 17, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 17	795.0	0.0	0.0	795.0	0.00	795.0	0.0	0.0	0.0	795.0	0.0	0.0
9	Howell to Chilly		Jun 17	0.0	15.7	0.0	-779.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 17	517.8	23.3	0.0	541.1	0.00	556.8	20.1	3.2	0.0	522.6	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 17	540.0	0.0	0.0	0.0	0.00	556.8	97.7		0.0	424.9	115.1	0.0
6	Reservoir to 2B		Jun 17	532.0	8.0	0.0	0.0	0.00	556.8	7.7	0.3	0.0	417.2	114.8	0.0
5	2B to Leslie		Jun 17	390.0	86.0	0.0	-56.0	0.11	556.8	80.6	5.4	0.0	292.7	97.3	0.0
4	Leslie to Moore		Jun 17	0.0	138.4	0.0	-214.8	0.55	556.8	101.9	36.5	0.0	29.6	-29.6	0.0
2	Moore to blw Munsey		Jun 17	0.0	54.3	45.1	-12.9	0.35	556.8	19.2	4.7	30.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 17	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	341.4	51.7	30.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 17	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 17	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 17	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 17	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 17	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 17	43.9	12.1		20180101	1%
4	Leslie to Moore	Jun 17	161.2	53.6		20180101	1%
2	Moore to blw Munsey	Jun 17	10.3	2.5		20180101	1%
1	Blw Munsey to Arco	Jun 17	0.0	0.0		20180101	1%
	TOTAL		215.4	68.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	266.6
2	18810630	1.7	294.0	141.6
3	18880601	3.2	556.5	266.6
4	18960601	6.4	1113.0	533.2
5	19020301	0.8	140.0	66.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	5803.6
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	50929.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36770.0	36690.0	-80.0	-40.3	18.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	13419.2
Total Storage Loss	-7463.3
Total Storage Deliver	-5338.4
Total Evaporation	-1107.9
Accounting Balance	36689.6
Current Res Content	36690.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

```
 36770.0 Reservoir Content Previous Day [ac-ft]
 36690.0 Reservoir Content Current Day [ac-ft]
   -80.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
          193.8 Storage Allocated to Mackay Reservoir [ac-ft]

         -135.3 Stored Flow Losses [ac-ft]
              -12.1 2B to Leslie [cfs]
              -53.6 Leslie to Moore [cfs]
               -2.5 Moore blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]
                0.0 Past Arco Gage [cfs]

         -102.6 Storage Delivered [ac-ft]
                4.8 Above Reservoir [cfs]
                0.3 Reservoir to 2B [cfs]
                5.4 2B to Leslie [cfs]
               36.5 Leslie to Moore [cfs]
                4.7 Moore to blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]

          -35.9 Evaporation [ac-ft]

   -80.0 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
     0.0 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   517.8 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   517.8 Total Available Natural Flow [cfs]
-------------------------------------------------------------
            97.7 Reservoir Rights Diverted [cfs]

           215.4 Natural Flow Losses below Reservoir [cfs]
                43.9 2B to Leslie [cfs]
               161.2 Leslie to Moore [cfs]
                10.3 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           204.6 Natural Flow Delivered [cfs]
                -4.8 Above Reservoir Storage Use [cfs]
                 7.7 Reservoir to 2B [cfs]
                80.6 2B to Leslie [cfs]
               101.9 Leslie to Moore [cfs]
                19.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   517.7 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.1 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.5	425
Eastside Felton Wier +	48.9	2445
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	102.5	5124
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	54.3	2715
Total Out	67.5	3375

Abbreviated Reach Delivery Factor	0.66

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 67.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 35.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 96.6%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 36.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 79.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 65.1%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.3	65.5
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	90.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	32.0	3.9	305.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	227.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	64.4
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	60.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	133.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	294.3	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	78.3	21.6	1936.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.4	6.4	488.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-0.2	95.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	29.9	4.9	1216.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	638.4
5	L SMITH EXCHANGE	4.0	119.0	2	ISOM 1 EXCHANGE	9.8	738.7	2	SCHUREMAN EXCHAN	7.0	623.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	696.2	2	RASMUSSEN EXCHAN	5.1	460.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	633.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 18, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 18	727.0	0.0	0.0	727.0	0.00	727.0	0.0	0.0	0.0	727.0	0.0	0.0
9	Howell to Chilly		Jun 18	0.0	15.7	0.0	-711.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 18	531.4	23.3	0.0	554.7	0.00	570.4	20.1	3.2	0.0	536.2	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 18	538.0	0.0	0.0	0.0	0.00	570.4	114.6		0.0	421.6	116.4	0.0
6	Reservoir to 2B		Jun 18	530.0	8.0	0.0	0.0	0.00	570.4	7.9	0.1	0.0	413.7	116.3	0.0
5	2B to Leslie		Jun 18	391.0	80.0	0.0	-59.0	0.11	570.4	75.2	4.8	0.0	292.4	98.6	0.0
4	Leslie to Moore		Jun 18	0.0	139.4	0.0	-215.6	0.55	570.4	101.8	37.6	0.0	29.3	-29.3	0.0
2	Moore to blw Munsey		Jun 18	0.0	54.3	45.1	-12.3	0.34	570.4	19.2	4.4	30.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 18	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	353.0	51.7	30.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 18	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 18	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 18	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 18	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 18	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 18	46.0	13.0		20180101	1%
4	Leslie to Moore	Jun 18	161.3	54.4		20180101	1%
2	Moore to blw Munsey	Jun 18	10.1	2.3		20180101	1%
1	Blw Munsey to Arco	Jun 18	0.0	0.0		20180101	1%
	TOTAL		217.4	69.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	272.9
2	18810630	1.7	294.0	145.0
3	18880601	3.2	556.5	272.9
4	18960601	6.4	1113.0	545.9
5	19020301	0.8	140.0	68.2
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6000.6
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	51156.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36690.0	36650.0	-40.0	-20.2	13.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	13646.6
Total Storage Loss	-7601.5
Total Storage Deliver	-5440.9
Total Evaporation	-1134.8
Accounting Balance	36649.4
Current Res Content	36650.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

```
 36690.0 Reservoir Content Previous Day [ac-ft]
 36650.0 Reservoir Content Current Day [ac-ft]
   -40.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
          227.3 Storage Allocated to Mackay Reservoir [ac-ft]

         -138.2 Stored Flow Losses [ac-ft]
              -13.0 2B to Leslie [cfs]
              -54.4 Leslie to Moore [cfs]
               -2.3 Moore blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]
                0.0 Past Arco Gage [cfs]

         -102.5 Storage Delivered [ac-ft]
                4.8 Above Reservoir [cfs]
                0.1 Reservoir to 2B [cfs]
                4.8 2B to Leslie [cfs]
               37.6 Leslie to Moore [cfs]
                4.4 Moore to blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]

          -26.9 Evaporation [ac-ft]

   -40.3 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.3 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   531.4 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   531.4 Total Available Natural Flow [cfs]
-------------------------------------------------------------
           114.6 Reservoir Rights Diverted [cfs]

           217.4 Natural Flow Losses below Reservoir [cfs]
                46.0 2B to Leslie [cfs]
               161.3 Leslie to Moore [cfs]
                10.1 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           199.3 Natural Flow Delivered [cfs]
                -4.8 Above Reservoir Storage Use [cfs]
                 7.9 Reservoir to 2B [cfs]
                75.2 2B to Leslie [cfs]
               101.8 Leslie to Moore [cfs]
                19.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   531.3 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.1 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.3	415
Eastside Felton Wier +	48.1	2405
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	101.5	5074
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	54.4	2720
Total Out	67.6	3380

Abbreviated Reach Delivery Factor	0.67

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 68.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 34.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 96.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 35.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 80.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 65.9%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	65.6
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	93.3
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	3.3	311.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	230.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	66.1
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	61.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	136.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	300.6	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	78.9	22.6	1980.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.5	6.2	500.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-0.3	95.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	29.9	4.7	1226.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

EXCHANGE PUMP	CFS PUMPED	AF YTD	EXCHANGE PUMP	CFS PUMPED	AF YTD	EXCHANGE PUMP	CFS PUMPED	AF YTD
8 Neilsen Injectio	0.0	0.0	2 POTTER EXCHANGE	0.0	0.0	2 ISOM 2 EXCHANGE	0.0	0.0
5 JM SMITH EXCHANG	0.0	0.0	2 JENSEN EXCHANGE	0.0	102.2	2 QUIST EXCHANGE P	7.0	652.3
5 L SMITH EXCHANGE	4.0	126.9	2 ISOM 1 EXCHANGE	9.8	758.1	2 SCHUREMAN EXCHAN	7.0	636.9
5 PEHRSON EXCHANGE	0.0	0.0	2 PARKINSON EXCHAN	7.8	711.7	2 RASMUSSEN EXCHAN	5.1	470.1
2 FOLKMAN EXCHANGE	0.0	0.0	2 MCDONALD EXCHANG	8.4	649.8	2 WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 19, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 19	665.0	0.0	0.0	665.0	0.00	665.0	0.0	0.0	0.0	665.0	0.0	0.0
9	Howell to Chilly		Jun 19	0.0	15.7	0.0	-649.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 19	503.8	23.3	0.0	527.1	0.00	542.8	20.1	3.2	0.0	508.6	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 19	536.0	0.0	0.0	0.0	0.00	542.8	101.3		0.0	407.3	128.7	0.0
6	Reservoir to 2B		Jun 19	528.0	8.0	0.0	0.0	0.00	542.8	7.9	0.1	0.0	399.3	128.7	0.0
5	2B to Leslie		Jun 19	392.0	80.0	0.0	-56.0	0.11	542.8	75.2	4.8	0.0	281.8	110.2	0.0
4	Leslie to Moore		Jun 19	0.0	139.5	0.0	-215.8	0.55	542.8	102.4	37.1	0.0	24.3	-24.3	0.0
2	Moore to blw Munsey		Jun 19	0.0	56.4	45.1	-11.0	0.30	542.8	17.0	8.7	30.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 19	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		338.1	55.5	30.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 19	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 19	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 19	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 19	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 19	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 19	42.4	13.6		20180101	1%
4	Leslie to Moore	Jun 19	155.1	60.7		20180101	1%
2	Moore to blw Munsey	Jun 19	7.3	3.7		20180101	1%
1	Blw Munsey to Arco	Jun 19	0.0	0.0		20180101	1%
	TOTAL		204.8	78.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	279.3
2	18810630	1.7	294.0	148.4
3	18880601	3.2	556.5	279.3
4	18960601	6.4	1113.0	558.6
5	19020301	0.8	140.0	69.8
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6171.3
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	51357.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36650.0	36560.0	-90.0	-45.4	13.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	13847.6
Total Storage Loss	-7756.2
Total Storage Deliver	-5551.0
Total Evaporation	-1160.9
Accounting Balance	36559.4
Current Res Content	36560.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

36650.0 Reservoir Content Previous Day [ac-ft]
36560.0 Reservoir Content Current Day [ac-ft]
-90.0 Physical Change in Storage [ac-ft]

201.0 Storage Allocated to Mackay Reservoir [ac-ft]

-154.7 Stored Flow Losses [ac-ft]
-13.6 2B to Leslie [cfs]
-60.7 Leslie to Moore [cfs]
-3.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-110.1 Storage Delivered [ac-ft]
4.8 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
4.8 2B to Leslie [cfs]
37.1 Leslie to Moore [cfs]
8.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-26.1 Evaporation [ac-ft]

-89.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

503.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

503.8 Total Available Natural Flow [cfs]

101.3 Reservoir Rights Diverted [cfs]

204.8 Natural Flow Losses below Reservoir [cfs]
42.4 2B to Leslie [cfs]
155.1 Leslie to Moore [cfs]
7.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

197.7 Natural Flow Delivered [cfs]
-4.8 Above Reservoir Storage Use [cfs]
7.9 Reservoir to 2B [cfs]
75.2 2B to Leslie [cfs]
102.4 Leslie to Moore [cfs]
17.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

503.8 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.1	405
Eastside Felton Wier +	48.8	2440
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	102.0	5099
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	54.7	2735
Total Out	67.9	3395

Abbreviated Reach Delivery Factor	0.67

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 68.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 24.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 35.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 96.1%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 36.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 79.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 65.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 19, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	65.8
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	96.3
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	3.3	318.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	234.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	67.8
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	63.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	139.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	307.0	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	79.0	22.3	2025.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.8	6.3	513.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-0.3	95.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	32.0	9.1	1244.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	666.1
5	L SMITH EXCHANGE	4.0	134.9	2	ISOM 1 EXCHANGE	9.8	777.5	2	SCHUREMAN EXCHAN	7.0	650.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	727.2	2	RASMUSSEN EXCHAN	5.1	480.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	666.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 20, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 20	696.0	0.0	0.0	696.0	0.00	696.0	0.0	0.0	0.0	696.0	0.0	0.0
9	Howell to Chilly		Jun 20	0.0	15.7	0.0	-680.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 20	505.1	23.3	0.0	528.4	0.00	544.1	20.1	3.2	0.0	509.9	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 20	530.0	0.0	0.0	0.0	0.00	544.1	107.9		0.0	402.0	128.0	0.0
6	Reservoir to 2B		Jun 20	522.0	8.0	0.0	0.0	0.00	544.1	7.9	0.1	0.0	394.0	128.0	0.0
5	2B to Leslie		Jun 20	392.0	80.0	0.0	-50.0	0.10	544.1	76.4	3.6	0.0	279.9	112.1	0.0
4	Leslie to Moore		Jun 20	0.0	136.7	0.0	-219.3	0.56	544.1	101.4	35.3	0.0	21.9	-21.9	0.0
2	Moore to blw Munsey		Jun 20	0.0	56.4	45.1	-8.0	0.22	544.1	17.0	11.0	28.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 20	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	344.9	54.8	28.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 20	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 20	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 20	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 20	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 20	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 20	37.7	12.3		20180101	1%
4	Leslie to Moore	Jun 20	156.6	62.7		20180101	1%
2	Moore to blw Munsey	Jun 20	4.8	3.1		20180101	1%
1	Blw Munsey to Arco	Jun 20	0.0	0.0		20180101	1%
	TOTAL		199.1	78.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	285.6
2	18810630	1.7	294.0	151.7
3	18880601	3.2	556.5	285.6
4	18960601	6.4	1113.0	571.2
5	19020301	0.8	140.0	71.4
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6355.0
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	51571.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36560.0	36480.0	-80.0	-40.3	15.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	14061.6
Total Storage Loss	-7911.1
Total Storage Deliver	-5659.7
Total Evaporation	-1191.5
Accounting Balance	36479.3
Current Res Content	36480.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

36560.0 Reservoir Content Previous Day [ac-ft]
36480.0 Reservoir Content Current Day [ac-ft]
-80.0 Physical Change in Storage [ac-ft]

214.1 Storage Allocated to Mackay Reservoir [ac-ft]

-154.9 Stored Flow Losses [ac-ft]
-12.3 2B to Leslie [cfs]
-62.7 Leslie to Moore [cfs]
-3.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-108.6 Storage Delivered [ac-ft]
4.8 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
3.6 2B to Leslie [cfs]
35.3 Leslie to Moore [cfs]
11.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-30.6 Evaporation [ac-ft]

-80.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

505.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

505.1 Total Available Natural Flow [cfs]

107.9 Reservoir Rights Diverted [cfs]

199.1 Natural Flow Losses below Reservoir [cfs]
37.7 2B to Leslie [cfs]
156.6 Leslie to Moore [cfs]
4.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

197.9 Natural Flow Delivered [cfs]
-4.8 Above Reservoir Storage Use [cfs]
7.9 Reservoir to 2B [cfs]
76.4 2B to Leslie [cfs]
101.4 Leslie to Moore [cfs]
17.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

504.9 Natural Flow Delivered & Lost [cfs]

0.2 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.6	380
Eastside Felton Wier +	47.6	2380
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	100.3	5014
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	50.0	2500
Total Out	63.2	3160

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.63

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 63.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 28.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 21.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 34.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 95.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 36.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 76.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 60.0%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	65.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	99.3
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	2.1	322.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	237.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	69.5
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	65.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	142.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	313.3	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	78.1	21.9	2068.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.0	5.7	524.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.7	96.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	32.0	10.3	1264.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	680.0
5	L SMITH EXCHANGE	4.0	142.8	2	ISOM 1 EXCHANGE	9.8	797.0	2	SCHUREMAN EXCHAN	7.0	664.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	742.6	2	RASMUSSEN EXCHAN	5.1	490.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	683.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 21, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 21	651.0	0.0	0.0	651.0	0.00	651.0	0.0	0.0	0.0	651.0	0.0	0.0
9	Howell to Chilly		Jun 21	0.0	15.7	0.0	-635.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 21	524.0	23.3	0.0	547.3	0.00	563.0	20.1	3.2	0.0	528.8	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 21	540.0	0.0	0.0	0.0	0.00	563.0	125.1		0.0	403.7	136.3	0.0
6	Reservoir to 2B		Jun 21	532.0	8.0	0.0	0.0	0.00	563.0	7.9	0.1	0.0	395.8	136.2	0.0
5	2B to Leslie		Jun 21	396.0	80.0	0.0	-56.0	0.11	563.0	76.5	3.5	0.0	277.7	118.3	0.0
4	Leslie to Moore		Jun 21	0.0	137.3	0.0	-217.2	0.55	563.0	100.5	36.8	0.0	24.9	-24.9	0.0
2	Moore to blw Munsey		Jun 21	0.0	56.4	45.1	-13.1	0.31	563.0	17.0	11.4	28.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 21	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	361.2	56.6	28.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 21	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 21	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 21	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 21	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 21	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 21	41.7	14.3		20180101	1%
4	Leslie to Moore	Jun 21	152.3	64.9		20180101	1%
2	Moore to blw Munsey	Jun 21	7.8	5.2		20180101	1%
1	Blw Munsey to Arco	Jun 21	0.0	0.0		20180101	1%
	TOTAL		201.8	84.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	292.0
2	18810630	1.7	294.0	155.1
3	18880601	3.2	556.5	292.0
4	18960601	6.4	1113.0	583.9
5	19020301	0.8	140.0	73.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6572.8
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	51819.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36480.0	36420.0	-60.0	-30.2	14.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	14309.8
Total Storage Loss	-8078.5
Total Storage Deliver	-5772.0
Total Evaporation	-1219.8
Accounting Balance	36419.4
Current Res Content	36420.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

```
 36480.0 Reservoir Content Previous Day [ac-ft]
 36420.0 Reservoir Content Current Day [ac-ft]
   -60.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
           248.1 Storage Allocated to Mackay Reservoir [ac-ft]

          -167.4 Stored Flow Losses [ac-ft]
               -14.3 2B to Leslie [cfs]
               -64.9 Leslie to Moore [cfs]
                -5.2 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

          -112.3 Storage Delivered [ac-ft]
                 4.8 Above Reservoir [cfs]
                 0.1 Reservoir to 2B [cfs]
                 3.5 2B to Leslie [cfs]
                36.8 Leslie to Moore [cfs]
                11.4 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -28.3 Evaporation [ac-ft]

   -59.9 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
     0.1 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   524.0 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   524.0 Total Available Natural Flow [cfs]
-------------------------------------------------------------
           125.1 Reservoir Rights Diverted [cfs]

           201.8 Natural Flow Losses below Reservoir [cfs]
                41.7 2B to Leslie [cfs]
               152.3 Leslie to Moore [cfs]
                 7.8 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           197.1 Natural Flow Delivered [cfs]
                -4.8 Above Reservoir Storage Use [cfs]
                 7.9 Reservoir to 2B [cfs]
                76.5 2B to Leslie [cfs]
               100.5 Leslie to Moore [cfs]
                17.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   524.0 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.8	440
Eastside Felton Wier +	53.8	2690
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	107.7	5384
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	53.6	2680
Total Out	66.8	3340

Abbreviated Reach Delivery Factor	0.62

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 62.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 28.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 25.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 41.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 99.6%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 41.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 39.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 79.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 61.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	66.1
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	102.3
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	2.0	326.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	3.0	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	240.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.2	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	71.2
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	66.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	146.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	319.7	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	78.7	22.1	2112.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	39.6	5.5	535.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.9	98.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	32.0	10.5	1285.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	7.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.8	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	693.9
5	L SMITH EXCHANGE	4.0	150.7	2	ISOM 1 EXCHANGE	9.8	816.4	2	SCHUREMAN EXCHAN	7.0	678.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	758.1	2	RASMUSSEN EXCHAN	5.1	500.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	699.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 22, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 22	597.0	0.0	0.0	597.0	0.00	597.0	0.0	0.0	0.0	597.0	0.0	0.0
9	Howell to Chilly		Jun 22	0.0	15.7	0.0	-581.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 22	495.7	24.2	0.0	519.9	0.00	535.6	21.0	3.2	0.0	500.5	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 22	535.0	0.0	0.0	0.0	0.00	535.6	97.2		0.0	403.3	131.7	0.0
6	Reservoir to 2B		Jun 22	527.0	8.0	0.0	0.0	0.00	535.6	7.9	0.1	0.0	395.4	131.6	0.0
5	2B to Leslie		Jun 22	394.0	84.0	0.0	-49.0	0.09	535.6	80.5	3.5	0.0	278.1	115.9	0.0
4	Leslie to Moore		Jun 22	0.0	138.1	0.0	-217.3	0.55	535.6	100.6	37.5	0.0	24.1	-24.1	0.0
2	Moore to blw Munsey		Jun 22	0.0	56.4	45.1	-11.2	0.29	535.6	17.1	10.3	29.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 22	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	338.4	56.2	29.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 22	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 22	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 22	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 22	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 22	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 22	36.8	12.2		20180101	1%
4	Leslie to Moore	Jun 22	153.4	63.9		20180101	1%
2	Moore to blw Munsey	Jun 22	7.0	4.2		20180101	1%
1	Blw Munsey to Arco	Jun 22	0.0	0.0		20180101	1%
	TOTAL		197.2	80.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	298.3
2	18810630	1.7	294.0	158.5
3	18880601	3.2	556.5	298.3
4	18960601	6.4	1113.0	596.6
5	19020301	0.8	140.0	74.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6735.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52012.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36420.0	36310.0	-110.0	-55.5	16.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	14502.5
Total Storage Loss	-8237.8
Total Storage Deliver	-5883.5
Total Evaporation	-1251.8
Accounting Balance	36309.4
Current Res Content	36310.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

36420.0 Reservoir Content Previous Day [ac-ft]
36310.0 Reservoir Content Current Day [ac-ft]
-110.0 Physical Change in Storage [ac-ft]

192.8 Storage Allocated to Mackay Reservoir [ac-ft]

-159.3 Stored Flow Losses [ac-ft]
-12.2 2B to Leslie [cfs]
-63.9 Leslie to Moore [cfs]
-4.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-111.4 Storage Delivered [ac-ft]
4.8 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
3.5 2B to Leslie [cfs]
37.5 Leslie to Moore [cfs]
10.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-32.0 Evaporation [ac-ft]

-109.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

495.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

495.7 Total Available Natural Flow [cfs]

97.2 Reservoir Rights Diverted [cfs]

197.2 Natural Flow Losses below Reservoir [cfs]
36.8 2B to Leslie [cfs]
153.4 Leslie to Moore [cfs]
7.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

201.3 Natural Flow Delivered [cfs]
-4.8 Above Reservoir Storage Use [cfs]
7.9 Reservoir to 2B [cfs]
80.5 2B to Leslie [cfs]
100.6 Leslie to Moore [cfs]
17.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

495.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.3	465
Eastside Felton Wier +	52.5	2625
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	106.9	5344
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	54.1	2705
Total Out	67.3	3365

Abbreviated Reach Delivery Factor	0.63

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 64.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 25.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 39.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 101.1%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 38.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 81.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 65.1%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	66.3
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	1.5	105.2
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	32.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	2.0	330.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	72.9
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	68.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	149.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	326.0	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.6	22.2	2156.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.0	6.1	547.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.3	98.9
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	32.0	10.0	1305.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	707.8
5	L SMITH EXCHANGE	4.0	158.7	2	ISOM 1 EXCHANGE	9.8	835.8	2	SCHUREMAN EXCHAN	7.0	692.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	773.6	2	RASMUSSEN EXCHAN	5.1	510.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	716.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 23, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 23	554.0	0.0	0.0	554.0	0.00	554.0	0.0	0.0	0.0	554.0	0.0	0.0
9	Howell to Chilly		Jun 23	0.0	15.7	0.0	-538.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 23	468.6	24.2	0.0	492.8	0.00	508.5	21.0	3.2	0.0	473.4	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 23	525.0	0.0	0.0	0.0	0.00	508.5	76.6		0.0	396.8	128.2	0.0
6	Reservoir to 2B		Jun 23	517.0	8.0	0.0	0.0	0.00	508.5	7.9	0.1	0.0	388.9	128.1	0.0
5	2B to Leslie		Jun 23	379.0	80.9	0.0	-57.1	0.11	508.5	73.1	7.8	0.0	272.8	106.2	0.0
4	Leslie to Moore		Jun 23	0.0	138.2	0.0	-206.9	0.55	508.5	102.5	35.7	0.0	21.4	-21.4	0.0
2	Moore to blw Munsey		Jun 23	0.0	56.4	45.1	-6.8	0.20	508.5	17.1	10.0	29.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 23	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	312.4	58.4	29.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 23	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 23	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 23	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 23	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 23	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 23	43.0	14.1		20180101	1%
4	Leslie to Moore	Jun 23	148.9	58.0		20180101	1%
2	Moore to blw Munsey	Jun 23	4.3	2.5		20180101	1%
1	Blw Munsey to Arco	Jun 23	0.0	0.0		20180101	1%
	TOTAL		196.2	74.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	304.7
2	18810630	1.7	294.0	161.9
3	18880601	3.2	556.5	304.7
4	18960601	6.4	1113.0	609.3
5	19020301	0.8	140.0	76.2
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6856.8
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52164.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36310.0	36170.0	-140.0	-70.6	14.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	14654.5
Total Storage Loss	-8385.8
Total Storage Deliver	-5999.3
Total Evaporation	-1280.0
Accounting Balance	36169.3
Current Res Content	36170.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

36310.0	Reservoir Content Previous Day [ac-ft]
36170.0	Reservoir Content Current Day [ac-ft]
-140.0	Physical Change in Storage [ac-ft]
151.9	Storage Allocated to Mackay Reservoir [ac-ft]
-148.0	Stored Flow Losses [ac-ft]
-14.1	2B to Leslie [cfs]
-58.0	Leslie to Moore [cfs]
-2.5	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-115.9	Storage Delivered [ac-ft]
4.8	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
7.8	2B to Leslie [cfs]
35.7	Leslie to Moore [cfs]
10.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-28.2	Evaporation [ac-ft]
-140.2	Accounting Change in Storage [ac-ft]
-0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

468.6	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
468.6	Total Available Natural Flow [cfs]
76.6	Reservoir Rights Diverted [cfs]
196.2	Natural Flow Losses below Reservoir [cfs]
43.0	2B to Leslie [cfs]
148.9	Leslie to Moore [cfs]
4.3	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
195.8	Natural Flow Delivered [cfs]
-4.8	Above Reservoir Storage Use [cfs]
7.9	Reservoir to 2B [cfs]
73.1	2B to Leslie [cfs]
102.5	Leslie to Moore [cfs]
17.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
468.6	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.6	430
Eastside Felton Wier +	47.7	2385
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	490
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	101.4	5069
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1229

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	51.1	2555
Total Out	64.3	3215

Abbreviated Reach Delivery Factor	0.63

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 64.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 21.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 33.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 99.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 33.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 41.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 80.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 64.4%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	66.4
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	5.3	115.7
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	30.9	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	28.0	2.5	335.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	8.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	74.6
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	69.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	152.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	332.4	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	78.7	22.3	2200.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	41.5	6.3	560.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.2	99.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	32.0	9.8	1324.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	721.7
5	L SMITH EXCHANGE	4.0	166.6	2	ISOM 1 EXCHANGE	9.8	855.3	2	SCHUREMAN EXCHAN	7.0	706.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	789.0	2	RASMUSSEN EXCHAN	5.1	520.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	733.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 24, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 24	544.0	0.0	0.0	544.0	0.00	544.0	0.0	0.0	0.0	544.0	0.0	0.0
9	Howell to Chilly		Jun 24	0.0	15.7	0.0	-528.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 24	440.0	24.2	0.0	464.2	0.00	479.9	21.0	3.2	0.0	444.8	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 24	496.0	0.0	0.0	0.0	0.00	479.9	65.9		0.0	378.9	117.1	0.0
6	Reservoir to 2B		Jun 24	488.0	8.0	0.0	0.0	0.00	479.9	7.9	0.1	0.0	370.9	117.1	0.0
5	2B to Leslie		Jun 24	359.0	80.9	0.0	-48.1	0.10	479.9	73.1	7.8	0.0	261.2	97.8	0.0
4	Leslie to Moore		Jun 24	0.0	123.9	0.0	-211.7	0.59	479.9	90.0	33.9	0.0	17.1	-17.1	0.0
2	Moore to blw Munsey		Jun 24	0.0	56.4	45.1	0.0	0.00	479.9	17.1	6.2	33.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 24	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	289.2	52.8	33.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 24	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 24	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 24	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 24	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 24	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 24	36.6	11.5		20180101	1%
4	Leslie to Moore	Jun 24	154.1	57.6		20180101	1%
2	Moore to blw Munsey	Jun 24	0.0	0.0		20180101	1%
1	Blw Munsey to Arco	Jun 24	0.0	0.0		20180101	1%
	TOTAL		190.7	69.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	311.0
2	18810630	1.7	294.0	165.2
3	18880601	3.2	556.5	311.0
4	18960601	6.4	1113.0	622.0
5	19020301	0.8	140.0	77.8
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	6957.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52295.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36170.0	36030.0	-140.0	-70.6	14.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	14785.2
Total Storage Loss	-8522.9
Total Storage Deliver	-6104.0
Total Evaporation	-1308.9
Accounting Balance	36029.4
Current Res Content	36030.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

36170.0 Reservoir Content Previous Day [ac-ft]
36030.0 Reservoir Content Current Day [ac-ft]
-140.0 Physical Change in Storage [ac-ft]

130.7 Storage Allocated to Mackay Reservoir [ac-ft]

-137.1 Stored Flow Losses [ac-ft]
-11.5 2B to Leslie [cfs]
-57.6 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-104.8 Storage Delivered [ac-ft]
4.8 Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
7.8 2B to Leslie [cfs]
33.9 Leslie to Moore [cfs]
6.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.9 Evaporation [ac-ft]

-140.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

440.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

440.0 Total Available Natural Flow [cfs]

65.9 Reservoir Rights Diverted [cfs]

190.7 Natural Flow Losses below Reservoir [cfs]
36.6 2B to Leslie [cfs]
154.1 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

183.3 Natural Flow Delivered [cfs]
-4.8 Above Reservoir Storage Use [cfs]
7.9 Reservoir to 2B [cfs]
73.1 2B to Leslie [cfs]
90.0 Leslie to Moore [cfs]
17.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

439.9 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	7.6	380
Eastside Felton Wier +	35.5	1775
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	7.8	390
Munsey Schureman (IN) Wells In +	7.0	349
Munsey Telford Isom Wells In +	9.8	492
Munsey Telford Lower Wells In +	0.0	0
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.4	420
Total In	88.2	4411
Groundwater to Arco	20.5	1025
Groundwater to Munsey	24.6	1231

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	7.5	375
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.5	25
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	49.9	2495
Total Out	63.1	3155

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.72	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 73.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 16.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 23.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 98.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 23.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 39.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 84.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 72.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 24, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	8.0	0.1	66.6
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	5.3	126.1
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	30.9	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	28.0	2.5	340.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	8.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	76.3
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	71.4
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	155.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	338.7	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	64.4	19.0	2238.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	39.2	5.5	571.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-1.5	99.2
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	32.0	7.8	1340.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	0.0	0.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	735.6
5	L SMITH EXCHANGE	4.0	174.5	2	ISOM 1 EXCHANGE	9.8	874.8	2	SCHUREMAN EXCHAN	7.0	719.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	7.8	804.5	2	RASMUSSEN EXCHAN	5.1	530.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.4	749.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 25, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 25	571.0	0.0	0.0	571.0	0.00	571.0	0.0	0.0	0.0	571.0	0.0	0.0
9	Howell to Chilly		Jun 25	0.0	15.7	0.0	-555.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 25	433.5	24.2	0.0	457.7	0.00	473.4	21.0	3.2	0.0	438.3	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 25	486.0	0.0	0.0	0.0	0.00	473.4	75.4		0.0	362.9	123.1	0.0
6	Reservoir to 2B		Jun 25	479.0	7.0	0.0	0.0	0.00	473.4	6.9	0.1	0.0	356.0	123.0	0.0
5	2B to Leslie		Jun 25	366.0	72.0	0.0	-41.0	0.09	473.4	64.5	7.5	0.0	261.0	105.0	0.0
4	Leslie to Moore		Jun 25	0.0	117.9	0.0	-214.4	0.59	473.4	87.2	30.7	0.0	20.8	-20.8	0.0
2	Moore to blw Munsey		Jun 25	0.0	62.4	35.1	1.9	0.00	475.3	22.7	12.8	26.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 25	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	291.9	55.9	26.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 25	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 25	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 25	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 25	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 25	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 25	30.5	10.5		20180101	1%
4	Leslie to Moore	Jun 25	152.9	61.5		20180101	1%
2	Moore to blw Munsey	Jun 25	0.0	0.0		20180101	1%
1	Blw Munsey to Arco	Jun 25	0.0	0.0		20180101	1%
	TOTAL		183.4	72.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	317.4
2	18810630	1.7	294.0	168.6
3	18880601	3.2	556.5	317.4
4	18960601	6.4	1113.0	634.7
5	19020301	0.8	140.0	79.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	7076.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52444.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
36030.0	35900.0	-130.0	-65.5	13.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	14934.8
Total Storage Loss	-8665.7
Total Storage Deliver	-6214.9
Total Evaporation	-1334.8
Accounting Balance	35899.4
Current Res Content	35900.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

36030.0	Reservoir Content Previous Day [ac-ft]
35900.0	Reservoir Content Current Day [ac-ft]
-130.0	Physical Change in Storage [ac-ft]
149.6	Storage Allocated to Mackay Reservoir [ac-ft]
-142.8	Stored Flow Losses [ac-ft]
-10.5	2B to Leslie [cfs]
-61.5	Leslie to Moore [cfs]
0.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-110.9	Storage Delivered [ac-ft]
4.8	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
7.5	2B to Leslie [cfs]
30.7	Leslie to Moore [cfs]
12.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-25.9	Evaporation [ac-ft]
-130.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

433.5	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
1.9	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
435.4	Total Available Natural Flow [cfs]
75.4	Reservoir Rights Diverted [cfs]
183.4	Natural Flow Losses below Reservoir [cfs]
30.5	2B to Leslie [cfs]
152.9	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
176.5	Natural Flow Delivered [cfs]
-4.8	Above Reservoir Storage Use [cfs]
6.9	Reservoir to 2B [cfs]
64.5	2B to Leslie [cfs]
87.2	Leslie to Moore [cfs]
22.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
435.3	Natural Flow Delivered & Lost [cfs]
0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.0	400
Eastside Felton Wier +	33.3	1665
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	76.4	3819
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	50.7	2535
Total Out	57.0	2850

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.75

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 76.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 26.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 31.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 92.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 33.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 29.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 84.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 70.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.1	66.7
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	5.3	136.5
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	2.3	344.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.9	0.9	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	158.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	345.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	72.6	22.2	2282.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	29.6	5.2	581.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.2	99.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	38.0	14.0	1367.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	17.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	749.4
5	L SMITH EXCHANGE	4.0	182.5	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	732.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	540.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	765.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 26, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 26	549.0	0.0	0.0	549.0	0.00	549.0	0.0	0.0	0.0	549.0	0.0	0.0
9	Howell to Chilly		Jun 26	0.0	15.7	0.0	-533.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 26	438.3	24.2	0.0	462.5	0.00	478.2	21.0	3.2	0.0	443.1	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 26	497.0	0.0	0.0	0.0	0.00	478.2	73.5		0.0	369.6	127.4	0.0
6	Reservoir to 2B		Jun 26	490.0	7.0	0.0	0.0	0.00	478.2	6.9	0.1	0.0	362.7	127.3	0.0
5	2B to Leslie		Jun 26	383.0	72.0	0.0	-35.0	0.07	478.2	63.9	8.1	0.0	272.9	110.1	0.0
4	Leslie to Moore		Jun 26	0.0	118.2	0.0	-223.9	0.58	478.2	88.4	29.7	0.0	24.9	-24.9	0.0
2	Moore to blw Munsey		Jun 26	0.0	63.4	35.1	-4.5	0.11	478.2	22.2	14.2	27.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 26	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	290.0	56.9	27.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 26	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 26	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 26	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 26	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 26	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 26	25.9	9.1		20180101	1%
4	Leslie to Moore	Jun 26	159.5	64.4		20180101	1%
2	Moore to blw Munsey	Jun 26	2.8	1.8		20180101	1%
1	Blw Munsey to Arco	Jun 26	0.0	0.0		20180101	1%
	TOTAL		188.2	75.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	323.7
2	18810630	1.7	294.0	172.0
3	18880601	3.2	556.5	323.7
4	18960601	6.4	1113.0	647.4
5	19020301	0.8	140.0	80.9
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	7191.8
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52590.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35900.0	35760.0	-140.0	-70.6	11.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	15080.5
Total Storage Loss	-8815.1
Total Storage Deliver	-6327.8
Total Evaporation	-1358.3
Accounting Balance	35759.3
Current Res Content	35760.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

```
 35900.0 Reservoir Content Previous Day [ac-ft]
 35760.0 Reservoir Content Current Day [ac-ft]
  -140.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
           145.8 Storage Allocated to Mackay Reservoir [ac-ft]

          -149.4 Stored Flow Losses [ac-ft]
                -9.1 2B to Leslie [cfs]
               -64.4 Leslie to Moore [cfs]
                -1.8 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

          -113.0 Storage Delivered [ac-ft]
                 4.8 Above Reservoir [cfs]
                 0.1 Reservoir to 2B [cfs]
                 8.1 2B to Leslie [cfs]
                29.7 Leslie to Moore [cfs]
                14.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -23.6 Evaporation [ac-ft]

  -140.2 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.2 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   438.3 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   438.3 Total Available Natural Flow [cfs]
-------------------------------------------------------------
            73.5 Reservoir Rights Diverted [cfs]

           188.2 Natural Flow Losses below Reservoir [cfs]
                25.9 2B to Leslie [cfs]
               159.5 Leslie to Moore [cfs]
                 2.8 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           176.6 Natural Flow Delivered [cfs]
                -4.8 Above Reservoir Storage Use [cfs]
                 6.9 Reservoir to 2B [cfs]
                63.9 2B to Leslie [cfs]
                88.4 Leslie to Moore [cfs]
                22.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   438.3 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.0	450
Eastside Felton Wier +	40.3	2015
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	84.4	4219
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.3	65
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	57.1	2855
Total Out	63.4	3170

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.75

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 76.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 27.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 30.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 39.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 95.6%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 40.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 28.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 87.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 73.5%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.1	66.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	22.0	4.7	145.9
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	3.4	351.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	161.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	351.4	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	74.5	22.1	2326.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	28.6	5.0	591.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-1.2	99.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	15.5	1398.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	34.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	763.3
5	L SMITH EXCHANGE	4.0	190.4	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	745.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	551.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	780.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 27, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 27	541.0	0.0	0.0	541.0	0.00	541.0	0.0	0.0	0.0	541.0	0.0	0.0
9	Howell to Chilly		Jun 27	0.0	15.7	0.0	-525.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 27	496.8	24.2	0.0	521.0	0.00	536.7	21.0	3.2	0.0	501.6	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 27	489.0	0.0	0.0	0.0	0.00	536.7	121.4		0.0	380.1	108.9	0.0
6	Reservoir to 2B		Jun 27	482.0	7.0	0.0	0.0	0.00	536.7	6.5	0.5	0.0	373.7	108.3	0.0
5	2B to Leslie		Jun 27	388.0	68.0	0.0	-26.0	0.05	536.7	62.7	5.3	0.0	290.8	97.2	0.0
4	Leslie to Moore		Jun 27	0.0	123.6	0.0	-220.8	0.57	536.7	96.8	26.8	0.0	28.5	-28.5	0.0
2	Moore to blw Munsey		Jun 27	0.0	63.4	35.1	-9.7	0.22	536.7	22.2	11.7	29.5	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 27	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	344.7	49.1	29.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 27	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 27	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 27	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 27	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 27	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 27	20.2	5.8		20180101	1%
4	Leslie to Moore	Jun 27	165.5	55.3		20180101	1%
2	Moore to blw Munsey	Jun 27	6.3	3.3		20180101	1%
1	Blw Munsey to Arco	Jun 27	0.0	0.0		20180101	1%
	TOTAL		192.0	64.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	330.1
2	18810630	1.7	294.0	175.3
3	18880601	3.2	556.5	330.1
4	18960601	6.4	1113.0	660.1
5	19020301	0.8	140.0	82.5
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	7402.3
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52831.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35760.0	35760.0	0.0	0.0	7.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	15321.4
Total Storage Loss	-8942.8
Total Storage Deliver	-6425.2
Total Evaporation	-1373.8
Accounting Balance	35759.6
Current Res Content	35760.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

35760.0 Reservoir Content Previous Day [ac-ft]
35760.0 Reservoir Content Current Day [ac-ft]
0.0 Physical Change in Storage [ac-ft]

240.9 Storage Allocated to Mackay Reservoir [ac-ft]

-127.7 Stored Flow Losses [ac-ft]
-5.8 2B to Leslie [cfs]
-55.3 Leslie to Moore [cfs]
-3.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-97.4 Storage Delivered [ac-ft]
4.8 Above Reservoir [cfs]
0.5 Reservoir to 2B [cfs]
5.3 2B to Leslie [cfs]
26.8 Leslie to Moore [cfs]
11.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-15.4 Evaporation [ac-ft]

0.4 Accounting Change in Storage [ac-ft]

0.4 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

496.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

496.8 Total Available Natural Flow [cfs]

121.4 Reservoir Rights Diverted [cfs]

192.0 Natural Flow Losses below Reservoir [cfs]
20.2 2B to Leslie [cfs]
165.5 Leslie to Moore [cfs]
6.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

183.4 Natural Flow Delivered [cfs]
-4.8 Above Reservoir Storage Use [cfs]
6.5 Reservoir to 2B [cfs]
62.7 2B to Leslie [cfs]
96.8 Leslie to Moore [cfs]
22.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

496.8 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	0.0	0
Eastside Felton Wier +	43.5	2175
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	78.6	3929
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	59.6	2980
Total Out	64.6	3230

Abbreviated Reach Delivery Factor	0.82

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 84.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 30.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 35.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 82.1%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 43.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 28.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 77.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 69.1%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.5	68.0
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	3.7	153.2
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	20.0	1.6	354.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	165.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	357.8	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	84.0	22.6	2370.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	28.5	5.9	603.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-2.7	99.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	14.4	1426.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	52.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	777.2
5	L SMITH EXCHANGE	4.0	198.3	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	758.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	561.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	796.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 28, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 28	509.0	0.0	0.0	509.0	0.00	509.0	0.0	0.0	0.0	509.0	0.0	0.0
9	Howell to Chilly		Jun 28	0.0	15.7	0.0	-493.3	1.00	15.7	14.1	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 28	439.5	24.2	0.0	463.7	0.00	479.4	21.0	3.2	0.0	444.3	-4.8	0.0
	Connected														
7	Mackay Reservoir	*	Jun 28	477.0	0.0	0.0	0.0	0.00	479.4	83.2		0.0	361.2	115.8	0.0
6	Reservoir to 2B		Jun 28	470.0	7.0	0.0	0.0	0.00	479.4	6.5	0.5	0.0	354.7	115.3	0.0
5	2B to Leslie		Jun 28	379.0	68.0	0.0	-23.0	0.05	479.4	62.9	5.1	0.0	274.4	104.6	0.0
4	Leslie to Moore		Jun 28	0.0	121.2	0.0	-208.1	0.55	479.4	94.2	27.0	0.0	29.6	-29.6	0.0
2	Moore to blw Munsey		Jun 28	0.0	63.4	35.1	-12.4	0.25	479.4	22.2	15.1	26.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 28	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured							TOTAL	304.0	52.5	26.1			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 28	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 28	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 28	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 28	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 28	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 28	17.4	5.6		20180101	1%
4	Leslie to Moore	Jun 28	150.7	57.4		20180101	1%
2	Moore to blw Munsey	Jun 28	7.4	5.0		20180101	1%
1	Blw Munsey to Arco	Jun 28	0.0	0.0		20180101	1%
	TOTAL		175.5	68.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	336.4
2	18810630	1.7	294.0	178.7
3	18880601	3.2	556.5	336.4
4	18960601	6.4	1113.0	672.8
5	19020301	0.8	140.0	84.1
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	7536.9
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	52996.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35760.0	35660.0	-100.0	-50.4	13.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	15486.4
Total Storage Loss	-9077.7
Total Storage Deliver	-6529.3
Total Evaporation	-1399.5
Accounting Balance	35659.9
Current Res Content	35660.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

35760.0	Reservoir Content Previous Day [ac-ft]
35660.0	Reservoir Content Current Day [ac-ft]
-100.0	Physical Change in Storage [ac-ft]
165.0	Storage Allocated to Mackay Reservoir [ac-ft]
-134.9	Stored Flow Losses [ac-ft]
-5.6	2B to Leslie [cfs]
-57.4	Leslie to Moore [cfs]
-5.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-104.2	Storage Delivered [ac-ft]
4.8	Above Reservoir [cfs]
0.5	Reservoir to 2B [cfs]
5.1	2B to Leslie [cfs]
27.0	Leslie to Moore [cfs]
15.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-25.7	Evaporation [ac-ft]
-99.8	Accounting Change in Storage [ac-ft]
0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

439.5	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
439.5	Total Available Natural Flow [cfs]
83.2	Reservoir Rights Diverted [cfs]
175.5	Natural Flow Losses below Reservoir [cfs]
17.4	2B to Leslie [cfs]
150.7	Leslie to Moore [cfs]
7.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
181.0	Natural Flow Delivered [cfs]
-4.8	Above Reservoir Storage Use [cfs]
6.5	Reservoir to 2B [cfs]
62.9	2B to Leslie [cfs]
94.2	Leslie to Moore [cfs]
22.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
439.7	Natural Flow Delivered & Lost [cfs]
-0.2	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.0	500
Eastside Felton Wier +	47.4	2370
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	92.5	4624
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	62.3	3115
Total Out	67.3	3365

Abbreviated Reach Delivery Factor	0.73
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 74.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 26.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 36.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 48.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 97.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 49.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 24.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 88.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 72.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.5	69.0
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	3.7	160.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	20.0	1.4	357.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.9	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.3	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.5	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	168.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.2	3.2	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	82.0	21.6	2413.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	24.6	4.5	612.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-0.7	99.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	15.9	1458.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	6.4	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	69.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	791.1
5	L SMITH EXCHANGE	4.0	206.3	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	770.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	571.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	811.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 29, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 29	498.0	0.0	0.0	498.0	0.00	498.0	0.0	0.0	0.0	498.0	0.0	0.0
9	Howell to Chilly		Jun 29	0.0	15.0	0.0	-483.0	1.00	15.0	13.4	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 29	531.4	19.1	0.0	550.5	0.00	565.5	19.1	0.0	0.0	533.0	-1.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 29	480.0	0.0	0.0	0.0	0.00	565.5	169.2		0.0	363.8	116.2	0.0
6	Reservoir to 2B		Jun 29	473.0	7.0	0.0	0.0	0.00	565.5	6.5	0.5	0.0	357.3	115.7	0.0
5	2B to Leslie		Jun 29	391.0	65.0	0.0	-17.0	0.04	565.5	59.9	5.1	0.0	284.6	106.4	0.0
4	Leslie to Moore		Jun 29	0.0	127.1	0.0	-212.4	0.54	565.5	101.1	26.0	0.0	28.9	-28.9	0.0
2	Moore to blw Munsey		Jun 29	0.0	63.4	35.1	-12.0	0.23	565.5	22.2	17.3	23.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 29	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	391.3	50.5	23.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 29	0.0	0.0		20180101	2%
9	Howell to Chilly	Jun 29	0.0	0.0		20180101	2%
8	Chilly to Reservoir	Jun 29	0.0	0.0		20180101	2%
	Connected						
7	Mackay Reservoir	Jun 29	0.0	0.0		20180101	2%
6	Reservoir to 2B	Jun 29	0.0	0.0		20180101	2%
5	2B to Leslie	Jun 29	12.8	4.2		20180101	2%
4	Leslie to Moore	Jun 29	154.6	57.8		20180101	2%
2	Moore to blw Munsey	Jun 29	6.7	5.3		20180101	2%
1	Blw Munsey to Arco	Jun 29	0.0	0.0		20180101	2%
	TOTAL		174.1	67.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	342.7
2	18810630	1.7	294.0	182.1
3	18880601	3.2	556.5	342.7
4	18960601	6.4	1113.0	685.5
5	19020301	0.8	140.0	85.7
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	7842.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	53331.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35660.0	35740.0	80.0	40.3	11.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	15821.9
Total Storage Loss	-9211.2
Total Storage Deliver	-6629.5
Total Evaporation	-1421.5
Accounting Balance	35739.8
Current Res Content	35740.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

35660.0 Reservoir Content Previous Day [ac-ft]
35740.0 Reservoir Content Current Day [ac-ft]
80.0 Physical Change in Storage [ac-ft]

335.6 Storage Allocated to Mackay Reservoir [ac-ft]

-133.5 Stored Flow Losses [ac-ft]
-4.2 2B to Leslie [cfs]
-57.8 Leslie to Moore [cfs]
-5.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-100.2 Storage Delivered [ac-ft]
1.6 Above Reservoir [cfs]
0.5 Reservoir to 2B [cfs]
5.1 2B to Leslie [cfs]
26.0 Leslie to Moore [cfs]
17.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-22.0 Evaporation [ac-ft]

79.9 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

531.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

531.4 Total Available Natural Flow [cfs]

169.2 Reservoir Rights Diverted [cfs]

174.1 Natural Flow Losses below Reservoir [cfs]
12.8 2B to Leslie [cfs]
154.6 Leslie to Moore [cfs]
6.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

188.1 Natural Flow Delivered [cfs]
-1.6 Above Reservoir Storage Use [cfs]
6.5 Reservoir to 2B [cfs]
59.9 2B to Leslie [cfs]
101.1 Leslie to Moore [cfs]
22.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

531.4 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.9	545
Eastside Felton Wier +	50.9	2545
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	96.9	4844
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	59.6	2980
Total Out	64.6	3230

Abbreviated Reach Delivery Factor	0.67

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 68.2%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 23.9 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 35.7 cfs
Step 4 - River at Weirs	River at Eastside Out / Abbreviated Reach Delivery Factor	= 52.3 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs / Eastside In	= 101.6%
Step 6 - River at Eastside In	River at Weirs / Upper Reach Delivery Factor	= 51.5 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 25.5 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 89.7%
Step 9 - Eastside River Delivery Factor	River at Eastside Out / River at Eastside In	= 69.3%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.5	70.0
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	3.6	167.6
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	1.5	360.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	0.0	243.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	168.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	88.4	22.2	2457.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	25.5	4.4	620.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.5	100.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	16.8	1491.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	87.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	805.0
5	L SMITH EXCHANGE	4.0	214.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	783.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	581.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	826.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jun 30, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jun 30	502.0	0.0	0.0	502.0	0.00	502.0	0.0	0.0	0.0	502.0	0.0	0.0
9	Howell to Chilly		Jun 30	0.0	15.0	0.0	-487.0	1.00	15.0	13.4	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jun 30	478.0	19.1	0.0	497.1	0.00	512.1	19.1	0.0	0.0	479.6	-1.6	0.0
	Connected														
7	Mackay Reservoir	*	Jun 30	477.0	0.0	0.0	0.0	0.00	512.1	123.8		0.0	355.8	121.2	0.0
6	Reservoir to 2B		Jun 30	470.0	7.0	0.0	0.0	0.00	512.1	6.3	0.7	0.0	349.5	120.5	0.0
5	2B to Leslie		Jun 30	395.0	55.0	0.0	-20.0	0.04	512.1	51.8	3.2	0.0	282.8	112.2	0.0
4	Leslie to Moore		Jun 30	0.0	126.5	0.0	-217.5	0.55	512.1	98.8	27.7	0.0	28.3	-28.3	0.0
2	Moore to blw Munsey		Jun 30	0.0	63.4	35.1	-11.0	0.22	512.1	22.2	17.8	23.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jun 30	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	335.4	51.0	23.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jun 30	0.0	0.0		20180101	1%
9	Howell to Chilly	Jun 30	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jun 30	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jun 30	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jun 30	0.0	0.0		20180101	1%
5	2B to Leslie	Jun 30	14.9	5.1		20180101	1%
4	Leslie to Moore	Jun 30	155.7	61.8		20180101	1%
2	Moore to blw Munsey	Jun 30	6.1	4.9		20180101	1%
1	Blw Munsey to Arco	Jun 30	0.0	0.0		20180101	1%
	TOTAL		176.7	71.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	349.1
2	18810630	1.7	294.0	185.5
3	18880601	3.2	556.5	349.1
4	18960601	6.4	1113.0	698.2
5	19020301	0.8	140.0	87.3
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8057.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	53577.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35740.0	35720.0	-20.0	-10.1	11.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16067.5
Total Storage Loss	-9353.6
Total Storage Deliver	-6730.6
Total Evaporation	-1443.5
Accounting Balance	35719.8
Current Res Content	35720.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

35740.0 Reservoir Content Previous Day [ac-ft]
35720.0 Reservoir Content Current Day [ac-ft]
-20.0 Physical Change in Storage [ac-ft]

245.6 Storage Allocated to Mackay Reservoir [ac-ft]

-142.4 Stored Flow Losses [ac-ft]
-5.1 2B to Leslie [cfs]
-61.8 Leslie to Moore [cfs]
-4.9 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-101.2 Storage Delivered [ac-ft]
1.6 Above Reservoir [cfs]
0.7 Reservoir to 2B [cfs]
3.2 2B to Leslie [cfs]
27.7 Leslie to Moore [cfs]
17.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-22.0 Evaporation [ac-ft]

-20.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

478.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

478.0 Total Available Natural Flow [cfs]

123.8 Reservoir Rights Diverted [cfs]

176.7 Natural Flow Losses below Reservoir [cfs]
14.9 2B to Leslie [cfs]
155.7 Leslie to Moore [cfs]
6.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

177.5 Natural Flow Delivered [cfs]
-1.6 Above Reservoir Storage Use [cfs]
6.3 Reservoir to 2B [cfs]
51.8 2B to Leslie [cfs]
98.8 Leslie to Moore [cfs]
22.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

478.0 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	12.4	620
Eastside Felton Wier +	50.5	2525
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	98.0	4899
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	58.9	2945
Total Out	63.9	3195

Abbreviated Reach Delivery Factor	0.65
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 66.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 23.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 35.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 53.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 104.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 51.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 23.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 90.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 69.6%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	71.3
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.7	171.0
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	14.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	1.5	363.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	246.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.4	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	168.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.3	21.9	2501.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	23.0	4.4	629.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.8	102.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	17.0	1525.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	104.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	818.9
5	L SMITH EXCHANGE	4.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	796.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	591.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	842.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 1, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 1	497.0	0.0	0.0	497.0	0.00	497.0	0.0	0.0	0.0	497.0	0.0	0.0
9	Howell to Chilly		Jul 1	0.0	15.0	0.0	-482.0	1.00	15.0	13.4	1.6	0.0	1.6	-1.6	0.0
8	Chilly to Reservoir	*	Jul 1	442.5	19.1	0.0	461.6	0.00	476.6	19.1	0.0	0.0	444.1	-1.6	0.0
	Connected														
7	Mackay Reservoir	*	Jul 1	476.0	0.0	0.0	0.0	0.00	476.6	91.1		0.0	353.0	123.0	0.0
6	Reservoir to 2B		Jul 1	469.0	7.0	0.0	0.0	0.00	476.6	6.3	0.7	0.0	346.6	122.4	0.0
5	2B to Leslie		Jul 1	398.0	48.0	0.0	-23.0	0.05	476.6	45.1	2.9	0.0	284.6	113.4	0.0
4	Leslie to Moore		Jul 1	0.0	128.0	0.0	-219.0	0.55	476.6	98.9	29.1	0.0	29.1	-29.1	0.0
2	Moore to blw Munsey		Jul 1	0.0	63.4	35.1	-12.1	0.24	476.6	22.2	16.7	24.5	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 1	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	296.1	51.0	24.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 1	0.0	0.0		20180101	1%
9	Howell to Chilly	Jul 1	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jul 1	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jul 1	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jul 1	0.0	0.0		20180101	1%
5	2B to Leslie	Jul 1	17.0	6.0		20180101	1%
4	Leslie to Moore	Jul 1	156.6	62.4		20180101	1%
2	Moore to blw Munsey	Jul 1	6.9	5.2		20180101	1%
1	Blw Munsey to Arco	Jul 1	0.0	0.0		20180101	1%
	TOTAL		180.5	73.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	355.4
2	18810630	1.7	294.0	188.8
3	18880601	3.2	556.5	355.4
4	18960601	6.4	1113.0	710.9
5	19020301	0.8	140.0	88.9
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8207.7
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	53758.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35720.0	35630.0	-90.0	-45.4	11.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16248.2
Total Storage Loss	-9499.6
Total Storage Deliver	-6831.8
Total Evaporation	-1467.0
Accounting Balance	35629.8
Current Res Content	35630.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

```
 35720.0 Reservoir Content Previous Day [ac-ft]
 35630.0 Reservoir Content Current Day [ac-ft]
   -90.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
          180.7 Storage Allocated to Mackay Reservoir [ac-ft]

         -146.0 Stored Flow Losses [ac-ft]
               -6.0 2B to Leslie [cfs]
              -62.4 Leslie to Moore [cfs]
               -5.2 Moore blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]
                0.0 Past Arco Gage [cfs]

         -101.2 Storage Delivered [ac-ft]
                1.6 Above Reservoir [cfs]
                0.7 Reservoir to 2B [cfs]
                2.9 2B to Leslie [cfs]
               29.1 Leslie to Moore [cfs]
               16.7 Moore to blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]

          -23.5 Evaporation [ac-ft]

   -90.0 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
     0.0 Balance [ac-ft]
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DAILY NATURAL FLOW BALANCE

```
   442.5 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   442.5 Total Available Natural Flow [cfs]
-------------------------------------------------------------
            91.1 Reservoir Rights Diverted [cfs]

           180.5 Natural Flow Losses below Reservoir [cfs]
                17.0 2B to Leslie [cfs]
               156.6 Leslie to Moore [cfs]
                 6.9 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           170.9 Natural Flow Delivered [cfs]
                -1.6 Above Reservoir Storage Use [cfs]
                 6.3 Reservoir to 2B [cfs]
                45.1 2B to Leslie [cfs]
                98.9 Leslie to Moore [cfs]
                22.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   442.5 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.5	575
Eastside Felton Wier +	49.1	2455
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	95.7	4784
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	60.3	3015
Total Out	65.3	3265

Abbreviated Reach Delivery Factor	0.68

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 69.8%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 24.5 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 35.8 cfs
Step 4 - River at Weirs	River at Eastside Out / Abbreviated Reach Delivery Factor	= 51.3 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs / Eastside In	= 100.5%
Step 6 - River at Eastside In	River at Weirs / Upper Reach Delivery Factor	= 51.0 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 23.5 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 88.6%
Step 9 - Eastside River Delivery Factor	River at Eastside Out / River at Eastside In	= 70.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 1, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	72.6
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.7	174.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	7.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	1.2	365.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.0	17.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.6	250.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.6	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	171.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.0	22.0	2544.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	23.5	4.5	638.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.2	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	16.5	1558.2
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	122.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	832.8
5	L SMITH EXCHANGE	0.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	808.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	601.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	857.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 2, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 2	448.0	0.0	0.0	448.0	0.00	448.0	0.0	0.0	0.0	448.0	0.0	0.0
9	Howell to Chilly		Jul 2	0.0	15.0	0.0	-433.0	1.00	15.0	13.1	1.9	0.0	1.9	-1.9	0.0
8	Chilly to Reservoir	*	Jul 2	418.4	19.1	0.0	437.5	0.00	452.5	19.1	0.0	0.0	420.2	-1.9	0.0
	Connected														
7	Mackay Reservoir	*	Jul 2	462.0	0.0	0.0	0.0	0.00	452.5	75.5		0.0	344.7	117.3	0.0
6	Reservoir to 2B		Jul 2	455.0	7.0	0.0	0.0	0.00	452.5	6.3	0.7	0.0	338.4	116.6	0.0
5	2B to Leslie		Jul 2	391.0	49.0	0.0	-15.0	0.03	452.5	44.7	4.3	0.0	282.6	108.4	0.0
4	Leslie to Moore		Jul 2	0.0	128.0	0.0	-217.7	0.56	452.5	99.2	28.8	0.0	26.0	-26.0	0.0
2	Moore to blw Munsey		Jul 2	0.0	63.4	35.1	-6.7	0.15	452.5	22.2	16.4	24.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 2	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	280.1	52.1	24.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 2	0.0	0.0		20180101	1%
9	Howell to Chilly	Jul 2	0.0	0.0		20180101	1%
8	Chilly to Reservoir	Jul 2	0.0	0.0		20180101	1%
	Connected						
7	Mackay Reservoir	Jul 2	0.0	0.0		20180101	1%
6	Reservoir to 2B	Jul 2	0.0	0.0		20180101	1%
5	2B to Leslie	Jul 2	11.2	3.8		20180101	1%
4	Leslie to Moore	Jul 2	157.3	60.4		20180101	1%
2	Moore to blw Munsey	Jul 2	3.9	2.9		20180101	1%
1	Blw Munsey to Arco	Jul 2	0.0	0.0		20180101	1%
	TOTAL		172.4	67.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	361.8
2	18810630	1.7	294.0	192.2
3	18880601	3.2	556.5	361.8
4	18960601	6.4	1113.0	723.6
5	19020301	0.8	140.0	90.4
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8327.2
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	53908.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35630.0	35520.0	-110.0	-55.5	11.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16398.0
Total Storage Loss	-9632.7
Total Storage Deliver	-6935.1
Total Evaporation	-1490.5
Accounting Balance	35519.7
Current Res Content	35520.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

35630.0	Reservoir Content Previous Day [ac-ft]
35520.0	Reservoir Content Current Day [ac-ft]
-110.0	Physical Change in Storage [ac-ft]
149.8	Storage Allocated to Mackay Reservoir [ac-ft]
-133.1	Stored Flow Losses [ac-ft]
-3.8	2B to Leslie [cfs]
-60.4	Leslie to Moore [cfs]
-2.9	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-103.3	Storage Delivered [ac-ft]
1.9	Above Reservoir [cfs]
0.7	Reservoir to 2B [cfs]
4.3	2B to Leslie [cfs]
28.8	Leslie to Moore [cfs]
16.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-23.5	Evaporation [ac-ft]
-110.1	Accounting Change in Storage [ac-ft]
-0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

418.4	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
418.4	Total Available Natural Flow [cfs]
75.5	Reservoir Rights Diverted [cfs]
172.4	Natural Flow Losses below Reservoir [cfs]
11.2	2B to Leslie [cfs]
157.3	Leslie to Moore [cfs]
3.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
170.5	Natural Flow Delivered [cfs]
-1.9	Above Reservoir Storage Use [cfs]
6.3	Reservoir to 2B [cfs]
44.7	2B to Leslie [cfs]
99.2	Leslie to Moore [cfs]
22.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
418.4	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.6	530
Eastside Felton Wier +	42.7	2135
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	88.4	4419
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	56.1	2805
Total Out	61.1	3055

Abbreviated Reach Delivery Factor	0.69

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 70.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 24.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 31.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 44.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 97.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 45.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 24.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 86.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 69.0%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	73.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.7	177.7
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	8.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	2.6	371.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.3	18.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.9	253.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.6	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	174.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.0	22.0	2588.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	24.1	4.6	647.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	0.0	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	16.4	1590.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	139.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	846.6
5	L SMITH EXCHANGE	0.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	821.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	611.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	873.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 3, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 3	432.0	0.0	0.0	432.0	0.00	432.0	0.0	0.0	0.0	432.0	0.0	0.0
9	Howell to Chilly		Jul 3	0.0	14.0	0.0	-418.0	1.00	14.0	13.1	0.9	0.0	0.9	-0.9	0.0
8	Chilly to Reservoir	*	Jul 3	379.9	19.1	0.0	399.0	0.00	413.0	19.1	0.0	0.0	380.8	-0.9	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 3	452.0	0.0	0.0	379.9	0.00	379.9	42.1		0.0	337.8	114.2	0.0
6	Reservoir to 2B		Jul 3	445.0	7.0	0.0	0.0	0.00	379.9	6.3	0.7	0.0	331.5	113.5	0.0
5	2B to Leslie		Jul 3	379.0	50.0	0.0	-16.0	0.04	379.9	45.7	4.3	0.0	273.8	105.2	0.0
4	Leslie to Moore		Jul 3	0.0	116.9	0.0	-222.4	0.59	379.9	89.1	27.8	0.0	24.1	-24.1	0.0
2	Moore to blw Munsey		Jul 3	0.0	63.4	35.1	-3.2	0.08	379.9	22.2	14.4	26.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 3	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured							TOTAL	237.7	48.1	26.8			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 3	0.0	0.0		19070501	100%
9	Howell to Chilly	Jul 3	0.0	0.0		19070501	100%
8	Chilly to Reservoir	Jul 3	0.0	0.0		20180101	0%
	Disconnected						
7	Mackay Reservoir	Jul 3	0.0	0.0		20180101	0%
6	Reservoir to 2B	Jul 3	0.0	0.0		20180101	0%
5	2B to Leslie	Jul 3	11.9	4.1		20180101	0%
4	Leslie to Moore	Jul 3	160.7	61.7		20180101	0%
2	Moore to blw Munsey	Jul 3	1.9	1.2		20180101	0%
1	Blw Munsey to Arco	Jul 3	0.0	0.0		20180101	0%
	TOTAL		174.5	67.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	368.1
2	18810630	1.7	294.0	195.6
3	18880601	3.2	556.5	368.1
4	18960601	6.4	1113.0	736.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	53991.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35520.0	35350.0	-170.0	-85.7	13.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16481.5
Total Storage Loss	-9765.6
Total Storage Deliver	-7028.7
Total Evaporation	-1517.5
Accounting Balance	35349.7
Current Res Content	35350.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

35520.0	Reservoir Content Previous Day [ac-ft]
35350.0	Reservoir Content Current Day [ac-ft]
-170.0	Physical Change in Storage [ac-ft]
83.5	Storage Allocated to Mackay Reservoir [ac-ft]
-132.9	Stored Flow Losses [ac-ft]
-4.1	2B to Leslie [cfs]
-61.7	Leslie to Moore [cfs]
-1.2	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-93.6	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.7	Reservoir to 2B [cfs]
4.3	2B to Leslie [cfs]
27.8	Leslie to Moore [cfs]
14.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-27.1	Evaporation [ac-ft]
-170.1	Accounting Change in Storage [ac-ft]
-0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

379.9	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
379.9	Total Available Natural Flow [cfs]
42.1	Reservoir Rights Diverted [cfs]
174.5	Natural Flow Losses below Reservoir [cfs]
11.9	2B to Leslie [cfs]
160.7	Leslie to Moore [cfs]
1.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
163.3	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
6.3	Reservoir to 2B [cfs]
45.7	2B to Leslie [cfs]
89.1	Leslie to Moore [cfs]
22.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
379.9	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.7	485
Eastside Felton Wier +	36.3	1815
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	81.1	4054
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	1.1	55
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	55.5	2775
Total Out	60.5	3025

Abbreviated Reach Delivery Factor	0.75

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 76.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 26.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 28.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 37.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 94.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 39.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 24.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 86.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 72.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 3, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	75.2
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.7	181.1
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	2.6	376.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.3	18.8	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.8	257.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.5	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	177.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	79.0	21.1	2630.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	24.2	4.6	656.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-1.1	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	15.5	1621.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	174.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	874.4
5	L SMITH EXCHANGE	0.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	846.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	632.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	904.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 4, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 4	414.0	0.0	0.0	414.0	0.00	414.0	0.0	0.0	0.0	414.0	0.0	0.0
9	Howell to Chilly		Jul 4	0.0	14.0	0.0	-400.0	1.00	14.0	13.1	0.9	0.0	0.9	-0.9	0.0
8	Chilly to Reservoir	*	Jul 4	332.1	19.1	0.0	351.2	0.00	365.2	19.1	0.0	0.0	333.0	-0.9	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 4	450.0	0.0	0.0	332.1	0.00	332.1	14.5		0.0	317.6	132.4	0.0
6	Reservoir to 2B		Jul 4	443.0	7.0	0.0	0.0	0.00	332.1	6.3	0.7	0.0	311.3	131.7	0.0
5	2B to Leslie		Jul 4	374.0	50.0	0.0	-19.0	0.04	332.1	45.7	4.3	0.0	252.2	121.8	0.0
4	Leslie to Moore		Jul 4	0.0	112.3	0.0	-220.3	0.59	332.1	81.3	31.0	0.0	22.3	-22.3	0.0
2	Moore to blw Munsey		Jul 4	0.0	63.4	35.1	-5.5	0.13	332.1	19.3	16.5	27.5	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 4	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	199.4	53.4	27.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 4	0.0	0.0		19070501	100%
9	Howell to Chilly	Jul 4	0.0	0.0		19070501	100%
8	Chilly to Reservoir	Jul 4	0.0	0.0		19070501	100%
	Disconnected						
7	Mackay Reservoir	Jul 4	0.0	0.0		18990509	50%
6	Reservoir to 2B	Jul 4	0.0	0.0		18990509	50%
5	2B to Leslie	Jul 4	13.4	5.6		18990509	50%
4	Leslie to Moore	Jul 4	148.6	71.7		18990509	50%
2	Moore to blw Munsey	Jul 4	3.0	2.5		18990509	50%
1	Blw Munsey to Arco	Jul 4	0.0	0.0		18990509	50%
	TOTAL		165.0	79.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	374.5
2	18810630	1.7	294.0	198.9
3	18880601	3.2	556.5	374.5
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54020.3

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35350.0	35090.0	-260.0	-131.1	13.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16510.3
Total Storage Loss	-9923.9
Total Storage Deliver	-7132.9
Total Evaporation	-1543.8
Accounting Balance	35089.7
Current Res Content	35090.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

35350.0 Reservoir Content Previous Day [ac-ft]
35090.0 Reservoir Content Current Day [ac-ft]
-260.0 Physical Change in Storage [ac-ft]

28.8 Storage Allocated to Mackay Reservoir [ac-ft]

-158.3 Stored Flow Losses [ac-ft]
-5.6 2B to Leslie [cfs]
-71.7 Leslie to Moore [cfs]
-2.5 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-104.2 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.7 Reservoir to 2B [cfs]
4.3 2B to Leslie [cfs]
31.0 Leslie to Moore [cfs]
16.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-26.2 Evaporation [ac-ft]

-259.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

332.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

332.1 Total Available Natural Flow [cfs]

14.5 Reservoir Rights Diverted [cfs]

165.0 Natural Flow Losses below Reservoir [cfs]
13.4 2B to Leslie [cfs]
148.6 Leslie to Moore [cfs]
3.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

152.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
6.3 Reservoir to 2B [cfs]
45.7 2B to Leslie [cfs]
81.3 Leslie to Moore [cfs]
19.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

332.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.6	530
Eastside Felton Wier +	35.7	1785
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	81.4	4069
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	57.9	2895
Total Out	62.4	3120

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.77

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 78.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 27.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 30.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 38.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 93.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 41.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 21.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 85.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 73.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 4, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	76.5
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	1.7	184.4
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	2.6	381.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.3	19.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	1.8	261.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.7	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	177.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	79.0	25.6	2681.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	21.1	2.7	662.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-1.6	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	18.1	1657.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	209.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	902.2
5	L SMITH EXCHANGE	0.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	872.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	652.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	934.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 5, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 5	426.0	0.0	0.0	426.0	0.00	426.0	0.0	0.0	0.0	426.0	0.0	0.0
9	Howell to Chilly		Jul 5	0.0	14.0	0.0	-412.0	1.00	14.0	13.1	0.9	0.0	0.9	-0.9	0.0
8	Chilly to Reservoir	*	Jul 5	298.6	19.1	0.0	317.7	0.00	331.7	19.1	0.0	0.0	299.5	-0.9	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 5	441.0	0.0	0.0	298.6	0.00	298.6	8.1		0.0	290.5	150.5	0.0
6	Reservoir to 2B		Jul 5	434.0	7.0	0.0	0.0	0.00	298.6	6.3	0.7	0.0	284.2	149.8	0.0
5	2B to Leslie		Jul 5	370.0	50.0	0.0	-14.0	0.03	298.6	44.9	5.1	0.0	230.1	139.9	0.0
4	Leslie to Moore		Jul 5	0.0	113.9	0.0	-216.7	0.59	298.6	76.9	37.0	0.0	18.4	-18.4	0.0
2	Moore to blw Munsey		Jul 5	0.0	63.4	35.1	-4.1	0.10	298.6	16.5	18.8	28.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 5	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		184.9	62.5	28.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 5	0.0	0.0		19070501	100%
9	Howell to Chilly	Jul 5	0.0	0.0		19070501	100%
8	Chilly to Reservoir	Jul 5	0.0	0.0		19070501	100%
	Disconnected						
7	Mackay Reservoir	Jul 5	0.0	0.0		18910630	67%
6	Reservoir to 2B	Jul 5	0.0	0.0		18910630	67%
5	2B to Leslie	Jul 5	9.2	4.8		18910630	67%
4	Leslie to Moore	Jul 5	134.8	81.9		18910630	67%
2	Moore to blw Munsey	Jul 5	1.9	2.2		18910630	67%
1	Blw Munsey to Arco	Jul 5	0.0	0.0		18910630	67%
	TOTAL		145.9	88.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	380.8
2	18810630	1.7	294.0	202.3
3	18880601	3.2	556.5	380.8
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54036.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
35090.0	34780.0	-310.0	-156.3	13.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16526.4
Total Storage Loss	-10100.2
Total Storage Deliver	-7255.0
Total Evaporation	-1571.3
Accounting Balance	34779.9
Current Res Content	34780.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

35090.0	Reservoir Content Previous Day [ac-ft]
34780.0	Reservoir Content Current Day [ac-ft]
-310.0	Physical Change in Storage [ac-ft]
16.1	Storage Allocated to Mackay Reservoir [ac-ft]
-176.3	Stored Flow Losses [ac-ft]
-4.8	2B to Leslie [cfs]
-81.9	Leslie to Moore [cfs]
-2.2	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-122.2	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.7	Reservoir to 2B [cfs]
5.1	2B to Leslie [cfs]
37.0	Leslie to Moore [cfs]
18.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-27.6	Evaporation [ac-ft]
-310.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

298.6	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
298.6	Total Available Natural Flow [cfs]
8.1	Reservoir Rights Diverted [cfs]
145.9	Natural Flow Losses below Reservoir [cfs]
9.2	2B to Leslie [cfs]
134.8	Leslie to Moore [cfs]
1.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
144.6	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
6.3	Reservoir to 2B [cfs]
44.9	2B to Leslie [cfs]
76.9	Leslie to Moore [cfs]
16.5	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
298.6	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.3	565
Eastside Felton Wier +	32.7	1635
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	79.1	3954
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	57.4	2870
Total Out	61.9	3095

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.78

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 80.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 28.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 29.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 36.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 92.7%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 39.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 21.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 85.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 74.3%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	0.0	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	0.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	77.9
9	KENT	0.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	0.0	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	2.5	189.5
9	BITTON	0.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	2.6	386.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.9	0.3	19.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	2.5	0.0	80.1	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	2.6	266.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.7	0.0	17.9
9	LONGHURST	2.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	4.0	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	1.7	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	180.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	0.0	0.0	364.1	8	Stoecklein 1	0.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	79.0	26.6	2734.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	21.1	5.3	672.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	0.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-1.9	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	20.7	1698.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.5	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	244.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	929.9
5	L SMITH EXCHANGE	0.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	897.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	672.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	965.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 6, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 6	434.0	4.8	0.0	438.8	0.00	438.8	4.8	0.0	0.0	434.0	0.0	0.0
9	Howell to Chilly		Jul 6	0.0	97.9	0.0	-336.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 6	296.1	48.6	0.0	344.6	0.00	447.3	35.2	13.4	0.0	317.0	-20.9	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 6	426.0	0.0	0.0	296.1	0.00	296.1	8.1		0.0	288.0	138.0	0.0
6	Reservoir to 2B		Jul 6	419.0	7.0	0.0	0.0	0.00	296.1	6.3	0.7	0.0	281.6	137.4	0.0
5	2B to Leslie		Jul 6	356.0	50.0	0.0	-13.0	0.03	296.1	44.9	5.1	0.0	228.0	128.0	0.0
4	Leslie to Moore		Jul 6	0.0	104.9	0.0	-214.4	0.60	296.1	72.6	32.3	0.0	18.1	-18.1	0.0
2	Moore to blw Munsey		Jul 6	0.0	63.4	35.1	-1.3	0.04	296.1	17.4	17.9	28.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 6	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	279.6	76.9	28.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 6	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 6	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 6	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 6	0.0	0.0		18910630	85%
6	Reservoir to 2B	Jul 6	0.0	0.0		18910630	85%
5	2B to Leslie	Jul 6	8.7	4.3		18910630	85%
4	Leslie to Moore	Jul 6	137.3	77.1		18910630	85%
2	Moore to blw Munsey	Jul 6	0.7	0.7		18910630	85%
1	Blw Munsey to Arco	Jul 6	0.0	0.0		18910630	85%
	TOTAL		146.7	82.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	387.2
2	18810630	1.7	294.0	205.7
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54052.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
34780.0	34510.0	-270.0	-136.1	6.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16542.4
Total Storage Loss	-10263.0
Total Storage Deliver	-7366.1
Total Evaporation	-1583.6
Accounting Balance	34509.8
Current Res Content	34510.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

34780.0 Reservoir Content Previous Day [ac-ft]
34510.0 Reservoir Content Current Day [ac-ft]
-270.0 Physical Change in Storage [ac-ft]

16.1 Storage Allocated to Mackay Reservoir [ac-ft]

-162.8 Stored Flow Losses [ac-ft]
-4.3 2B to Leslie [cfs]
-77.1 Leslie to Moore [cfs]
-0.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-111.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.7 Reservoir to 2B [cfs]
5.1 2B to Leslie [cfs]
32.3 Leslie to Moore [cfs]
17.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-12.3 Evaporation [ac-ft]

-270.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

296.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

296.1 Total Available Natural Flow [cfs]

8.1 Reservoir Rights Diverted [cfs]

146.7 Natural Flow Losses below Reservoir [cfs]
8.7 2B to Leslie [cfs]
137.3 Leslie to Moore [cfs]
0.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

141.2 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
6.3 Reservoir to 2B [cfs]
44.9 2B to Leslie [cfs]
72.6 Leslie to Moore [cfs]
17.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

296.0 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	9.7	485
Eastside Felton Wier +	31.4	1570
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	76.2	3809
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	55.0	2750
Total Out	59.5	2975

Abbreviated Reach Delivery Factor	0.78

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 80.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 28.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 26.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 33.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 91.7%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 36.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 19.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 84.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 73.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 6, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	9.9	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	0.7	79.2
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	24.0	2.5	194.5
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	17.0	2.6	391.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	24.5	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	2.3	270.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	4.8	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	184.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	380.0	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	71.5	24.3	2782.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	19.6	4.0	680.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-2.0	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	19.9	1738.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	279.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	957.7
5	L SMITH EXCHANGE	0.0	222.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	923.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	692.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	996.7	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 7, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 7	417.0	4.8	0.0	421.8	0.00	421.8	4.8	0.0	0.0	417.0	0.0	0.0
9	Howell to Chilly		Jul 7	0.0	97.9	0.0	-319.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 7	272.3	48.6	0.0	320.9	0.00	423.6	35.2	13.4	0.0	293.2	-20.9	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 7	448.0	0.0	0.0	272.3	0.00	272.3	4.9		0.0	267.4	180.6	0.0
6	Reservoir to 2B		Jul 7	441.0	7.0	0.0	0.0	0.00	272.3	5.4	1.6	0.0	262.0	179.0	0.0
5	2B to Leslie		Jul 7	361.0	51.0	0.0	-29.0	0.07	272.3	41.1	9.9	0.0	203.6	157.4	0.0
4	Leslie to Moore		Jul 7	0.0	104.4	0.0	-224.4	0.62	272.3	66.4	38.0	0.0	10.7	-10.7	0.0
2	Moore to blw Munsey		Jul 7	0.0	63.4	35.1	1.3	0.00	273.6	12.0	21.5	29.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 7	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	260.1	91.9	29.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 7	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 7	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 7	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 7	0.0	0.0		18870302	75%
6	Reservoir to 2B	Jul 7	0.0	0.0		18870302	75%
5	2B to Leslie	Jul 7	17.2	11.8		18870302	75%
4	Leslie to Moore	Jul 7	126.6	97.8		18870302	75%
2	Moore to blw Munsey	Jul 7	0.0	0.0		18870302	75%
1	Blw Munsey to Arco	Jul 7	0.0	0.0		18870302	75%
	TOTAL		143.8	109.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	393.5
2	18810630	1.7	294.0	209.1
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54062.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
34510.0	34140.0	-370.0	-186.5	10.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16552.1
Total Storage Loss	-10480.4
Total Storage Deliver	-7507.0
Total Evaporation	-1605.1
Accounting Balance	34139.7
Current Res Content	34140.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

34510.0 Reservoir Content Previous Day [ac-ft]
34140.0 Reservoir Content Current Day [ac-ft]
-370.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-217.4 Stored Flow Losses [ac-ft]
-11.8 2B to Leslie [cfs]
-97.8 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-140.9 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
1.6 Reservoir to 2B [cfs]
9.9 2B to Leslie [cfs]
38.0 Leslie to Moore [cfs]
21.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-21.5 Evaporation [ac-ft]

-370.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

272.3 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
1.3 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

273.6 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

143.8 Natural Flow Losses below Reservoir [cfs]
17.2 2B to Leslie [cfs]
126.6 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

124.9 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
5.4 Reservoir to 2B [cfs]
41.1 2B to Leslie [cfs]
66.4 Leslie to Moore [cfs]
12.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

273.6 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	7.9	395
Eastside Felton Wier +	28.2	1410
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	71.2	3559
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	54.6	2730
Total Out	59.1	2955

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.83

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 85.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 24.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 29.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 90.2%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 32.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 19.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 84.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 76.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 7, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	19.8	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	1.6	82.3
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	1.4	197.4
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	8.4	408.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	29.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	278.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.9	0.4	5.6	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	187.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	395.8	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	71.0	25.7	2833.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	19.5	6.5	693.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-2.1	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	24.5	1786.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	314.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	985.5
5	L SMITH EXCHANGE	4.4	239.6	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	948.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	712.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1027.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 8, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 8	403.0	4.8	0.0	407.8	0.00	407.8	4.8	0.0	0.0	403.0	0.0	0.0
9	Howell to Chilly		Jul 8	0.0	97.9	0.0	-305.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 8	266.1	48.4	0.0	314.5	0.00	417.1	35.1	13.3	0.0	286.9	-20.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 8	457.0	0.0	0.0	266.1	0.00	266.1	4.9		0.0	261.2	195.8	0.0
6	Reservoir to 2B		Jul 8	450.0	7.0	0.0	0.0	0.00	266.1	5.4	1.6	0.0	255.8	194.2	0.0
5	2B to Leslie		Jul 8	379.0	53.0	0.0	-18.0	0.04	266.1	42.3	10.7	0.0	203.3	175.7	0.0
4	Leslie to Moore		Jul 8	0.0	109.4	0.0	-231.6	0.61	266.1	62.5	46.9	0.0	16.6	-16.6	0.0
2	Moore to blw Munsey		Jul 8	0.0	63.4	35.1	-10.5	0.28	266.1	12.0	15.5	35.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 8	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	257.2	95.5	35.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 8	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 8	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 8	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 8	0.0	0.0		18860601	68%
6	Reservoir to 2B	Jul 8	0.0	0.0		18860601	68%
5	2B to Leslie	Jul 8	10.2	7.8		18860601	68%
4	Leslie to Moore	Jul 8	124.2	107.4		18860601	68%
2	Moore to blw Munsey	Jul 8	4.6	5.9		18860601	68%
1	Blw Munsey to Arco	Jul 8	0.0	0.0		18860601	68%
	TOTAL		139.0	121.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	399.9
2	18810630	1.7	294.0	212.4
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54071.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
34140.0	33740.0	-400.0	-201.7	10.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16561.9
Total Storage Loss	-10720.6
Total Storage Deliver	-7655.1
Total Evaporation	-1626.4
Accounting Balance	33739.8
Current Res Content	33740.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

34140.0 Reservoir Content Previous Day [ac-ft]
33740.0 Reservoir Content Current Day [ac-ft]
-400.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-240.2 Stored Flow Losses [ac-ft]
-7.8 2B to Leslie [cfs]
-107.4 Leslie to Moore [cfs]
-5.9 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-148.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
1.6 Reservoir to 2B [cfs]
10.7 2B to Leslie [cfs]
46.9 Leslie to Moore [cfs]
15.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-21.3 Evaporation [ac-ft]

-399.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

266.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

266.1 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

139.0 Natural Flow Losses below Reservoir [cfs]
10.2 2B to Leslie [cfs]
124.2 Leslie to Moore [cfs]
4.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

122.2 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
5.4 Reservoir to 2B [cfs]
42.3 2B to Leslie [cfs]
62.5 Leslie to Moore [cfs]
12.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

266.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.3	415
Eastside Felton Wier +	30.4	1520
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	73.8	3689
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	69.6	3480
Total Out	74.1	3705

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.00

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 102.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 33.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 32.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 86.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 38.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 18.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 87.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 88.6%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 8, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	29.8	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	1.6	85.5
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	1.4	200.2
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	9.3	426.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	33.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	286.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.7	0.3	6.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	190.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	411.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	76.0	33.0	2898.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	18.9	6.9	707.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-6.4	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	21.9	1830.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	349.1
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1013.3
5	L SMITH EXCHANGE	4.4	257.1	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	973.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	733.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1058.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 9, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 9	391.0	4.8	0.0	395.8	0.00	395.8	4.8	0.0	0.0	391.0	0.0	0.0
9	Howell to Chilly		Jul 9	0.0	97.9	0.0	-293.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 9	251.9	48.4	0.0	300.3	0.00	403.0	35.1	13.3	0.0	272.8	-20.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 9	453.0	0.0	0.0	251.9	0.00	251.9	4.9		0.0	247.0	206.0	0.0
6	Reservoir to 2B		Jul 9	446.0	7.0	0.0	0.0	0.00	251.9	5.2	1.8	0.0	241.8	204.2	0.0
5	2B to Leslie		Jul 9	379.0	53.0	0.0	-14.0	0.03	251.9	41.3	11.7	0.0	193.0	186.0	0.0
4	Leslie to Moore		Jul 9	0.0	111.0	0.0	-226.1	0.60	251.9	60.5	50.6	0.0	17.4	-17.4	0.0
2	Moore to blw Munsey		Jul 9	0.0	63.4	35.1	-13.0	0.31	251.9	12.0	16.9	34.5	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 9	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	254.0	101.8	34.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 9	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 9	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 9	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 9	0.0	0.0		18860501	59%
6	Reservoir to 2B	Jul 9	0.0	0.0		18860501	59%
5	2B to Leslie	Jul 9	7.6	6.4		18860501	59%
4	Leslie to Moore	Jul 9	115.1	111.0		18860501	59%
2	Moore to blw Munsey	Jul 9	5.4	7.6		18860501	59%
1	Blw Munsey to Arco	Jul 9	0.0	0.0		18860501	59%
	TOTAL		128.1	125.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	406.2
2	18810630	1.7	294.0	215.8
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54081.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
33740.0	33320.0	-420.0	-211.7	10.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16571.6
Total Storage Loss	-10968.5
Total Storage Deliver	-7815.8
Total Evaporation	-1647.6
Accounting Balance	33319.7
Current Res Content	33320.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

33740.0	Reservoir Content Previous Day [ac-ft]
33320.0	Reservoir Content Current Day [ac-ft]
-420.0	Physical Change in Storage [ac-ft]
9.7	Storage Allocated to Mackay Reservoir [ac-ft]
-247.9	Stored Flow Losses [ac-ft]
-6.4	2B to Leslie [cfs]
-111.0	Leslie to Moore [cfs]
-7.6	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-160.6	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
1.8	Reservoir to 2B [cfs]
11.7	2B to Leslie [cfs]
50.6	Leslie to Moore [cfs]
16.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-21.2	Evaporation [ac-ft]
-420.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

251.9	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
251.9	Total Available Natural Flow [cfs]
4.9	Reservoir Rights Diverted [cfs]
128.1	Natural Flow Losses below Reservoir [cfs]
7.6	2B to Leslie [cfs]
115.1	Leslie to Moore [cfs]
5.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
119.0	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
5.2	Reservoir to 2B [cfs]
41.3	2B to Leslie [cfs]
60.5	Leslie to Moore [cfs]
12.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
252.0	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.7	535
Eastside Felton Wier +	34.9	1745
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	80.7	4034
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	73.4	3670
Total Out	77.9	3895

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.97

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 98.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 38.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 39.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 94.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 41.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 17.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 93.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 92.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 9, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	39.7	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	7.0	1.8	89.1
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	20.0	2.4	205.0
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	9.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	9.3	445.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	38.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	294.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.7	0.3	6.7	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	193.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	427.6	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.6	33.9	2965.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	17.6	8.3	723.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-5.6	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	22.5	1874.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.5	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	384.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1041.0
5	L SMITH EXCHANGE	4.4	274.5	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	999.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	753.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1089.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 10, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 10	376.0	4.8	0.0	380.8	0.00	380.8	4.8	0.0	0.0	376.0	0.0	0.0
9	Howell to Chilly		Jul 10	0.0	97.9	0.0	-278.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 10	237.7	47.6	0.0	285.3	0.00	388.0	34.4	13.2	0.0	258.5	-20.7	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 10	449.0	0.0	0.0	237.7	0.00	237.7	4.9		0.0	232.8	216.2	0.0
6	Reservoir to 2B		Jul 10	446.0	3.0	0.0	0.0	0.00	237.7	2.8	0.2	0.0	230.1	215.9	0.0
5	2B to Leslie		Jul 10	371.0	45.0	0.0	-30.0	0.07	237.7	35.6	9.4	0.0	179.0	192.0	0.0
4	Leslie to Moore		Jul 10	0.0	111.0	0.0	-222.5	0.60	237.7	58.8	52.2	0.0	12.8	-12.8	0.0
2	Moore to blw Munsey		Jul 10	0.0	63.4	35.1	-9.8	0.26	237.7	9.5	18.2	35.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 10	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	241.1	100.7	35.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 10	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 10	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 10	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 10	0.0	0.0		18851002	75%
6	Reservoir to 2B	Jul 10	0.0	0.0		18851002	75%
5	2B to Leslie	Jul 10	15.5	14.5		18851002	75%
4	Leslie to Moore	Jul 10	107.4	115.2		18851002	75%
2	Moore to blw Munsey	Jul 10	3.4	6.4		18851002	75%
1	Blw Munsey to Arco	Jul 10	0.0	0.0		18851002	75%
	TOTAL		126.3	136.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	412.6
2	18810630	1.7	294.0	219.2
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54091.3

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
33320.0	32880.0	-440.0	-221.8	10.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16581.3
Total Storage Loss	-11238.5
Total Storage Deliver	-7974.5
Total Evaporation	-1668.6
Accounting Balance	32879.7
Current Res Content	32880.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

33320.0 Reservoir Content Previous Day [ac-ft]
32880.0 Reservoir Content Current Day [ac-ft]
-440.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-270.0 Stored Flow Losses [ac-ft]
-14.5 2B to Leslie [cfs]
-115.2 Leslie to Moore [cfs]
-6.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-158.6 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
9.4 2B to Leslie [cfs]
52.2 Leslie to Moore [cfs]
18.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-21.0 Evaporation [ac-ft]

-439.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

237.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

237.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

126.3 Natural Flow Losses below Reservoir [cfs]
15.5 2B to Leslie [cfs]
107.4 Leslie to Moore [cfs]
3.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

106.7 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.8 Reservoir to 2B [cfs]
35.6 2B to Leslie [cfs]
58.8 Leslie to Moore [cfs]
9.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

237.9 Natural Flow Delivered & Lost [cfs]

-0.2 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.0	550
Eastside Felton Wier +	28.7	1435
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	74.8	3739
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	70.2	3510
Total Out	74.7	3735

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.00

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 101.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 34.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 33.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 90.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 37.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 18.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 90.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 92.0%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	49.6	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.2	89.5
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.1	205.2
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	13.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	9.3	463.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	42.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	302.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	7.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	196.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	443.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.6	35.8	3036.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	18.2	8.6	740.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-4.2	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	22.3	1918.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	418.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1068.8
5	L SMITH EXCHANGE	4.4	292.0	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1024.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	773.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1120.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 11, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 11	350.0	4.8	0.0	354.8	0.00	354.8	4.8	0.0	0.0	350.0	0.0	0.0
9	Howell to Chilly		Jul 11	0.0	97.9	0.0	-252.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 11	236.5	47.6	0.0	284.1	0.00	386.8	34.4	13.2	0.0	257.2	-20.7	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 11	448.0	0.0	0.0	236.5	0.00	236.5	4.9		0.0	231.6	216.4	0.0
6	Reservoir to 2B		Jul 11	445.0	3.0	0.0	0.0	0.00	236.5	2.7	0.3	0.0	228.9	216.1	0.0
5	2B to Leslie		Jul 11	365.0	50.0	0.0	-30.0	0.07	236.5	38.4	11.6	0.0	175.1	189.9	0.0
4	Leslie to Moore		Jul 11	0.0	111.0	0.0	-217.0	0.59	236.5	58.8	52.2	0.0	12.2	-12.2	0.0
2	Moore to blw Munsey		Jul 11	0.0	63.4	35.1	-8.9	0.24	236.5	9.2	18.8	35.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 11	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		243.6	103.6	35.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 11	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 11	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 11	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 11	0.0	0.0		18851002	73%
6	Reservoir to 2B	Jul 11	0.0	0.0		18851002	73%
5	2B to Leslie	Jul 11	15.4	14.6		18851002	73%
4	Leslie to Moore	Jul 11	104.1	112.9		18851002	73%
2	Moore to blw Munsey	Jul 11	2.9	6.0		18851002	73%
1	Blw Munsey to Arco	Jul 11	0.0	0.0		18851002	73%
	TOTAL		122.4	133.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	418.9
2	18810630	1.7	294.0	222.5
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54101.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
32880.0	32430.0	-450.0	-226.9	15.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16591.0
Total Storage Loss	-11503.3
Total Storage Deliver	-8138.9
Total Evaporation	-1699.1
Accounting Balance	32429.8
Current Res Content	32430.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

32880.0 Reservoir Content Previous Day [ac-ft]
32430.0 Reservoir Content Current Day [ac-ft]
-450.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-264.8 Stored Flow Losses [ac-ft]
-14.6 2B to Leslie [cfs]
-112.9 Leslie to Moore [cfs]
-6.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-164.5 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
11.6 2B to Leslie [cfs]
52.2 Leslie to Moore [cfs]
18.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-30.5 Evaporation [ac-ft]

-450.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

236.5 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

236.5 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

122.4 Natural Flow Losses below Reservoir [cfs]
15.4 2B to Leslie [cfs]
104.1 Leslie to Moore [cfs]
2.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

109.1 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.7 Reservoir to 2B [cfs]
38.4 2B to Leslie [cfs]
58.8 Leslie to Moore [cfs]
9.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

236.4 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.4	520
Eastside Felton Wier +	28.9	1445
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	74.4	3719
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	68.9	3445
Total Out	73.4	3670

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.99

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 100.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 33.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 33.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 90.1%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 37.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 18.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 90.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 90.7%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	59.5	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.3	90.2
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.1	205.5
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	16.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	11.5	486.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	47.5	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	310.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	7.3	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	199.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	459.3	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.6	35.8	3107.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	18.3	8.7	758.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.4	-3.7	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	22.6	1963.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	453.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1096.6
5	L SMITH EXCHANGE	4.4	309.4	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1050.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	793.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1151.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 12, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 12	347.0	4.8	0.0	351.8	0.00	351.8	4.8	0.0	0.0	347.0	0.0	0.0
9	Howell to Chilly		Jul 12	0.0	97.9	0.0	-249.1	1.00	102.7	90.3	7.5	0.0	7.5	-7.5	0.0
8	Chilly to Reservoir	*	Jul 12	229.7	47.6	0.0	277.3	0.00	379.9	34.4	13.2	0.0	250.4	-20.7	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 12	446.0	0.0	0.0	229.7	0.00	229.7	4.9		0.0	224.8	221.2	0.0
6	Reservoir to 2B		Jul 12	443.0	3.0	0.0	0.0	0.00	229.7	2.7	0.3	0.0	222.1	220.9	0.0
5	2B to Leslie		Jul 12	361.0	50.0	0.0	-32.0	0.07	229.7	38.4	11.6	0.0	167.6	193.4	0.0
4	Leslie to Moore		Jul 12	0.0	111.4	0.0	-216.6	0.60	229.7	59.8	51.6	0.0	7.3	-7.3	0.0
2	Moore to blw Munsey		Jul 12	0.0	61.5	35.1	-7.7	0.23	229.7	5.6	19.7	36.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 12	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	240.9	103.9	36.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 12	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 12	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 12	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 12	0.0	0.0		18851002	52%
6	Reservoir to 2B	Jul 12	0.0	0.0		18851002	52%
5	2B to Leslie	Jul 12	16.0	16.0		18851002	52%
4	Leslie to Moore	Jul 12	100.6	116.0		18851002	52%
2	Moore to blw Munsey	Jul 12	1.7	6.0		18851002	52%
1	Blw Munsey to Arco	Jul 12	0.0	0.0		18851002	52%
	TOTAL		118.3	138.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	425.3
2	18810630	1.7	294.0	225.9
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54110.7

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
32430.0	31970.0	-460.0	-231.9	15.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16600.7
Total Storage Loss	-11777.0
Total Storage Deliver	-8303.9
Total Evaporation	-1730.0
Accounting Balance	31969.9
Current Res Content	31970.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

32430.0 Reservoir Content Previous Day [ac-ft]
31970.0 Reservoir Content Current Day [ac-ft]
-460.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-273.7 Stored Flow Losses [ac-ft]
-16.0 2B to Leslie [cfs]
-116.0 Leslie to Moore [cfs]
-6.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-165.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
11.6 2B to Leslie [cfs]
51.6 Leslie to Moore [cfs]
19.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-30.9 Evaporation [ac-ft]

-460.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

229.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

229.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

118.3 Natural Flow Losses below Reservoir [cfs]
16.0 2B to Leslie [cfs]
100.6 Leslie to Moore [cfs]
1.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

106.5 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.7 Reservoir to 2B [cfs]
38.4 2B to Leslie [cfs]
59.8 Leslie to Moore [cfs]
5.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

229.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.4	470
Eastside Felton Wier +	24.6	1230
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	69.1	3454
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.6	30
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	65.3	3265
Total Out	69.8	3490

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.01

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 103.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 36.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 29.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 28.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 85.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 33.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 19.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 86.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 88.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 12, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	5.0	5.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	4.8	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.3	90.8
9	KENT	5.3	0.0	0.0	8	Gates/Woods 1	1.6	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	0.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.1	205.7
9	BITTON	5.3	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	6.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	16.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	11.5	509.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	29.5	2.3	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	39.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	318.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	7.7	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	2.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	203.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	8.0	8.0	475.2	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.3	34.8	3177.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	19.9	10.0	778.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	3.2	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	22.5	-2.8	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.0	22.5	2008.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	1.0	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	6.7	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	1.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	488.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1124.3
5	L SMITH EXCHANGE	4.4	326.9	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1075.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	814.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1181.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 13, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 13	337.0	3.0	0.0	340.0	0.00	340.0	3.0	0.0	0.0	337.0	0.0	0.0
9	Howell to Chilly		Jul 13	0.0	84.6	0.0	-252.4	1.00	87.6	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 13	219.8	35.3	0.0	255.1	0.00	342.7	30.2	5.1	0.0	231.6	-11.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 13	443.0	0.0	0.0	219.8	0.00	219.8	4.9		0.0	214.9	228.1	0.0
6	Reservoir to 2B		Jul 13	440.0	3.0	0.0	0.0	0.00	219.8	2.7	0.3	0.0	212.2	227.8	0.0
5	2B to Leslie		Jul 13	356.0	50.0	0.0	-34.0	0.08	219.8	38.5	11.5	0.0	157.3	198.7	0.0
4	Leslie to Moore		Jul 13	0.0	104.0	0.0	-215.2	0.60	219.8	53.7	50.3	0.0	8.5	-8.5	0.0
2	Moore to blw Munsey		Jul 13	0.0	71.0	35.1	-1.5	0.04	219.8	8.1	27.2	35.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 13	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	219.0	101.1	35.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 13	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 13	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 13	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 13	0.0	0.0		18860501	45%
6	Reservoir to 2B	Jul 13	0.0	0.0		18860501	45%
5	2B to Leslie	Jul 13	16.4	17.6		18860501	45%
4	Leslie to Moore	Jul 13	95.1	120.2		18860501	45%
2	Moore to blw Munsey	Jul 13	0.3	1.2		18860501	45%
1	Blw Munsey to Arco	Jul 13	0.0	0.0		18860501	45%
	TOTAL		111.8	138.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	431.6
2	18810630	1.7	294.0	229.3
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54120.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
31970.0	31500.0	-470.0	-237.0	13.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16610.5
Total Storage Loss	-12052.7
Total Storage Deliver	-8481.0
Total Evaporation	-1757.2
Accounting Balance	31499.6
Current Res Content	31500.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

```
 31970.0 Reservoir Content Previous Day [ac-ft]
 31500.0 Reservoir Content Current Day [ac-ft]
  -470.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
            9.7 Storage Allocated to Mackay Reservoir [ac-ft]

          -275.7 Stored Flow Losses [ac-ft]
               -17.6 2B to Leslie [cfs]
              -120.2 Leslie to Moore [cfs]
                -1.2 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

          -177.0 Storage Delivered [ac-ft]
                 --- Above Reservoir [cfs]
                 0.3 Reservoir to 2B [cfs]
                11.5 2B to Leslie [cfs]
                50.3 Leslie to Moore [cfs]
                27.2 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -27.2 Evaporation [ac-ft]

  -470.2 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.2 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   219.8 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   219.8 Total Available Natural Flow [cfs]
-------------------------------------------------------------
             4.9 Reservoir Rights Diverted [cfs]

           111.8 Natural Flow Losses below Reservoir [cfs]
                16.4 2B to Leslie [cfs]
                95.1 Leslie to Moore [cfs]
                 0.3 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           103.0 Natural Flow Delivered [cfs]
                 --- Above Reservoir Storage Use [cfs]
                 2.7 Reservoir to 2B [cfs]
                38.5 2B to Leslie [cfs]
                53.7 Leslie to Moore [cfs]
                 8.1 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   219.7 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.1 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.8	490
Eastside Felton Wier +	25.9	1295
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	70.8	3539
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	1.2	60
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	65.5	3275
Total Out	70.6	3530

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.00

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 101.9%
Step 2 - Groundwater at Eastside Out	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.7 cfs
Step 3 - River at Eastside Out	Eastside Out - Groundwater at Eastside Out	= 29.8 cfs
Step 4 - River at Weirs	River at Eastside Out Abbreviated Reach Delivery Factor	= 29.2 cfs
Step 5 - Upper Reach Delivery Factor	Weirs + Eastside Diversion Above Weirs Eastside In	= 79.5%
Step 6 - River at Eastside In	River at Weirs Upper Reach Delivery Factor	= 36.8 cfs
Step 7 - Canal at Eastside In	Eastside In - River at Eastside In	= 14.4 cfs
Step 8 - Canal Delivery Factor	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 80.3%
Step 9 - Eastside River Delivery Factor	River at Eastside Out River at Eastside In	= 80.9%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.3	91.4
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	3.3	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.1	206.0
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	16.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	26.0	11.4	531.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.0	326.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	1.5	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	7.8	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	206.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	485.1	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	74.9	34.8	3246.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.4	8.9	795.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	2.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-5.8	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	33.0	2073.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	523.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1152.1
5	L SMITH EXCHANGE	4.4	344.3	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1100.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	834.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1212.7	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 14, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 14	323.0	3.0	0.0	326.0	0.00	326.0	3.0	0.0	0.0	323.0	0.0	0.0
9	Howell to Chilly		Jul 14	0.0	84.6	0.0	-238.4	1.00	87.6	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 14	220.9	35.3	0.0	256.2	0.00	343.8	30.2	5.1	0.0	232.7	-11.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 14	450.0	0.0	0.0	220.9	0.00	220.9	4.9		0.0	216.0	234.0	0.0
6	Reservoir to 2B		Jul 14	447.0	3.0	0.0	0.0	0.00	220.9	2.6	0.4	0.0	213.4	233.6	0.0
5	2B to Leslie		Jul 14	358.0	50.0	0.0	-39.0	0.09	220.9	39.2	10.8	0.0	155.6	202.4	0.0
4	Leslie to Moore		Jul 14	0.0	104.0	0.0	-216.6	0.61	220.9	53.2	50.8	0.0	8.2	-8.2	0.0
2	Moore to blw Munsey		Jul 14	0.0	71.0	35.1	-1.5	0.04	220.9	7.9	28.0	35.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 14	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	218.9	101.8	35.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 14	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 14	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 14	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 14	0.0	0.0		18860501	40%
6	Reservoir to 2B	Jul 14	0.0	0.0		18860501	40%
5	2B to Leslie	Jul 14	18.6	20.4		18860501	40%
4	Leslie to Moore	Jul 14	94.1	122.5		18860501	40%
2	Moore to blw Munsey	Jul 14	0.3	1.2		18860501	40%
1	Blw Munsey to Arco	Jul 14	0.0	0.0		18860501	40%
	TOTAL		113.0	144.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	438.0
2	18810630	1.7	294.0	232.7
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54130.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
31500.0	31020.0	-480.0	-242.0	12.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16620.2
Total Storage Loss	-12338.5
Total Storage Deliver	-8659.6
Total Evaporation	-1782.7
Accounting Balance	31019.3
Current Res Content	31020.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

31500.0 Reservoir Content Previous Day [ac-ft]
31020.0 Reservoir Content Current Day [ac-ft]
-480.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-285.8 Stored Flow Losses [ac-ft]
-20.4 2B to Leslie [cfs]
-122.5 Leslie to Moore [cfs]
-1.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-178.4 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.4 Reservoir to 2B [cfs]
10.8 2B to Leslie [cfs]
50.8 Leslie to Moore [cfs]
28.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.6 Evaporation [ac-ft]

-480.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

220.9 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

220.9 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

113.0 Natural Flow Losses below Reservoir [cfs]
18.6 2B to Leslie [cfs]
94.1 Leslie to Moore [cfs]
0.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

102.9 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.6 Reservoir to 2B [cfs]
39.2 2B to Leslie [cfs]
53.2 Leslie to Moore [cfs]
7.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

220.8 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	8.9	445
Eastside Felton Wier +	27.7	1385
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	71.7	3584
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	1.2	60
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	65.3	3265
Total Out	70.4	3520

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.98	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 100.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 30.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 30.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 80.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 37.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 80.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 80.6%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 14, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.4	92.1
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	6.5	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.4	206.8
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	27.0	10.4	552.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.2	334.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	1.5	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	7.9	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	73.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	209.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	495.0	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	74.9	35.1	3315.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.5	8.9	813.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	2.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-5.3	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	33.2	2139.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	558.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1179.9
5	L SMITH EXCHANGE	4.4	361.8	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1126.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	854.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1243.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 15, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 15	317.0	3.5	0.0	320.5	0.00	320.5	3.5	0.0	0.0	317.0	0.0	0.0
9	Howell to Chilly		Jul 15	0.0	84.6	0.0	-232.4	1.00	88.1	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 15	231.5	35.3	0.0	266.8	0.00	354.9	30.2	5.1	0.0	243.3	-11.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 15	456.0	0.0	0.0	231.5	0.00	231.5	4.9		0.0	226.6	229.4	0.0
6	Reservoir to 2B		Jul 15	451.0	5.0	0.0	0.0	0.00	231.5	4.2	0.8	0.0	222.4	228.6	0.0
5	2B to Leslie		Jul 15	375.0	48.0	0.0	-28.0	0.06	231.5	37.0	11.0	0.0	171.6	203.4	0.0
4	Leslie to Moore		Jul 15	1.7	105.2	0.0	-225.3	0.60	231.5	59.6	45.6	0.0	8.9	-7.2	0.0
2	Moore to blw Munsey		Jul 15	0.0	71.0	35.1	-5.1	0.11	231.5	7.9	31.5	31.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 15	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured							TOTAL	225.1	100.7	31.6			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 15	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 15	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 15	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 15	0.0	0.0		18860630	74%
6	Reservoir to 2B	Jul 15	0.0	0.0		18860630	74%
5	2B to Leslie	Jul 15	13.8	14.2		18860630	74%
4	Leslie to Moore	Jul 15	103.1	122.2		18860630	74%
2	Moore to blw Munsey	Jul 15	1.0	4.1		18860630	74%
1	Blw Munsey to Arco	Jul 15	0.0	0.0		18860630	74%
	TOTAL		117.9	140.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	444.3
2	18810630	1.7	294.0	236.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54139.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
31020.0	30550.0	-470.0	-237.0	12.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16629.9
Total Storage Loss	-12617.2
Total Storage Deliver	-8835.9
Total Evaporation	-1807.4
Accounting Balance	30549.4
Current Res Content	30550.0
Storage Balance Error	-0.6

DAILY STORAGE BALANCE

31020.0 Reservoir Content Previous Day [ac-ft]
30550.0 Reservoir Content Current Day [ac-ft]
-470.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-278.7 Stored Flow Losses [ac-ft]
-14.2 2B to Leslie [cfs]
-122.2 Leslie to Moore [cfs]
-4.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-176.4 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.8 Reservoir to 2B [cfs]
11.0 2B to Leslie [cfs]
45.6 Leslie to Moore [cfs]
31.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-24.7 Evaporation [ac-ft]

-470.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

231.5 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

231.5 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

117.9 Natural Flow Losses below Reservoir [cfs]
13.8 2B to Leslie [cfs]
103.1 Leslie to Moore [cfs]
1.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

108.7 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
4.2 Reservoir to 2B [cfs]
37.0 2B to Leslie [cfs]
59.6 Leslie to Moore [cfs]
7.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

231.5 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.7	485
Eastside Felton Wier +	35.2	1760
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	80.0	3999
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	1.2	60
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	65.5	3275
Total Out	70.6	3530

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.88

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 90.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 31.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 33.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 37.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 87.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 42.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 82.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 79.2%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.8	93.7
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	9.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.0	0.6	208.1
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	27.0	10.4	573.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.2	343.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	1.5	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	8.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	74.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	212.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	504.9	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	75.3	32.6	3380.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.0	7.0	827.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	2.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-3.2	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	34.7	2208.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	593.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1207.6
5	L SMITH EXCHANGE	4.4	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1151.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	874.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1274.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 16, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 16	300.0	3.5	0.0	303.5	0.00	303.5	3.5	0.0	0.0	300.0	0.0	0.0
9	Howell to Chilly		Jul 16	0.0	84.6	0.0	-215.4	1.00	88.1	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 16	197.7	35.3	0.0	233.0	0.00	321.1	30.2	5.1	0.0	209.5	-11.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 16	469.0	0.0	0.0	197.7	0.00	197.7	4.9		0.0	192.8	276.2	0.0
6	Reservoir to 2B		Jul 16	464.0	5.0	0.0	0.0	0.00	197.7	4.4	0.6	0.0	188.4	275.6	0.0
5	2B to Leslie		Jul 16	373.0	54.0	0.0	-37.0	0.08	197.7	42.7	11.3	0.0	130.7	242.3	0.0
4	Leslie to Moore		Jul 16	0.0	124.0	0.0	-212.8	0.57	197.7	54.7	69.3	0.0	1.4	-1.4	0.0
2	Moore to blw Munsey		Jul 16	0.0	71.0	35.1	-1.7	0.05	197.7	1.3	33.1	36.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 16	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	219.6	126.1	36.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 16	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 16	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 16	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 16	0.0	0.0		18851002	12%
6	Reservoir to 2B	Jul 16	0.0	0.0		18851002	12%
5	2B to Leslie	Jul 16	15.0	22.0		18851002	12%
4	Leslie to Moore	Jul 16	74.6	138.3		18851002	12%
2	Moore to blw Munsey	Jul 16	0.1	1.7		18851002	12%
1	Blw Munsey to Arco	Jul 16	0.0	0.0		18851002	12%
	TOTAL		89.7	161.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	450.7
2	18810630	1.7	294.0	239.4
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54149.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
30550.0	29990.0	-560.0	-282.3	11.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16639.6
Total Storage Loss	-12938.5
Total Storage Deliver	-9062.6
Total Evaporation	-1829.2
Accounting Balance	29989.3
Current Res Content	29990.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

30550.0 Reservoir Content Previous Day [ac-ft]
29990.0 Reservoir Content Current Day [ac-ft]
-560.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-321.3 Stored Flow Losses [ac-ft]
-22.0 2B to Leslie [cfs]
-138.3 Leslie to Moore [cfs]
-1.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-226.7 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.6 Reservoir to 2B [cfs]
11.3 2B to Leslie [cfs]
69.3 Leslie to Moore [cfs]
33.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-21.8 Evaporation [ac-ft]

-560.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

197.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

197.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

89.7 Natural Flow Losses below Reservoir [cfs]
15.0 2B to Leslie [cfs]
74.6 Leslie to Moore [cfs]
0.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

103.1 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
4.4 Reservoir to 2B [cfs]
42.7 2B to Leslie [cfs]
54.7 Leslie to Moore [cfs]
1.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

197.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.6	430
Eastside Felton Wier +	30.0	1500
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	73.7	3684
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	2.4	121
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	1.2	60
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	67.8	3390
Total Out	75.3	3766

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.02

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 104.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 36.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 31.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 29.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 82.9%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 36.1 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 16.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 85.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 86.4%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.6	95.0
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	13.0	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.4	208.8
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	10.9	594.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.1	351.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.5	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	1.5	0.0	0.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	8.2	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	76.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	215.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	514.9	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	89.6	48.2	3476.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	16.5	10.8	848.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	2.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-0.9	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	34.0	2275.9
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	628.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1235.4
5	L SMITH EXCHANGE	0.0	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1176.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	895.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1305.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 17, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 17	292.0	3.0	0.0	295.0	0.00	295.0	3.0	0.0	0.0	292.0	0.0	0.0
9	Howell to Chilly		Jul 17	0.0	84.6	0.0	-207.4	1.00	87.6	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 17	210.1	33.8	0.0	243.9	0.00	331.5	28.2	5.6	0.0	222.4	-12.3	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 17	468.0	0.0	0.0	210.1	0.00	210.1	4.9		0.0	205.2	262.8	0.0
6	Reservoir to 2B		Jul 17	464.0	4.0	0.0	0.0	0.00	210.1	3.8	0.2	0.0	201.3	262.7	0.0
5	2B to Leslie		Jul 17	375.0	54.0	0.0	-35.0	0.08	210.1	44.1	9.9	0.0	142.1	232.9	0.0
4	Leslie to Moore		Jul 17	0.0	122.4	0.0	-214.1	0.57	210.1	54.0	68.4	0.0	7.0	-7.0	0.0
2	Moore to blw Munsey		Jul 17	0.0	74.0	35.1	-0.5	0.01	210.1	6.9	31.1	36.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 17	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	222.8	121.9	36.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 17	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 17	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 17	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 17	0.0	0.0		18851002	86%
6	Reservoir to 2B	Jul 17	0.0	0.0		18851002	86%
5	2B to Leslie	Jul 17	15.2	19.8		18851002	86%
4	Leslie to Moore	Jul 17	81.1	132.9		18851002	86%
2	Moore to blw Munsey	Jul 17	0.1	0.4		18851002	86%
1	Blw Munsey to Arco	Jul 17	0.0	0.0		18851002	86%
	TOTAL		96.4	153.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	457.0
2	18810630	1.7	294.0	242.8
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54159.3

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
29990.0	29460.0	-530.0	-267.2	9.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16649.3
Total Storage Loss	-13242.2
Total Storage Deliver	-9280.0
Total Evaporation	-1847.6
Accounting Balance	29459.5
Current Res Content	29460.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

29990.0 Reservoir Content Previous Day [ac-ft]
29460.0 Reservoir Content Current Day [ac-ft]
-530.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-303.7 Stored Flow Losses [ac-ft]
-19.8 2B to Leslie [cfs]
-132.9 Leslie to Moore [cfs]
-0.4 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-217.5 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
9.9 2B to Leslie [cfs]
68.4 Leslie to Moore [cfs]
31.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-18.4 Evaporation [ac-ft]

-529.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

210.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

210.1 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

96.4 Natural Flow Losses below Reservoir [cfs]
15.2 2B to Leslie [cfs]
81.1 Leslie to Moore [cfs]
0.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

108.8 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
44.1 2B to Leslie [cfs]
54.0 Leslie to Moore [cfs]
6.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

210.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.5	475
Eastside Felton Wier +	30.8	1540
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	75.4	3769
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	2.4	120
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	1.2	60
Island Norm Sowards Delivery +	2.2	110
Island Wanstrom David +	0.0	0
Eastside OUT	68.3	3415
Total Out	75.8	3790

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.01

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 102.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 36.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 32.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 31.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 81.7%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 38.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 16.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 83.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 83.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	95.3
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	16.3	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	209.4
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	9.6	614.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.1	359.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.6	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.5	1.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	8.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	77.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	219.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	524.8	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	87.9	47.4	3570.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	16.8	11.1	870.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.0	-1.9	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	33.1	2341.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	663.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1263.2
5	L SMITH EXCHANGE	0.0	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1202.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	915.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1336.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 18, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 18	305.0	3.0	0.0	308.0	0.00	308.0	3.0	0.0	0.0	305.0	0.0	0.0
9	Howell to Chilly		Jul 18	0.0	84.6	0.0	-220.4	1.00	87.6	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 18	208.9	33.8	0.0	242.7	0.00	330.3	28.2	5.6	0.0	221.2	-12.3	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 18	463.0	0.0	0.0	208.9	0.00	208.9	4.9		0.0	204.0	259.0	0.0
6	Reservoir to 2B		Jul 18	459.0	4.0	0.0	0.0	0.00	208.9	3.8	0.2	0.0	200.2	258.8	0.0
5	2B to Leslie		Jul 18	367.0	54.0	0.0	-38.0	0.08	208.9	44.1	9.9	0.0	139.6	227.4	0.0
4	Leslie to Moore		Jul 18	0.0	118.5	0.0	-210.9	0.57	208.9	52.2	66.3	0.0	7.2	-7.2	0.0
2	Moore to blw Munsey		Jul 18	0.0	71.0	35.1	-3.7	0.10	208.9	6.5	27.4	37.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 18	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	220.5	116.1	37.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 18	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 18	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 18	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 18	0.0	0.0		18860501	3%
6	Reservoir to 2B	Jul 18	0.0	0.0		18860501	3%
5	2B to Leslie	Jul 18	16.6	21.4		18860501	3%
4	Leslie to Moore	Jul 18	80.2	130.7		18860501	3%
2	Moore to blw Munsey	Jul 18	0.7	3.0		18860501	3%
1	Blw Munsey to Arco	Jul 18	0.0	0.0		18860501	3%
	TOTAL		97.5	155.1	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	463.3
2	18810630	1.7	294.0	246.2
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54169.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
29460.0	28930.0	-530.0	-267.2	13.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16659.1
Total Storage Loss	-13549.8
Total Storage Deliver	-9485.9
Total Evaporation	-1873.7
Accounting Balance	28929.7
Current Res Content	28930.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

29460.0 Reservoir Content Previous Day [ac-ft]
28930.0 Reservoir Content Current Day [ac-ft]
-530.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-307.6 Stored Flow Losses [ac-ft]
-21.4 2B to Leslie [cfs]
-130.7 Leslie to Moore [cfs]
-3.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-206.0 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
9.9 2B to Leslie [cfs]
66.3 Leslie to Moore [cfs]
27.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-26.1 Evaporation [ac-ft]

-530.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

208.9 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

208.9 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

97.5 Natural Flow Losses below Reservoir [cfs]
16.6 2B to Leslie [cfs]
80.2 Leslie to Moore [cfs]
0.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

106.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
44.1 2B to Leslie [cfs]
52.2 Leslie to Moore [cfs]
6.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

209.0 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.3	465
Eastside Felton Wier +	29.1	1455
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	73.5	3674
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	2.5	123
Eastside Richard Reynolds Delivery +	1.7	85
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	1.2	60
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	69.6	3480
Total Out	76.2	3808

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.04

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 105.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 32.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 30.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 81.7%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 37.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 15.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 84.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 86.4%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	95.7
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	19.5	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	210.0
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	9.6	633.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.0	1.4	362.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.5	2.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	8.5	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	79.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	222.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	534.7	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	91.0	49.9	3668.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	15.1	9.7	889.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-4.9	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	32.4	2405.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	698.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1290.9
5	L SMITH EXCHANGE	0.0	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1227.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	935.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1367.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 19, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 19	295.0	3.0	0.0	298.0	0.00	298.0	3.0	0.0	0.0	295.0	0.0	0.0
9	Howell to Chilly		Jul 19	0.0	84.6	0.0	-210.4	1.00	87.6	77.9	6.7	0.0	6.7	-6.7	0.0
8	Chilly to Reservoir	*	Jul 19	224.0	33.8	0.0	257.8	0.00	345.4	28.2	5.6	0.0	236.3	-12.3	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 19	458.0	0.0	0.0	224.0	0.00	224.0	4.9		0.0	219.1	238.9	0.0
6	Reservoir to 2B		Jul 19	454.0	4.0	0.0	0.0	0.00	224.0	3.8	0.2	0.0	215.3	238.7	0.0
5	2B to Leslie		Jul 19	358.0	54.0	0.0	-42.0	0.09	224.0	44.1	9.9	0.0	151.3	206.7	0.0
4	Leslie to Moore		Jul 19	0.0	108.1	0.0	-210.1	0.59	224.0	53.7	54.5	0.0	8.9	-8.9	0.0
2	Moore to blw Munsey		Jul 19	0.0	74.7	35.1	-0.7	0.02	224.0	8.7	30.4	35.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 19	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	224.2	107.3	35.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 19	0.0	0.0		19121204	100%
9	Howell to Chilly	Jul 19	0.0	0.0		19121204	100%
8	Chilly to Reservoir	Jul 19	0.0	0.0		19121204	100%
	Disconnected						
7	Mackay Reservoir	Jul 19	0.0	0.0		18860501	89%
6	Reservoir to 2B	Jul 19	0.0	0.0		18860501	89%
5	2B to Leslie	Jul 19	19.9	22.1		18860501	89%
4	Leslie to Moore	Jul 19	88.8	121.3		18860501	89%
2	Moore to blw Munsey	Jul 19	0.2	0.6		18860501	89%
1	Blw Munsey to Arco	Jul 19	0.0	0.0		18860501	89%
	TOTAL		108.9	143.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	469.7
2	18810630	1.7	294.0	249.5
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54178.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
28930.0	28440.0	-490.0	-247.0	13.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16668.8
Total Storage Loss	-13835.4
Total Storage Deliver	-9674.3
Total Evaporation	-1899.5
Accounting Balance	28439.5
Current Res Content	28440.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

28930.0 Reservoir Content Previous Day [ac-ft]
28440.0 Reservoir Content Current Day [ac-ft]
-490.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-285.6 Stored Flow Losses [ac-ft]
-22.1 2B to Leslie [cfs]
-121.3 Leslie to Moore [cfs]
-0.6 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-188.4 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
9.9 2B to Leslie [cfs]
54.5 Leslie to Moore [cfs]
30.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.9 Evaporation [ac-ft]

-490.2 Accounting Change in Storage [ac-ft]

-0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

224.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

224.0 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

108.9 Natural Flow Losses below Reservoir [cfs]
19.9 2B to Leslie [cfs]
88.8 Leslie to Moore [cfs]
0.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

110.3 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
44.1 2B to Leslie [cfs]
53.7 Leslie to Moore [cfs]
8.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

224.1 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.4	470
Eastside Felton Wier +	24.9	1245
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	69.4	3469
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	2.4	121
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	66.8	3340
Total Out	70.4	3521

Abbreviated Reach Delivery Factor	1.01

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 101.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 35.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 31.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 30.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 77.2%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 39.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 10.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 77.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 78.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 19, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	96.0
9	KENT	2.0	0.0	0.0	8	Gates/Woods 1	1.5	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	1.6	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	210.6
9	BITTON	3.5	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.0	259.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	9.6	652.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	26.1	0.0	52.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	36.1	0.0	80.1	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.0	1.4	365.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	5.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.5	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.2	0.1	8.6	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	80.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	225.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	544.6	8	Stoecklein 1	2.5	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	88.0	44.8	3757.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	10.7	4.6	899.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.7	-2.6	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	50.0	33.0	2471.2
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	4.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	5.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	733.1
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1318.7
5	L SMITH EXCHANGE	0.0	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1253.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	955.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1397.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 20, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 20	269.0	3.0	0.0	272.0	0.00	272.0	3.0	0.0	0.0	269.0	0.0	0.0
9	Howell to Chilly		Jul 20	0.0	74.4	0.0	-194.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 20	224.6	31.8	0.0	256.4	0.00	333.8	26.6	5.2	0.0	236.8	-12.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 20	452.0	0.0	0.0	224.6	0.00	224.6	4.9		0.0	219.7	232.3	0.0
6	Reservoir to 2B		Jul 20	448.0	4.0	0.0	0.0	0.00	224.6	3.8	0.2	0.0	215.8	232.2	0.0
5	2B to Leslie		Jul 20	350.0	62.0	0.0	-36.0	0.08	224.6	47.3	14.7	0.0	151.2	198.8	0.0
4	Leslie to Moore		Jul 20	0.0	107.7	0.0	-205.2	0.59	224.6	52.2	55.5	0.0	10.4	-10.4	0.0
2	Moore to blw Munsey		Jul 20	0.0	64.7	35.1	-6.0	0.16	224.6	8.7	22.4	33.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 20	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured							TOTAL	213.9	105.0	33.6			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 20	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 20	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 20	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 20	0.0	0.0		18860501	67%
6	Reservoir to 2B	Jul 20	0.0	0.0		18860501	67%
5	2B to Leslie	Jul 20	17.3	18.7		18860501	67%
4	Leslie to Moore	Jul 20	88.7	116.5		18860501	67%
2	Moore to blw Munsey	Jul 20	1.7	4.3		18860501	67%
1	Blw Munsey to Arco	Jul 20	0.0	0.0		18860501	67%
	TOTAL		107.7	139.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	476.0
2	18810630	1.7	294.0	252.9
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54188.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
28440.0	27960.0	-480.0	-242.0	14.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16678.5
Total Storage Loss	-14112.1
Total Storage Deliver	-9858.4
Total Evaporation	-1928.4
Accounting Balance	27959.6
Current Res Content	27960.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

28440.0 Reservoir Content Previous Day [ac-ft]
27960.0 Reservoir Content Current Day [ac-ft]
-480.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-276.7 Stored Flow Losses [ac-ft]
-18.7 2B to Leslie [cfs]
-116.5 Leslie to Moore [cfs]
-4.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-184.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
14.7 2B to Leslie [cfs]
55.5 Leslie to Moore [cfs]
22.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-28.9 Evaporation [ac-ft]

-480.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

224.6 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

224.6 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

107.7 Natural Flow Losses below Reservoir [cfs]
17.3 2B to Leslie [cfs]
88.7 Leslie to Moore [cfs]
1.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

112.0 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
47.3 2B to Leslie [cfs]
52.2 Leslie to Moore [cfs]
8.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

224.6 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.9	445
Eastside Felton Wier +	23.1	1155
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	67.1	3354
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	2.4	121
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	60.6	3030
Total Out	64.2	3211

Abbreviated Reach Delivery Factor	0.96

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 95.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 33.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 27.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 28.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 76.1%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 37.1 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 74.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 72.9%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	96.4
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	211.2
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	20.0	0.1	259.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	14.3	680.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	53.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	85.9	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.0	1.4	367.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	9.0	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.4	0.4	81.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	228.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	554.5	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	88.0	45.8	3848.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.1	5.5	909.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.7	-1.5	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	40.0	23.9	2518.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	768.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1346.5
5	L SMITH EXCHANGE	0.0	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1278.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	975.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1428.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 21, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 21	265.0	3.0	0.0	268.0	0.00	268.0	3.0	0.0	0.0	265.0	0.0	0.0
9	Howell to Chilly		Jul 21	0.0	74.4	0.0	-190.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 21	272.9	31.8	0.0	304.7	0.00	382.2	26.6	5.2	0.0	285.1	-12.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 21	457.0	0.0	0.0	272.9	0.00	272.9	4.9		0.0	268.0	189.0	0.0
6	Reservoir to 2B		Jul 21	453.0	4.0	0.0	0.0	0.00	272.9	3.8	0.2	0.0	264.2	188.8	0.0
5	2B to Leslie		Jul 21	343.0	62.0	0.0	-48.0	0.11	272.9	54.8	7.2	0.0	181.4	161.6	0.0
4	Leslie to Moore		Jul 21	0.0	107.1	0.0	-203.9	0.59	272.9	62.1	45.0	0.0	11.5	-11.5	0.0
2	Moore to blw Munsey		Jul 21	0.0	64.2	35.1	0.8	0.00	273.7	12.3	20.6	31.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 21	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	235.0	85.2	31.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 21	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 21	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 21	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 21	0.0	0.0		18870701	80%
6	Reservoir to 2B	Jul 21	0.0	0.0		18870701	80%
5	2B to Leslie	Jul 21	28.0	20.0		18870701	80%
4	Leslie to Moore	Jul 21	107.8	96.0		18870701	80%
2	Moore to blw Munsey	Jul 21	0.0	0.0		18870701	80%
1	Blw Munsey to Arco	Jul 21	0.0	0.0		18870701	80%
	TOTAL		135.8	116.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	482.4
2	18810630	1.7	294.0	256.3
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54198.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
27960.0	27570.0	-390.0	-196.6	12.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16688.2
Total Storage Loss	-14342.2
Total Storage Deliver	-10003.2
Total Evaporation	-1953.3
Accounting Balance	27569.5
Current Res Content	27570.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

27960.0 Reservoir Content Previous Day [ac-ft]
27570.0 Reservoir Content Current Day [ac-ft]
-390.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-230.1 Stored Flow Losses [ac-ft]
-20.0 2B to Leslie [cfs]
-96.0 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-144.7 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
7.2 2B to Leslie [cfs]
45.0 Leslie to Moore [cfs]
20.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-24.9 Evaporation [ac-ft]

-390.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

272.9 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.8 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

273.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

135.8 Natural Flow Losses below Reservoir [cfs]
28.0 2B to Leslie [cfs]
107.8 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

133.0 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
54.8 2B to Leslie [cfs]
62.1 Leslie to Moore [cfs]
12.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

273.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.8	440
Eastside Felton Wier +	19.2	960
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	63.1	3154
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	2.4	121
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	52.8	2640
Total Out	56.4	2821

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.89

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 89.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 31.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 21.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 24.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 74.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 32.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 71.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 66.9%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	96.7
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	211.8
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	20.0	0.0	259.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	6.9	694.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	55.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	91.7	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.0	1.3	370.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	9.3	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	83.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	231.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	564.4	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	87.0	40.1	3928.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.7	3.1	915.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	24.3	-2.4	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	39.9	23.5	2565.2
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	802.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1374.2
5	L SMITH EXCHANGE	0.0	379.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1303.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	996.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1459.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 22, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 22	288.0	3.0	0.0	291.0	0.00	291.0	3.0	0.0	0.0	288.0	0.0	0.0
9	Howell to Chilly		Jul 22	0.0	74.4	0.0	-213.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 22	226.0	32.8	0.0	258.8	0.00	336.3	26.6	6.2	0.0	239.2	-13.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 22	460.0	0.0	0.0	226.0	0.00	226.0	4.9		0.0	221.1	238.9	0.0
6	Reservoir to 2B		Jul 22	456.0	4.0	0.0	0.0	0.00	226.0	3.8	0.2	0.0	217.3	238.7	0.0
5	2B to Leslie		Jul 22	347.0	74.0	0.0	-35.0	0.08	226.0	48.4	25.6	0.0	152.2	194.8	0.0
4	Leslie to Moore		Jul 22	0.0	112.5	0.0	-202.3	0.58	226.0	54.0	58.4	0.0	9.4	-9.4	0.0
2	Moore to blw Munsey		Jul 22	0.0	59.5	35.1	-4.7	0.15	226.0	8.0	19.5	32.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 22	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	216.3	116.9	32.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 22	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 22	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 22	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 22	0.0	0.0		18860501	79%
6	Reservoir to 2B	Jul 22	0.0	0.0		18860501	79%
5	2B to Leslie	Jul 22	16.7	18.3		18860501	79%
4	Leslie to Moore	Jul 22	88.7	113.6		18860501	79%
2	Moore to blw Munsey	Jul 22	1.4	3.3		18860501	79%
1	Blw Munsey to Arco	Jul 22	0.0	0.0		18860501	79%
	TOTAL		106.8	135.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	488.7
2	18810630	1.7	294.0	259.6
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54207.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
27570.0	27090.0	-480.0	-242.0	8.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16697.9
Total Storage Loss	-14610.4
Total Storage Deliver	-10208.9
Total Evaporation	-1969.1
Accounting Balance	27089.5
Current Res Content	27090.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

27570.0 Reservoir Content Previous Day [ac-ft]
27090.0 Reservoir Content Current Day [ac-ft]
-480.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-268.2 Stored Flow Losses [ac-ft]
-18.3 2B to Leslie [cfs]
-113.6 Leslie to Moore [cfs]
-3.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-205.6 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
25.6 2B to Leslie [cfs]
58.4 Leslie to Moore [cfs]
19.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-15.8 Evaporation [ac-ft]

-479.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

226.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

226.0 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

106.8 Natural Flow Losses below Reservoir [cfs]
16.7 2B to Leslie [cfs]
88.7 Leslie to Moore [cfs]
1.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

114.2 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
48.4 2B to Leslie [cfs]
54.0 Leslie to Moore [cfs]
8.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

225.9 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.5	525
Eastside Felton Wier +	20.1	1005
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	65.7	3284
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	55.1	2755
Total Out	59.9	2995

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.91

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 91.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 25.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 78.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 32.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 12.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 75.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 71.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	97.1
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	212.4
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	4.2	268.0
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	21.1	736.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	57.0	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	97.5	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	4.0	1.4	373.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	9.7	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	84.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	234.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	576.3	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.0	47.5	4022.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.6	5.4	926.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-3.6	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	38.5	23.1	2611.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	837.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1402.0
5	L SMITH EXCHANGE	1.5	385.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1329.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1016.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1490.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 23, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 23	272.0	3.0	0.0	275.0	0.00	275.0	3.0	0.0	0.0	272.0	0.0	0.0
9	Howell to Chilly		Jul 23	0.0	74.4	0.0	-197.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 23	222.7	32.8	0.0	255.6	0.00	333.0	26.6	6.2	0.0	236.0	-13.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 23	453.0	0.0	0.0	222.7	0.00	222.7	4.9		0.0	217.8	235.2	0.0
6	Reservoir to 2B		Jul 23	449.0	4.0	0.0	0.0	0.00	222.7	3.8	0.2	0.0	214.0	235.0	0.0
5	2B to Leslie		Jul 23	343.0	76.0	0.0	-30.0	0.07	222.7	46.1	29.9	0.0	153.6	189.4	0.0
4	Leslie to Moore		Jul 23	0.0	114.1	0.0	-194.0	0.57	222.7	55.7	58.3	0.0	11.0	-11.0	0.0
2	Moore to blw Munsey		Jul 23	0.0	59.5	35.1	-9.5	0.27	222.7	8.0	17.4	34.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 23	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured						TOTAL		215.6	119.0	34.1			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 23	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 23	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 23	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 23	0.0	0.0		18860501	85%
6	Reservoir to 2B	Jul 23	0.0	0.0		18860501	85%
5	2B to Leslie	Jul 23	14.3	15.7		18860501	85%
4	Leslie to Moore	Jul 23	86.9	107.1		18860501	85%
2	Moore to blw Munsey	Jul 23	3.0	6.5		18860501	85%
1	Blw Munsey to Arco	Jul 23	0.0	0.0		18860501	85%
	TOTAL		104.2	129.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	495.1
2	18810630	1.7	294.0	263.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54217.7

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
27090.0	26610.0	-480.0	-242.0	11.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16707.7
Total Storage Loss	-14866.9
Total Storage Deliver	-10418.7
Total Evaporation	-1992.4
Accounting Balance	26609.7
Current Res Content	26610.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

```
 27090.0 Reservoir Content Previous Day [ac-ft]
 26610.0 Reservoir Content Current Day [ac-ft]
  -480.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
             9.7 Storage Allocated to Mackay Reservoir [ac-ft]

          -256.5 Stored Flow Losses [ac-ft]
               -15.7 2B to Leslie [cfs]
              -107.1 Leslie to Moore [cfs]
                -6.5 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

          -209.9 Storage Delivered [ac-ft]
                 --- Above Reservoir [cfs]
                 0.2 Reservoir to 2B [cfs]
                29.9 2B to Leslie [cfs]
                58.3 Leslie to Moore [cfs]
                17.4 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -23.3 Evaporation [ac-ft]

  -480.0 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
     0.0 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   222.7 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   222.7 Total Available Natural Flow [cfs]
-------------------------------------------------------------
             4.9 Reservoir Rights Diverted [cfs]

           104.2 Natural Flow Losses below Reservoir [cfs]
                14.3 2B to Leslie [cfs]
                86.9 Leslie to Moore [cfs]
                 3.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

           113.6 Natural Flow Delivered [cfs]
                 --- Above Reservoir Storage Use [cfs]
                 3.8 Reservoir to 2B [cfs]
                46.1 2B to Leslie [cfs]
                55.7 Leslie to Moore [cfs]
                 8.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   222.7 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.2	510
Eastside Felton Wier +	23.1	1155
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	68.4	3419
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	61.6	3080
Total Out	66.4	3320

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.97

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 97.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 27.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 28.4 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 81.2%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 34.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 79.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 78.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	97.5
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	212.9
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	5.9	279.7
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	23.7	783.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	58.6	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	103.3	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	377.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	10.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	86.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	238.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	6.0	6.0	588.2	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.0	47.3	4116.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.4	4.3	935.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-4.8	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	38.5	22.2	2655.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	872.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1429.8
5	L SMITH EXCHANGE	1.5	391.1	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1354.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1036.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1521.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 24, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 24	246.0	3.0	0.0	249.0	0.00	249.0	3.0	0.0	0.0	246.0	0.0	0.0
9	Howell to Chilly		Jul 24	0.0	74.4	0.0	-171.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 24	220.6	31.8	0.0	252.4	0.00	329.9	26.6	5.2	0.0	232.8	-12.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 24	450.0	0.0	0.0	220.6	0.00	220.6	4.9		0.0	215.7	234.3	0.0
6	Reservoir to 2B		Jul 24	446.0	4.0	0.0	0.0	0.00	220.6	3.8	0.2	0.0	211.9	234.1	0.0
5	2B to Leslie		Jul 24	336.0	76.0	0.0	-34.0	0.08	220.6	46.4	29.6	0.0	149.3	186.7	0.0
4	Leslie to Moore		Jul 24	0.0	112.8	0.0	-190.4	0.57	220.6	54.7	58.1	0.0	10.0	-10.0	0.0
2	Moore to blw Munsey		Jul 24	0.0	58.3	35.1	-6.9	0.21	220.6	7.9	18.0	32.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 24	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	214.8	118.1	32.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 24	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 24	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 24	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 24	0.0	0.0		18860501	77%
6	Reservoir to 2B	Jul 24	0.0	0.0		18860501	77%
5	2B to Leslie	Jul 24	16.2	17.8		18860501	77%
4	Leslie to Moore	Jul 24	84.6	105.8		18860501	77%
2	Moore to blw Munsey	Jul 24	2.1	4.8		18860501	77%
1	Blw Munsey to Arco	Jul 24	0.0	0.0		18860501	77%
	TOTAL		102.9	128.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	501.4
2	18810630	1.7	294.0	266.4
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54227.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
26610.0	26130.0	-480.0	-242.0	12.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16717.4
Total Storage Loss	-15121.6
Total Storage Deliver	-10628.8
Total Evaporation	-2017.4
Accounting Balance	26129.6
Current Res Content	26130.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

26610.0	Reservoir Content Previous Day [ac-ft]
26130.0	Reservoir Content Current Day [ac-ft]
-480.0	Physical Change in Storage [ac-ft]
9.7	Storage Allocated to Mackay Reservoir [ac-ft]
-254.7	Stored Flow Losses [ac-ft]
-17.8	2B to Leslie [cfs]
-105.8	Leslie to Moore [cfs]
-4.8	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-210.1	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.2	Reservoir to 2B [cfs]
29.6	2B to Leslie [cfs]
58.1	Leslie to Moore [cfs]
18.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-25.0	Evaporation [ac-ft]
-480.1	Accounting Change in Storage [ac-ft]
-0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

220.6	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
220.6	Total Available Natural Flow [cfs]
4.9	Reservoir Rights Diverted [cfs]
102.9	Natural Flow Losses below Reservoir [cfs]
16.2	2B to Leslie [cfs]
84.6	Leslie to Moore [cfs]
2.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
112.8	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.8	Reservoir to 2B [cfs]
46.4	2B to Leslie [cfs]
54.7	Leslie to Moore [cfs]
7.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
220.6	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.0	550
Eastside Felton Wier +	19.4	970
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	65.5	3274
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	55.6	2780
Total Out	60.4	3020

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.92

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 92.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 23.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 25.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 76.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 32.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 10.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 73.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 70.9%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 24, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	97.8
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	213.5
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	5.9	291.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	40.0	23.4	829.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	60.2	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	109.2	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	380.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	10.4	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	88.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	241.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	598.2	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	90.0	47.5	4210.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	10.7	4.5	944.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-3.7	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	37.3	21.7	2698.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	907.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1457.6
5	L SMITH EXCHANGE	1.5	397.1	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1380.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1056.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1552.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 25, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 25	230.0	3.0	0.0	233.0	0.00	233.0	3.0	0.0	0.0	230.0	0.0	0.0
9	Howell to Chilly		Jul 25	0.0	74.4	0.0	-155.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 25	208.7	31.8	0.0	240.5	0.00	317.9	26.6	5.2	0.0	220.9	-12.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 25	447.0	0.0	0.0	208.7	0.00	208.7	4.9		0.0	203.8	243.2	0.0
6	Reservoir to 2B		Jul 25	443.0	4.0	0.0	0.0	0.00	208.7	3.8	0.2	0.0	200.0	243.0	0.0
5	2B to Leslie		Jul 25	328.0	64.0	0.0	-51.0	0.12	208.7	43.8	20.2	0.0	133.1	194.9	0.0
4	Leslie to Moore		Jul 25	0.0	107.0	0.0	-189.8	0.58	208.7	47.5	59.5	0.0	8.6	-8.6	0.0
2	Moore to blw Munsey		Jul 25	0.0	58.3	35.1	-4.9	0.16	208.7	7.3	19.1	32.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 25	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	204.3	111.2	32.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 25	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 25	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 25	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 25	0.0	0.0		18851002	90%
6	Reservoir to 2B	Jul 25	0.0	0.0		18851002	90%
5	2B to Leslie	Jul 25	23.0	28.0		18851002	90%
4	Leslie to Moore	Jul 25	77.0	112.8		18851002	90%
2	Moore to blw Munsey	Jul 25	1.3	3.5		18851002	90%
1	Blw Munsey to Arco	Jul 25	0.0	0.0		18851002	90%
	TOTAL		101.3	144.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	507.8
2	18810630	1.7	294.0	269.8
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54237.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
26130.0	25630.0	-500.0	-252.1	13.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16727.1
Total Storage Loss	-15407.8
Total Storage Deliver	-10825.1
Total Evaporation	-2044.7
Accounting Balance	25629.5
Current Res Content	25630.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

26130.0 Reservoir Content Previous Day [ac-ft]
25630.0 Reservoir Content Current Day [ac-ft]
-500.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-286.2 Stored Flow Losses [ac-ft]
-28.0 2B to Leslie [cfs]
-112.8 Leslie to Moore [cfs]
-3.5 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-196.3 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
20.2 2B to Leslie [cfs]
59.5 Leslie to Moore [cfs]
19.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-27.3 Evaporation [ac-ft]

-500.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

208.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

208.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

101.3 Natural Flow Losses below Reservoir [cfs]
23.0 2B to Leslie [cfs]
77.0 Leslie to Moore [cfs]
1.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

102.4 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
43.8 2B to Leslie [cfs]
47.5 Leslie to Moore [cfs]
7.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

208.6 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.3	565
Eastside Felton Wier +	17.0	850
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	63.4	3169
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	53.0	2650
Total Out	57.8	2890

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.91

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 91.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 21.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 23.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 73.9%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 31.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 10.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 69.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 67.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 25, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	98.1
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	214.1
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	4.2	299.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	15.7	860.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	61.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	115.0	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	384.3
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	10.8	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	89.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	244.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	608.1	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	85.0	45.0	4299.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	10.1	8.6	961.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	21.0	-3.0	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	37.3	22.0	2741.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	942.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1485.3
5	L SMITH EXCHANGE	1.5	403.0	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1405.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1077.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1583.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 26, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 26	216.0	3.0	0.0	219.0	0.00	219.0	3.0	0.0	0.0	216.0	0.0	0.0
9	Howell to Chilly		Jul 26	0.0	74.4	0.0	-141.6	1.00	77.4	67.4	7.0	0.0	7.0	-7.0	0.0
8	Chilly to Reservoir	*	Jul 26	215.1	31.8	0.0	247.0	0.00	324.4	26.6	5.2	0.0	227.3	-12.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 26	440.0	0.0	0.0	215.1	0.00	215.1	4.9		0.0	210.2	229.8	0.0
6	Reservoir to 2B		Jul 26	436.0	4.0	0.0	0.0	0.00	215.1	3.8	0.2	0.0	206.4	229.6	0.0
5	2B to Leslie		Jul 26	322.0	64.0	0.0	-50.0	0.11	215.1	43.8	20.2	0.0	138.9	183.1	0.0
4	Leslie to Moore		Jul 26	0.0	106.0	0.0	-186.0	0.58	215.1	50.5	55.5	0.0	8.2	-8.2	0.0
2	Moore to blw Munsey		Jul 26	0.0	53.5	35.1	-9.2	0.31	215.1	5.7	15.1	32.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 26	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	205.8	103.2	32.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 26	0.0	0.0		19160501	100%
9	Howell to Chilly	Jul 26	0.0	0.0		19160501	100%
8	Chilly to Reservoir	Jul 26	0.0	0.0		19160501	100%
	Disconnected						
7	Mackay Reservoir	Jul 26	0.0	0.0		18860501	44%
6	Reservoir to 2B	Jul 26	0.0	0.0		18860501	44%
5	2B to Leslie	Jul 26	23.7	26.3		18860501	44%
4	Leslie to Moore	Jul 26	80.2	105.8		18860501	44%
2	Moore to blw Munsey	Jul 26	2.5	6.7		18860501	44%
1	Blw Munsey to Arco	Jul 26	0.0	0.0		18860501	44%
	TOTAL		106.4	138.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	514.1
2	18810630	1.7	294.0	273.1
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54246.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
25630.0	25160.0	-470.0	-237.0	12.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16736.8
Total Storage Loss	-15683.1
Total Storage Deliver	-11005.6
Total Evaporation	-2068.6
Accounting Balance	25159.5
Current Res Content	25160.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

25630.0 Reservoir Content Previous Day [ac-ft]
25160.0 Reservoir Content Current Day [ac-ft]
-470.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-275.3 Stored Flow Losses [ac-ft]
-26.3 2B to Leslie [cfs]
-105.8 Leslie to Moore [cfs]
-6.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-180.5 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
20.2 2B to Leslie [cfs]
55.5 Leslie to Moore [cfs]
15.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-24.0 Evaporation [ac-ft]

-470.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

215.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

215.1 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

106.4 Natural Flow Losses below Reservoir [cfs]
23.7 2B to Leslie [cfs]
80.2 Leslie to Moore [cfs]
2.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

103.8 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
43.8 2B to Leslie [cfs]
50.5 Leslie to Moore [cfs]
5.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

215.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.6	580
Eastside Felton Wier +	15.8	790
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	62.5	3124
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	53.5	2675
Total Out	58.3	2915

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.93

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 93.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 32.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 20.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 22.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 74.2%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 30.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 9.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 70.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 69.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 26, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	98.4
9	KENT	3.0	0.0	0.0	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	214.7
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	4.2	307.9
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	15.7	891.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	22.3	0.8	63.5	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	35.2	2.9	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	387.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.4	0.2	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	91.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	247.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	618.0	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	84.0	43.1	4385.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	9.9	6.3	973.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	19.0	-3.7	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	34.5	18.8	2779.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	3.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	977.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1513.1
5	L SMITH EXCHANGE	1.5	409.0	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1430.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1097.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1613.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 27, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 27	199.0	3.5	0.0	202.5	0.00	202.5	3.5	0.0	0.0	199.0	0.0	0.0
9	Howell to Chilly		Jul 27	0.0	74.3	0.0	-124.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Jul 27	191.6	31.1	0.0	222.7	0.00	300.5	27.1	4.0	0.0	199.0	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 27	431.0	0.0	0.0	191.6	0.00	191.6	4.9		0.0	186.7	244.3	0.0
6	Reservoir to 2B		Jul 27	427.0	4.0	0.0	0.0	0.00	191.6	3.8	0.2	0.0	182.9	244.1	0.0
5	2B to Leslie		Jul 27	317.0	64.0	0.0	-46.0	0.11	191.6	44.0	20.0	0.0	119.2	197.8	0.0
4	Leslie to Moore		Jul 27	0.0	105.7	0.0	-181.7	0.57	191.6	46.9	58.8	0.0	3.9	-3.9	0.0
2	Moore to blw Munsey		Jul 27	0.0	53.5	35.1	-6.3	0.21	191.6	3.1	20.2	30.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 27	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	204.3	106.6	30.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 27	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 27	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 27	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 27	0.0	0.0		18851002	46%
6	Reservoir to 2B	Jul 27	0.0	0.0		18851002	46%
5	2B to Leslie	Jul 27	19.7	26.3		18851002	46%
4	Leslie to Moore	Jul 27	68.3	113.4		18851002	46%
2	Moore to blw Munsey	Jul 27	0.8	5.5		18851002	46%
1	Blw Munsey to Arco	Jul 27	0.0	0.0		18851002	46%
	TOTAL		88.8	145.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	520.5
2	18810630	1.7	294.0	276.5
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54256.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
25160.0	24670.0	-490.0	-247.0	7.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16746.5
Total Storage Loss	-15971.1
Total Storage Deliver	-11202.4
Total Evaporation	-2083.8
Accounting Balance	24669.2
Current Res Content	24670.0
Storage Balance Error	-0.8

DAILY STORAGE BALANCE

25160.0 Reservoir Content Previous Day [ac-ft]
24670.0 Reservoir Content Current Day [ac-ft]
-490.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-288.0 Stored Flow Losses [ac-ft]
-26.3 2B to Leslie [cfs]
-113.4 Leslie to Moore [cfs]
-5.5 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-196.7 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
20.0 2B to Leslie [cfs]
58.8 Leslie to Moore [cfs]
20.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-15.2 Evaporation [ac-ft]

-490.2 Accounting Change in Storage [ac-ft]

-0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

191.6 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

191.6 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

88.8 Natural Flow Losses below Reservoir [cfs]
19.7 2B to Leslie [cfs]
68.3 Leslie to Moore [cfs]
0.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

97.8 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.8 Reservoir to 2B [cfs]
44.0 2B to Leslie [cfs]
46.9 Leslie to Moore [cfs]
3.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

191.5 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.9	595
Eastside Felton Wier +	16.3	815
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	7.8	389
Total In	63.3	3164
Groundwater to Arco	19.9	994
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	49.8	2490
Total Out	54.6	2730

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.86

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 86.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 19.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 22.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 76.6%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 29.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 10.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 69.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 66.1%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	98.8
9	KENT	4.7	0.3	0.5	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	12.0	0.3	215.3
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	4.0	315.8
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	30.0	15.7	923.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	65.8	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	391.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	17.9
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	92.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	250.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	625.9	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	83.7	44.3	4472.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	10.2	8.6	990.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	19.0	-0.5	102.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	34.5	20.7	2820.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1012.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1540.9
5	L SMITH EXCHANGE	1.5	414.9	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1456.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1117.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	7.8	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 28, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 28	185.0	3.5	0.0	188.5	0.00	188.5	3.5	0.0	0.0	185.0	0.0	0.0
9	Howell to Chilly		Jul 28	0.0	74.3	0.0	-110.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Jul 28	178.7	31.1	0.0	209.8	0.00	287.6	27.1	4.0	0.0	186.1	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 28	419.0	0.0	0.0	178.7	0.00	178.7	4.9		0.0	173.8	245.2	0.0
6	Reservoir to 2B		Jul 28	413.0	6.0	0.0	0.0	0.00	178.7	5.7	0.3	0.0	168.2	244.8	0.0
5	2B to Leslie		Jul 28	311.0	60.0	0.0	-42.0	0.10	178.7	41.6	18.4	0.0	109.5	201.5	0.0
4	Leslie to Moore		Jul 28	0.0	98.3	0.0	-180.8	0.58	178.7	43.9	54.4	0.0	1.9	-1.9	0.0
2	Moore to blw Munsey		Jul 28	0.0	37.5	27.3	-18.4	0.57	178.7	0.8	12.8	23.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 28	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 198.4 93.3 23.9

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 28	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 28	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 28	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 28	0.0	0.0		18851002	16%
6	Reservoir to 2B	Jul 28	0.0	0.0		18851002	16%
5	2B to Leslie	Jul 28	17.1	24.9		18851002	16%
4	Leslie to Moore	Jul 28	63.6	117.1		18851002	16%
2	Moore to blw Munsey	Jul 28	1.1	17.2		18851002	16%
1	Blw Munsey to Arco	Jul 28	0.0	0.0		18851002	16%
	TOTAL		81.8	159.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	526.8
2	18810630	1.7	294.0	279.9
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54266.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
24670.0	24170.0	-500.0	-252.1	11.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16756.2
Total Storage Loss	-16286.9
Total Storage Deliver	-11372.8
Total Evaporation	-2107.3
Accounting Balance	24169.3
Current Res Content	24170.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

24670.0 Reservoir Content Previous Day [ac-ft]
24170.0 Reservoir Content Current Day [ac-ft]
-500.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-315.8 Stored Flow Losses [ac-ft]
-24.9 2B to Leslie [cfs]
-117.1 Leslie to Moore [cfs]
-17.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-170.3 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
18.4 2B to Leslie [cfs]
54.4 Leslie to Moore [cfs]
12.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-23.4 Evaporation [ac-ft]

-499.8 Accounting Change in Storage [ac-ft]

0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

178.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

178.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

81.8 Natural Flow Losses below Reservoir [cfs]
17.1 2B to Leslie [cfs]
63.6 Leslie to Moore [cfs]
1.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

92.0 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
5.7 Reservoir to 2B [cfs]
41.6 2B to Leslie [cfs]
43.9 Leslie to Moore [cfs]
0.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

178.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	11.4	570
Eastside Felton Wier +	18.8	940
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	57.5	2875
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	1.2	60
Island Wanstrom David +	0.0	0
Eastside OUT	46.0	2300
Total Out	50.4	2520

Abbreviated Reach Delivery Factor	0.88
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 87.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 23.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 22.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 25.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 78.9%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 31.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 9.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 72.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 69.1%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.3	99.4
9	KENT	4.7	0.3	1.1	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	10.0	0.4	216.1
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	4.0	323.7
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	28.0	14.0	950.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	68.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	395.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	1.8	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	94.4
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	253.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	633.9	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.1	38.9	4550.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	9.2	7.6	1005.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	13.0	1.8	106.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	24.5	10.9	2841.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1047.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1568.6
5	L SMITH EXCHANGE	1.5	420.9	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1481.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1137.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 29, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 29	177.0	3.5	0.0	180.5	0.00	180.5	3.5	0.0	0.0	177.0	0.0	0.0
9	Howell to Chilly		Jul 29	0.0	74.3	0.0	-102.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Jul 29	179.7	31.1	0.0	210.8	0.00	288.6	27.1	4.0	0.0	187.1	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 29	410.0	0.0	0.0	179.7	0.00	179.7	4.9		0.0	174.8	235.2	0.0
6	Reservoir to 2B		Jul 29	404.0	6.0	0.0	0.0	0.00	179.7	5.8	0.2	0.0	168.9	235.1	0.0
5	2B to Leslie		Jul 29	307.0	45.6	0.0	-51.4	0.13	179.7	31.7	13.9	0.0	115.8	191.2	0.0
4	Leslie to Moore		Jul 29	0.0	97.5	0.0	-181.2	0.59	179.7	41.7	55.8	0.0	5.7	-5.7	0.0
2	Moore to blw Munsey		Jul 29	0.0	37.5	27.3	-14.7	0.52	179.7	2.7	10.9	23.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 29	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		188.5	88.2	23.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 29	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 29	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 29	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 29	0.0	0.0		18851002	53%
6	Reservoir to 2B	Jul 29	0.0	0.0		18851002	53%
5	2B to Leslie	Jul 29	21.5	29.9		18851002	53%
4	Leslie to Moore	Jul 29	68.3	112.9		18851002	53%
2	Moore to blw Munsey	Jul 29	2.9	11.7		18851002	53%
1	Blw Munsey to Arco	Jul 29	0.0	0.0		18851002	53%
	TOTAL		92.7	154.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	533.2
2	18810630	1.7	294.0	283.2
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54276.0

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
24170.0	23690.0	-480.0	-242.0	11.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16766.0
Total Storage Loss	-16593.4
Total Storage Deliver	-11533.1
Total Evaporation	-2130.5
Accounting Balance	23689.0
Current Res Content	23690.0
Storage Balance Error	-1.0

DAILY STORAGE BALANCE

24170.0 Reservoir Content Previous Day [ac-ft]
23690.0 Reservoir Content Current Day [ac-ft]
-480.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-306.5 Stored Flow Losses [ac-ft]
-29.9 2B to Leslie [cfs]
-112.9 Leslie to Moore [cfs]
-11.7 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-160.3 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
13.9 2B to Leslie [cfs]
55.8 Leslie to Moore [cfs]
10.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-23.2 Evaporation [ac-ft]

-480.3 Accounting Change in Storage [ac-ft]

-0.3 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

179.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

179.7 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

92.7 Natural Flow Losses below Reservoir [cfs]
21.5 2B to Leslie [cfs]
68.3 Leslie to Moore [cfs]
2.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

81.9 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
31.7 2B to Leslie [cfs]
41.7 Leslie to Moore [cfs]
2.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

179.5 Natural Flow Delivered & Lost [cfs]

0.2 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.7	535
Eastside Felton Wier +	16.1	805
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	54.1	2705
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	42.3	2115
Total Out	47.3	2364

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.87

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 87.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 23.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 18.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 21.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 74.6%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 28.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 10.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 67.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 65.2%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	99.8
9	KENT	4.7	0.3	1.6	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	2.6	0.2	216.5
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	4.0	331.6
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	9.7	970.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	70.4	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	398.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	96.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	257.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	641.8	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	77.1	40.6	4630.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	10.4	9.3	1024.4
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	13.0	0.5	107.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	24.5	10.4	2862.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1082.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1596.4
5	L SMITH EXCHANGE	1.5	426.8	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1507.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1158.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 30, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 30	181.0	3.5	0.0	184.5	0.00	184.5	3.5	0.0	0.0	181.0	0.0	0.0
9	Howell to Chilly		Jul 30	0.0	74.3	0.0	-106.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Jul 30	195.0	31.1	0.0	226.1	0.00	303.9	27.1	4.0	0.0	202.4	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 30	405.0	0.0	0.0	195.0	0.00	195.0	4.9		0.0	190.1	214.9	0.0
6	Reservoir to 2B		Jul 30	399.0	6.0	0.0	0.0	0.00	195.0	5.8	0.2	0.0	184.3	214.7	0.0
5	2B to Leslie		Jul 30	302.0	47.0	0.0	-50.0	0.13	195.0	35.3	11.7	0.0	125.9	176.1	0.0
4	Leslie to Moore		Jul 30	0.0	99.9	0.0	-179.2	0.59	195.0	43.9	56.1	0.0	7.3	-7.3	0.0
2	Moore to blw Munsey		Jul 30	0.0	36.7	27.3	-8.5	0.37	195.0	4.6	9.8	22.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 30	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	196.0	85.2	22.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 30	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 30	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 30	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 30	0.0	0.0		18860501	2%
6	Reservoir to 2B	Jul 30	0.0	0.0		18860501	2%
5	2B to Leslie	Jul 30	23.1	26.9		18860501	2%
4	Leslie to Moore	Jul 30	74.7	104.5		18860501	2%
2	Moore to blw Munsey	Jul 30	2.7	5.8		18860501	2%
1	Blw Munsey to Arco	Jul 30	0.0	0.0		18860501	2%
	TOTAL		100.5	137.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	539.5
2	18810630	1.7	294.0	286.6
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54285.7

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
23690.0	23250.0	-440.0	-221.8	11.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16775.7
Total Storage Loss	-16865.5
Total Storage Deliver	-11687.4
Total Evaporation	-2154.0
Accounting Balance	23248.8
Current Res Content	23250.0
Storage Balance Error	-1.2

DAILY STORAGE BALANCE

23690.0	Reservoir Content Previous Day [ac-ft]
23250.0	Reservoir Content Current Day [ac-ft]
-440.0	Physical Change in Storage [ac-ft]
9.7	Storage Allocated to Mackay Reservoir [ac-ft]
-272.1	Stored Flow Losses [ac-ft]
-26.9	2B to Leslie [cfs]
-104.5	Leslie to Moore [cfs]
-5.8	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-154.3	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.2	Reservoir to 2B [cfs]
11.7	2B to Leslie [cfs]
56.1	Leslie to Moore [cfs]
9.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-23.5	Evaporation [ac-ft]
-440.2	Accounting Change in Storage [ac-ft]
-0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

195.0	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
195.0	Total Available Natural Flow [cfs]
4.9	Reservoir Rights Diverted [cfs]
100.5	Natural Flow Losses below Reservoir [cfs]
23.1	2B to Leslie [cfs]
74.7	Leslie to Moore [cfs]
2.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
89.6	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
5.8	Reservoir to 2B [cfs]
35.3	2B to Leslie [cfs]
43.9	Leslie to Moore [cfs]
4.6	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
195.0	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	10.2	510
Eastside Felton Wier +	14.1	705
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	51.6	2580
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	35.2	1760
Total Out	42.2	2109

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.82

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 81.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 22.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 12.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 15.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 68.7%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 22.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 15.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 58.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 56.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 30, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	100.1
9	KENT	4.7	0.3	2.1	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	4.0	0.0	216.6
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	2.0	335.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	9.7	989.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	72.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	402.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	97.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	260.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	649.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	75.6	39.0	4707.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	15.3	13.5	1051.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	12.8	-0.2	107.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	9.9	2882.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1117.1
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1624.2
5	L SMITH EXCHANGE	1.5	432.8	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1532.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1178.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Jul 31, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Jul 31	173.0	3.5	0.0	176.5	0.00	176.5	3.5	0.0	0.0	173.0	0.0	0.0
9	Howell to Chilly		Jul 31	0.0	74.3	0.0	-98.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Jul 31	184.1	31.1	0.0	215.2	0.00	293.0	27.1	4.0	0.0	191.5	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Jul 31	404.0	0.0	0.0	184.1	0.00	184.1	4.9		0.0	179.2	224.8	0.0
6	Reservoir to 2B		Jul 31	398.0	6.0	0.0	0.0	0.00	184.1	5.8	0.2	0.0	173.4	224.6	0.0
5	2B to Leslie		Jul 31	296.0	49.0	0.0	-53.0	0.13	184.1	35.3	13.7	0.0	115.0	181.0	0.0
4	Leslie to Moore		Jul 31	0.0	98.6	0.0	-176.1	0.59	184.1	43.5	55.1	0.0	3.1	-3.1	0.0
2	Moore to blw Munsey		Jul 31	0.0	36.7	27.3	-7.0	0.33	184.1	2.1	12.2	22.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Jul 31	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured							TOTAL	193.1	88.6	22.4			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Jul 31	0.0	0.0		19171003	100%
9	Howell to Chilly	Jul 31	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Jul 31	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Jul 31	0.0	0.0		18851002	45%
6	Reservoir to 2B	Jul 31	0.0	0.0		18851002	45%
5	2B to Leslie	Jul 31	23.1	29.9		18851002	45%
4	Leslie to Moore	Jul 31	68.4	107.7		18851002	45%
2	Moore to blw Munsey	Jul 31	1.0	6.0		18851002	45%
1	Blw Munsey to Arco	Jul 31	0.0	0.0		18851002	45%
	TOTAL		92.5	143.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	545.9
2	18810630	1.7	294.0	290.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54295.4

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
23250.0	22790.0	-460.0	-231.9	12.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16785.4
Total Storage Loss	-17150.3
Total Storage Deliver	-11848.4
Total Evaporation	-2177.8
Accounting Balance	22788.9
Current Res Content	22790.0
Storage Balance Error	-1.1

DAILY STORAGE BALANCE

23250.0 Reservoir Content Previous Day [ac-ft]
22790.0 Reservoir Content Current Day [ac-ft]
-460.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-284.8 Stored Flow Losses [ac-ft]
-29.9 2B to Leslie [cfs]
-107.7 Leslie to Moore [cfs]
-6.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-161.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
13.7 2B to Leslie [cfs]
55.1 Leslie to Moore [cfs]
12.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-23.8 Evaporation [ac-ft]

-460.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

184.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

184.1 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

92.5 Natural Flow Losses below Reservoir [cfs]
23.1 2B to Leslie [cfs]
68.4 Leslie to Moore [cfs]
1.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

86.7 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
35.3 2B to Leslie [cfs]
43.5 Leslie to Moore [cfs]
2.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

184.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.9	495
Eastside Felton Wier +	13.1	655
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	50.3	2515
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	34.3	1715
Total Out	41.3	2064

Abbreviated Reach Delivery Factor	0.82

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 82.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 22.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 11.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 14.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 68.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 21.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 15.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 58.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 55.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	100.4
9	KENT	4.7	0.3	2.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	4.0	0.0	216.6
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	4.0	343.3
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	9.7	1008.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	75.0	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	406.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	99.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	263.4
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	657.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	74.3	38.0	4783.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	15.4	13.7	1078.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	12.8	1.5	110.3
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	10.7	2903.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1152.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1651.9
5	L SMITH EXCHANGE	1.5	438.8	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1557.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1198.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 1, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 1	163.0	3.5	0.0	166.5	0.00	166.5	3.5	0.0	0.0	163.0	0.0	0.0
9	Howell to Chilly		Aug 1	0.0	74.3	0.0	-88.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Aug 1	182.8	31.1	0.0	213.9	0.00	291.7	27.1	4.0	0.0	190.2	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 1	407.0	0.0	0.0	182.8	0.00	182.8	4.9		0.0	177.9	229.1	0.0
6	Reservoir to 2B		Aug 1	401.0	6.0	0.0	0.0	0.00	182.8	5.8	0.2	0.0	172.1	228.9	0.0
5	2B to Leslie		Aug 1	297.0	49.0	0.0	-55.0	0.14	182.8	34.2	14.8	0.0	114.2	182.8	0.0
4	Leslie to Moore		Aug 1	0.0	96.9	0.0	-178.5	0.60	182.8	40.1	56.8	0.0	5.4	-5.4	0.0
2	Moore to blw Munsey		Aug 1	0.0	36.7	27.3	-4.4	0.21	182.8	4.3	12.8	19.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 1	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	190.9	92.0	19.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 1	0.0	0.0		19171003	100%
9	Howell to Chilly	Aug 1	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Aug 1	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Aug 1	0.0	0.0		18851002	93%
6	Reservoir to 2B	Aug 1	0.0	0.0		18851002	93%
5	2B to Leslie	Aug 1	23.6	31.4		18851002	93%
4	Leslie to Moore	Aug 1	68.7	109.9		18851002	93%
2	Moore to blw Munsey	Aug 1	1.1	3.3		18851002	93%
1	Blw Munsey to Arco	Aug 1	0.0	0.0		18851002	93%
	TOTAL		93.4	144.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	552.2
2	18810630	1.7	294.0	293.4
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54305.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
22790.0	22320.0	-470.0	-237.0	12.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16795.1
Total Storage Loss	-17437.1
Total Storage Deliver	-12016.2
Total Evaporation	-2203.1
Accounting Balance	22318.7
Current Res Content	22320.0
Storage Balance Error	-1.3

DAILY STORAGE BALANCE

22790.0 Reservoir Content Previous Day [ac-ft]
22320.0 Reservoir Content Current Day [ac-ft]
-470.0 Physical Change in Storage [ac-ft]

9.7 Storage Allocated to Mackay Reservoir [ac-ft]

-286.8 Stored Flow Losses [ac-ft]
-31.4 2B to Leslie [cfs]
-109.9 Leslie to Moore [cfs]
-3.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-167.8 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.2 Reservoir to 2B [cfs]
14.8 2B to Leslie [cfs]
56.8 Leslie to Moore [cfs]
12.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-25.3 Evaporation [ac-ft]

-470.2 Accounting Change in Storage [ac-ft]

-0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

182.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

182.8 Total Available Natural Flow [cfs]

4.9 Reservoir Rights Diverted [cfs]

93.4 Natural Flow Losses below Reservoir [cfs]
23.6 2B to Leslie [cfs]
68.7 Leslie to Moore [cfs]
1.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

84.4 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
5.8 Reservoir to 2B [cfs]
34.2 2B to Leslie [cfs]
40.1 Leslie to Moore [cfs]
4.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

182.7 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.8	490
Eastside Felton Wier +	15.4	770
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	52.5	2625
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	30.7	1535
Total Out	37.7	1884

Abbreviated Reach Delivery Factor	0.72
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 71.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 19.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 11.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 15.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 71.9%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 21.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 16.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 55.0%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 51.6%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 1, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	100.7
9	KENT	4.7	0.3	3.2	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	4.0	0.0	216.6
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	5.1	353.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	9.6	1027.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	77.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	409.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	100.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	266.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	665.6	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	72.6	39.7	4862.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	16.3	14.5	1107.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	12.8	1.3	112.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	11.5	2926.2
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1186.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1679.7
5	L SMITH EXCHANGE	1.5	444.7	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1583.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1218.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 2, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 2	155.0	3.5	0.0	158.5	0.00	158.5	3.5	0.0	0.0	155.0	0.0	0.0
9	Howell to Chilly		Aug 2	0.0	74.3	0.0	-80.7	1.00	77.8	70.9	3.4	0.0	3.4	-3.4	0.0
8	Chilly to Reservoir	*	Aug 2	184.7	31.1	0.0	215.8	0.00	293.6	27.1	4.0	0.0	192.0	-7.4	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 2	407.0	0.0	0.0	184.7	0.00	184.7	2.5		0.0	182.2	224.8	0.0
6	Reservoir to 2B		Aug 2	401.0	6.0	0.0	0.0	0.00	184.7	5.8	0.2	0.0	176.3	224.7	0.0
5	2B to Leslie		Aug 2	297.0	49.0	0.0	-55.0	0.14	184.7	33.0	16.0	0.0	119.2	177.8	0.0
4	Leslie to Moore		Aug 2	0.0	95.8	0.0	-178.3	0.60	184.7	41.3	54.6	0.0	6.4	-6.4	0.0
2	Moore to blw Munsey		Aug 2	0.0	36.3	27.3	-7.4	0.32	184.7	4.3	11.2	20.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 2	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	188.4	89.4	20.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 2	0.0	0.0		19171003	100%
9	Howell to Chilly	Aug 2	0.0	0.0		19171003	100%
8	Chilly to Reservoir	Aug 2	0.0	0.0		19171003	100%
	Disconnected						
7	Mackay Reservoir	Aug 2	0.0	0.0		18860501	82%
6	Reservoir to 2B	Aug 2	0.0	0.0		18860501	82%
5	2B to Leslie	Aug 2	24.2	30.8		18860501	82%
4	Leslie to Moore	Aug 2	71.5	106.7		18860501	82%
2	Moore to blw Munsey	Aug 2	2.1	5.3		18860501	82%
1	Blw Munsey to Arco	Aug 2	0.0	0.0		18860501	82%
	TOTAL		97.8	142.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
22320.0	21850.0	-470.0	-237.0	14.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-17720.3
Total Storage Deliver	-12178.9
Total Evaporation	-2232.1
Accounting Balance	21848.7
Current Res Content	21850.0
Storage Balance Error	-1.3

DAILY STORAGE BALANCE

22320.0	Reservoir Content Previous Day [ac-ft]
21850.0	Reservoir Content Current Day [ac-ft]
-470.0	Physical Change in Storage [ac-ft]
4.9	Storage Allocated to Mackay Reservoir [ac-ft]
-283.2	Stored Flow Losses [ac-ft]
-30.8	2B to Leslie [cfs]
-106.7	Leslie to Moore [cfs]
-5.3	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-162.6	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.2	Reservoir to 2B [cfs]
16.0	2B to Leslie [cfs]
54.6	Leslie to Moore [cfs]
11.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-29.0	Evaporation [ac-ft]
-469.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

184.7	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
184.7	Total Available Natural Flow [cfs]
2.5	Reservoir Rights Diverted [cfs]
97.8	Natural Flow Losses below Reservoir [cfs]
24.2	2B to Leslie [cfs]
71.5	Leslie to Moore [cfs]
2.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
84.4	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
5.8	Reservoir to 2B [cfs]
33.0	2B to Leslie [cfs]
41.3	Leslie to Moore [cfs]
4.3	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
184.7	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	10.7	535
Eastside Felton Wier +	15.7	785
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	53.7	2685
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	33.9	1695
Total Out	40.9	2044

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.76

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 76.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 20.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 13.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 17.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 75.2%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 22.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 60.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 57.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 2, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	101.0
9	KENT	4.7	0.3	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	6.9	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	4.0	0.0	216.7
9	BITTON	4.7	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	5.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	8.0	369.4
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	8.0	1043.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	19.0	1.2	79.6	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	1.5	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	30.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	413.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	102.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	269.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	4.0	673.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	71.5	38.8	4939.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.8	11.7	1130.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	12.4	0.4	113.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	10.8	2947.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	3.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	4.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1221.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1707.5
5	L SMITH EXCHANGE	4.0	460.6	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1608.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1238.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 3, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 3	150.0	3.5	0.0	153.5	0.00	153.5	3.5	0.0	0.0	150.0	0.0	0.0
9	Howell to Chilly		Aug 3	0.0	43.8	0.0	-106.2	1.00	47.3	43.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 3	181.7	25.6	0.0	207.3	0.00	254.6	20.6	5.0	0.0	187.5	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 3	402.0	0.0	0.0	181.7	0.00	181.7	0.0		0.0	181.7	220.3	0.0
6	Reservoir to 2B		Aug 3	396.0	6.0	0.0	0.0	0.00	181.7	5.8	0.2	0.0	175.9	220.1	0.0
5	2B to Leslie		Aug 3	294.0	50.0	0.0	-52.0	0.13	181.7	39.5	10.5	0.0	113.3	180.7	0.0
4	Leslie to Moore		Aug 3	0.0	92.0	0.0	-181.0	0.62	181.7	37.8	54.2	0.0	5.7	-5.7	0.0
2	Moore to blw Munsey		Aug 3	0.0	36.3	27.3	-5.2	0.25	181.7	4.3	11.5	20.5	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 3	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	154.5	82.2	20.5			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 3	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 3	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 3	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 3	0.0	0.0		18860601	4%
6	Reservoir to 2B	Aug 3	0.0	0.0		18860601	4%
5	2B to Leslie	Aug 3	23.1	28.9		18860601	4%
4	Leslie to Moore	Aug 3	69.8	111.2		18860601	4%
2	Moore to blw Munsey	Aug 3	1.4	3.8		18860601	4%
1	Blw Munsey to Arco	Aug 3	0.0	0.0		18860601	4%
	TOTAL		94.3	143.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
21850.0	21390.0	-460.0	-231.9	11.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-18005.7
Total Storage Deliver	-12330.4
Total Evaporation	-2255.2
Accounting Balance	21388.8
Current Res Content	21390.0
Storage Balance Error	-1.2

DAILY STORAGE BALANCE

21850.0	Reservoir Content Previous Day [ac-ft]
21390.0	Reservoir Content Current Day [ac-ft]
-460.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-285.4	Stored Flow Losses [ac-ft]
-28.9	2B to Leslie [cfs]
-111.2	Leslie to Moore [cfs]
-3.8	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-151.6	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.2	Reservoir to 2B [cfs]
10.5	2B to Leslie [cfs]
54.2	Leslie to Moore [cfs]
11.5	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-23.0	Evaporation [ac-ft]
-460.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

181.7	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
181.7	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
94.3	Natural Flow Losses below Reservoir [cfs]
23.1	2B to Leslie [cfs]
69.8	Leslie to Moore [cfs]
1.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
87.4	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
5.8	Reservoir to 2B [cfs]
39.5	2B to Leslie [cfs]
37.8	Leslie to Moore [cfs]
4.3	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
181.7	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	10.8	540
Eastside Felton Wier +	13.5	675
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	51.6	2580
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	31.7	1585
Total Out	38.7	1934

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.75

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 75.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 20.5 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 11.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 15.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 71.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 21.0 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 15.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 56.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 53.5%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	6.0	0.2	101.3
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	4.0	0.0	216.7
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	4.0	377.2
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	6.6	1056.8
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	80.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	417.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	102.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	272.9
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	683.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	68.5	40.3	5019.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	15.8	11.6	1153.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	12.4	0.5	114.6
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	11.0	2969.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1256.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1735.2
5	L SMITH EXCHANGE	4.0	476.4	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1633.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1259.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 4, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 4	144.0	3.5	0.0	147.5	0.00	147.5	3.5	0.0	0.0	144.0	0.0	0.0
9	Howell to Chilly		Aug 4	0.0	43.8	0.0	-100.2	1.00	47.3	43.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 4	166.2	25.6	0.0	191.8	0.00	239.0	20.6	5.0	0.0	172.0	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 4	407.6	0.0	0.0	166.2	0.00	166.2	0.0		0.0	166.2	241.4	0.0
6	Reservoir to 2B		Aug 4	403.0	4.6	0.0	0.0	0.00	166.2	4.5	0.1	0.0	161.7	241.3	0.0
5	2B to Leslie		Aug 4	298.0	50.0	0.0	-55.0	0.14	166.2	38.5	11.5	0.0	101.2	196.8	0.0
4	Leslie to Moore		Aug 4	0.0	91.5	0.0	-184.8	0.62	166.2	35.3	56.2	0.0	3.1	-3.1	0.0
2	Moore to blw Munsey		Aug 4	0.0	35.5	27.3	-6.1	0.28	166.2	2.3	13.4	19.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 4	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 147.6 87.0 19.9

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 4	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 4	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 4	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 4	0.0	0.0		18851002	58%
6	Reservoir to 2B	Aug 4	0.0	0.0		18851002	58%
5	2B to Leslie	Aug 4	22.1	32.9		18851002	58%
4	Leslie to Moore	Aug 4	62.7	122.0		18851002	58%
2	Moore to blw Munsey	Aug 4	0.9	5.2		18851002	58%
1	Blw Munsey to Arco	Aug 4	0.0	0.0		18851002	58%
	TOTAL		85.7	160.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
21390.0	20890.0	-500.0	-252.1	10.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-18323.3
Total Storage Deliver	-12491.5
Total Evaporation	-2276.3
Accounting Balance	20889.0
Current Res Content	20890.0
Storage Balance Error	-1.0

DAILY STORAGE BALANCE

21390.0	Reservoir Content Previous Day [ac-ft]
20890.0	Reservoir Content Current Day [ac-ft]
-500.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-317.6	Stored Flow Losses [ac-ft]
-32.9	2B to Leslie [cfs]
-122.0	Leslie to Moore [cfs]
-5.2	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-161.0	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
11.5	2B to Leslie [cfs]
56.2	Leslie to Moore [cfs]
13.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-21.1	Evaporation [ac-ft]
-499.7	Accounting Change in Storage [ac-ft]
0.3	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

166.2	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
166.2	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
85.7	Natural Flow Losses below Reservoir [cfs]
22.1	2B to Leslie [cfs]
62.7	Leslie to Moore [cfs]
0.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
80.6	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
4.5	Reservoir to 2B [cfs]
38.5	2B to Leslie [cfs]
35.3	Leslie to Moore [cfs]
2.3	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
166.3	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.9	495
Eastside Felton Wier +	15.1	755
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	0.0	0
Total In	52.3	2615
Groundwater to Arco	12.1	605
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	2.0	100
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	31.1	1555
Total Out	38.1	1904

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.73

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 72.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 19.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 11.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 15.4 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 70.9%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 21.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 16.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 54.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 51.7%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 4, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.6	0.1	101.5
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	4.0	0.0	216.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	24.0	4.1	385.4
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	7.4	1071.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	81.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	420.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	102.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	276.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	693.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	68.0	39.9	5098.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	16.3	14.5	1181.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	11.6	1.4	117.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	11.9	2993.0
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1291.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1763.0
5	L SMITH EXCHANGE	4.0	492.3	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1659.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1279.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	0.0	1644.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 5, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 5	139.0	3.5	0.0	142.5	0.00	142.5	3.5	0.0	0.0	139.0	0.0	0.0
9	Howell to Chilly		Aug 5	0.0	40.8	0.0	-98.2	1.00	44.3	40.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 5	171.0	25.6	0.0	196.6	0.00	240.9	20.6	5.0	0.0	176.8	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 5	408.6	0.0	0.0	171.0	0.00	171.0	0.0		0.0	171.0	237.6	0.0
6	Reservoir to 2B		Aug 5	404.0	4.6	0.0	0.0	0.00	171.0	4.5	0.1	0.0	166.5	237.5	0.0
5	2B to Leslie		Aug 5	296.0	53.0	0.0	-55.0	0.14	171.0	43.1	9.9	0.0	100.7	195.3	0.0
4	Leslie to Moore		Aug 5	0.0	93.5	0.0	-184.2	0.62	171.0	37.8	55.7	0.0	0.3	-0.3	0.0
2	Moore to blw Munsey		Aug 5	0.0	40.4	35.3	-2.2	0.12	171.0	0.2	15.9	24.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 5	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 149.6 87.4 24.3

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 5	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 5	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 5	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 5	0.0	0.0		18851002	6%
6	Reservoir to 2B	Aug 5	0.0	0.0		18851002	6%
5	2B to Leslie	Aug 5	22.7	32.3		18851002	6%
4	Leslie to Moore	Aug 5	62.7	121.5		18851002	6%
2	Moore to blw Munsey	Aug 5	0.0	2.2		18851002	6%
1	Blw Munsey to Arco	Aug 5	0.0	0.0		18851002	6%
	TOTAL		85.4	156.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
20890.0	20400.0	-490.0	-247.0	9.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-18632.7
Total Storage Deliver	-12653.3
Total Evaporation	-2294.9
Accounting Balance	20399.1
Current Res Content	20400.0
Storage Balance Error	-0.9

DAILY STORAGE BALANCE

20890.0 Reservoir Content Previous Day [ac-ft]
20400.0 Reservoir Content Current Day [ac-ft]
-490.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-309.4 Stored Flow Losses [ac-ft]
-32.3 2B to Leslie [cfs]
-121.5 Leslie to Moore [cfs]
-2.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-161.8 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
9.9 2B to Leslie [cfs]
55.7 Leslie to Moore [cfs]
15.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-18.7 Evaporation [ac-ft]

-489.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

171.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

171.0 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

85.4 Natural Flow Losses below Reservoir [cfs]
22.7 2B to Leslie [cfs]
62.7 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

85.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
4.5 Reservoir to 2B [cfs]
43.1 2B to Leslie [cfs]
37.8 Leslie to Moore [cfs]
0.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

171.0 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	9.8	490
Eastside Felton Wier +	14.8	740
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	59.9	2994
Groundwater to Arco	20.1	1004
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	33.6	1680
Total Out	41.3	2064

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.69

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 68.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 24.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 9.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 13.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 73.6%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 18.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 18.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 54.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 50.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 5, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.6	0.1	101.7
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	9.0	0.0	216.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	0.9	387.2
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	9.0	1089.4
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	81.8	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	6.0	1.8	424.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	102.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	279.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	703.3	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	68.1	40.3	5178.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	18.4	14.6	1211.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.5	2.5	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.9	13.3	3019.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1326.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1790.8
5	L SMITH EXCHANGE	4.0	508.2	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1684.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1299.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	1676.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 6, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 6	135.0	3.5	0.0	138.5	0.00	138.5	3.5	0.0	0.0	135.0	0.0	0.0
9	Howell to Chilly		Aug 6	0.0	40.8	0.0	-94.2	1.00	44.3	40.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 6	183.7	25.6	0.0	209.3	0.00	253.6	20.6	5.0	0.0	189.5	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 6	410.0	0.0	0.0	183.7	0.00	183.7	0.0		0.0	183.7	226.3	0.0
6	Reservoir to 2B		Aug 6	406.0	4.0	0.0	0.0	0.00	183.7	3.9	0.1	0.0	179.8	226.2	0.0
5	2B to Leslie		Aug 6	287.0	50.0	0.0	-69.0	0.17	183.7	40.1	9.9	0.0	109.2	177.8	0.0
4	Leslie to Moore		Aug 6	0.0	94.7	0.0	-174.7	0.61	183.7	39.4	55.3	0.0	3.3	-3.3	0.0
2	Moore to blw Munsey		Aug 6	0.0	39.5	35.3	-3.8	0.22	183.7	2.6	11.2	25.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 6	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 150.1 82.3 25.7

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 6	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 6	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 6	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 6	0.0	0.0		18860601	19%
6	Reservoir to 2B	Aug 6	0.0	0.0		18860601	19%
5	2B to Leslie	Aug 6	30.6	38.4		18860601	19%
4	Leslie to Moore	Aug 6	66.4	108.2		18860601	19%
2	Moore to blw Munsey	Aug 6	0.7	3.1		18860601	19%
1	Blw Munsey to Arco	Aug 6	0.0	0.0		18860601	19%
	TOTAL		97.7	149.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
20400.0	19930.0	-470.0	-237.0	10.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-18929.6
Total Storage Deliver	-12805.1
Total Evaporation	-2316.1
Accounting Balance	19929.3
Current Res Content	19930.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

20400.0	Reservoir Content Previous Day [ac-ft]
19930.0	Reservoir Content Current Day [ac-ft]
-470.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-296.9	Stored Flow Losses [ac-ft]
-38.4	2B to Leslie [cfs]
-108.2	Leslie to Moore [cfs]
-3.1	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-151.7	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
9.9	2B to Leslie [cfs]
55.3	Leslie to Moore [cfs]
11.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-21.2	Evaporation [ac-ft]
-469.8	Accounting Change in Storage [ac-ft]
0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

183.7	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
183.7	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
97.7	Natural Flow Losses below Reservoir [cfs]
30.6	2B to Leslie [cfs]
66.4	Leslie to Moore [cfs]
0.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
86.0	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.9	Reservoir to 2B [cfs]
40.1	2B to Leslie [cfs]
39.4	Leslie to Moore [cfs]
2.6	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
183.7	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.9	445
Eastside Felton Wier +	11.1	555
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	55.3	2764
Groundwater to Arco	20.1	1004
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	34.6	1730
Total Out	40.3	2014

Abbreviated Reach Delivery Factor	0.73

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 72.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 25.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 12.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 69.2%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 17.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 54.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 50.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 6, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.1	101.9
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.0	0.0	216.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	0.9	389.1
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	9.0	1107.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	82.6	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.3	436.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	103.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	282.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	713.2	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	68.5	39.9	5257.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.8	8.5	1227.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.5	-0.7	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	11.9	3043.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

EXCHANGE PUMP	CFS PUMPED	AF YTD	EXCHANGE PUMP	CFS PUMPED	AF YTD	EXCHANGE PUMP	CFS PUMPED	AF YTD
8 Neilsen Injectio	0.0	0.0	2 POTTER EXCHANGE	0.0	0.0	2 ISOM 2 EXCHANGE	8.8	1361.5
5 JM SMITH EXCHANG	0.0	0.0	2 JENSEN EXCHANGE	0.0	102.2	2 QUIST EXCHANGE P	7.0	1818.6
5 L SMITH EXCHANGE	4.0	524.0	2 ISOM 1 EXCHANGE	0.0	874.8	2 SCHUREMAN EXCHAN	6.4	1710.1
5 PEHRSON EXCHANGE	0.0	0.0	2 PARKINSON EXCHAN	0.0	804.5	2 RASMUSSEN EXCHAN	5.1	1319.9
2 FOLKMAN EXCHANGE	0.0	0.0	2 MCDONALD EXCHANG	8.0	1708.1	2 WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 7, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 7	130.0	3.5	0.0	133.5	0.00	133.5	3.5	0.0	0.0	130.0	0.0	0.0
9	Howell to Chilly		Aug 7	0.0	40.8	0.0	-89.2	1.00	44.3	40.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 7	184.8	25.6	0.0	210.4	0.00	254.7	20.6	5.0	0.0	190.6	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 7	416.0	0.0	0.0	184.8	0.00	184.8	0.0		0.0	184.8	231.2	0.0
6	Reservoir to 2B		Aug 7	413.0	3.0	0.0	0.0	0.00	184.8	2.9	0.1	0.0	181.9	231.1	0.0
5	2B to Leslie		Aug 7	283.0	52.0	0.0	-78.0	0.19	184.8	42.1	9.9	0.0	105.5	177.5	0.0
4	Leslie to Moore		Aug 7	0.0	92.9	0.0	-173.6	0.61	184.8	37.3	55.6	0.0	3.5	-3.5	0.0
2	Moore to blw Munsey		Aug 7	0.0	39.5	35.3	-4.2	0.25	184.8	2.6	9.8	27.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 7	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	148.9	81.2	27.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 7	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 7	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 7	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 7	0.0	0.0		18860501	37%
6	Reservoir to 2B	Aug 7	0.0	0.0		18860501	37%
5	2B to Leslie	Aug 7	34.4	43.6		18860501	37%
4	Leslie to Moore	Aug 7	64.7	108.9		18860501	37%
2	Moore to blw Munsey	Aug 7	0.9	3.3		18860501	37%
1	Blw Munsey to Arco	Aug 7	0.0	0.0		18860501	37%
	TOTAL		100.0	155.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
19930.0	19450.0	-480.0	-242.0	10.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-19238.6
Total Storage Deliver	-12954.6
Total Evaporation	-2337.6
Accounting Balance	19449.3
Current Res Content	19450.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

19930.0	Reservoir Content Previous Day [ac-ft]
19450.0	Reservoir Content Current Day [ac-ft]
-480.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-309.0	Stored Flow Losses [ac-ft]
-43.6	2B to Leslie [cfs]
-108.9	Leslie to Moore [cfs]
-3.3	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-149.5	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
9.9	2B to Leslie [cfs]
55.6	Leslie to Moore [cfs]
9.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-21.5	Evaporation [ac-ft]
-480.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

184.8	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
184.8	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
100.0	Natural Flow Losses below Reservoir [cfs]
34.4	2B to Leslie [cfs]
64.7	Leslie to Moore [cfs]
0.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
84.9	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
2.9	Reservoir to 2B [cfs]
42.1	2B to Leslie [cfs]
37.3	Leslie to Moore [cfs]
2.6	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
184.9	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	8.6	430
Eastside Felton Wier +	9.9	495
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	53.8	2689
Groundwater to Arco	20.1	1004
Groundwater to Munsey	15.2	760

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	35.7	1785
Total Out	41.4	2069

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.77

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 76.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 27.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 11.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 67.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 16.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 55.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 51.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 7, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.1	102.1
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.0	216.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	0.9	390.9
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	9.0	1125.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	83.4	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.3	449.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	105.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	285.6
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	723.1	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	66.7	38.9	5334.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.6	9.5	1246.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.5	-1.6	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	11.3	3065.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1396.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1846.3
5	L SMITH EXCHANGE	4.0	539.9	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1735.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1340.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	1739.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 8, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 8	126.0	3.5	0.0	129.5	0.00	129.5	3.5	0.0	0.0	126.0	0.0	0.0
9	Howell to Chilly		Aug 8	0.0	40.8	0.0	-85.2	1.00	44.3	40.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 8	178.7	25.6	0.0	204.3	0.00	248.5	20.6	5.0	0.0	184.5	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 8	415.0	0.0	0.0	178.7	0.00	178.7	0.0		0.0	178.7	236.3	0.0
6	Reservoir to 2B		Aug 8	412.0	3.0	0.0	0.0	0.00	178.7	2.9	0.1	0.0	175.8	236.2	0.0
5	2B to Leslie		Aug 8	283.0	54.0	0.0	-75.0	0.18	178.7	39.8	14.2	0.0	104.0	179.0	0.0
4	Leslie to Moore		Aug 8	0.0	92.8	0.0	-177.0	0.63	178.7	35.9	56.9	0.0	3.0	-3.0	0.0
2	Moore to blw Munsey		Aug 8	0.0	39.5	35.3	-2.9	0.22	178.7	2.3	7.9	29.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 8	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		145.0	84.9	29.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 8	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 8	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 8	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 8	0.0	0.0		18860501	2%
6	Reservoir to 2B	Aug 8	0.0	0.0		18860501	2%
5	2B to Leslie	Aug 8	32.0	43.0		18860501	2%
4	Leslie to Moore	Aug 8	65.0	112.0		18860501	2%
2	Moore to blw Munsey	Aug 8	0.7	2.3		18860501	2%
1	Blw Munsey to Arco	Aug 8	0.0	0.0		18860501	2%
	TOTAL		97.7	157.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
19450.0	18960.0	-490.0	-247.0	10.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-19550.6
Total Storage Deliver	-13111.5
Total Evaporation	-2358.8
Accounting Balance	18959.2
Current Res Content	18960.0
Storage Balance Error	-0.8

DAILY STORAGE BALANCE

19450.0 Reservoir Content Previous Day [ac-ft]
18960.0 Reservoir Content Current Day [ac-ft]
-490.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-312.0 Stored Flow Losses [ac-ft]
-43.0 2B to Leslie [cfs]
-112.0 Leslie to Moore [cfs]
-2.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-156.9 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
14.2 2B to Leslie [cfs]
56.9 Leslie to Moore [cfs]
7.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-21.2 Evaporation [ac-ft]

-490.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

178.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

178.7 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

97.7 Natural Flow Losses below Reservoir [cfs]
32.0 2B to Leslie [cfs]
65.0 Leslie to Moore [cfs]
0.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

80.9 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.9 Reservoir to 2B [cfs]
39.8 2B to Leslie [cfs]
35.9 Leslie to Moore [cfs]
2.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

178.6 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.7	435
Eastside Felton Wier +	9.8	490
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	53.8	2689
Groundwater to Arco	20.1	1004
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	36.5	1825
Total Out	44.6	2229

Abbreviated Reach Delivery Factor	0.83

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 82.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 29.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 7.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 8.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 66.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 13.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 18.3 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 57.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 55.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 8, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.1	102.3
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.0	216.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	2.7	396.2
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	11.5	1147.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	84.1	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.3	462.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	107.1
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	288.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	733.0	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	61.8	34.7	5403.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	18.3	13.9	1274.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.5	-2.5	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	10.4	3086.1
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1431.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1874.1
5	L SMITH EXCHANGE	4.0	555.8	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1760.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1360.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	1771.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 9, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 9	124.0	3.5	0.0	127.5	0.00	127.5	3.5	0.0	0.0	124.0	0.0	0.0
9	Howell to Chilly		Aug 9	0.0	40.8	0.0	-83.2	1.00	44.3	40.0	0.8	0.0	0.8	-0.8	0.0
8	Chilly to Reservoir	*	Aug 9	191.8	25.6	0.0	217.4	0.00	261.7	20.6	5.0	0.0	197.7	-5.8	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 9	423.0	0.0	0.0	191.8	0.00	191.8	0.0		0.0	191.8	231.2	0.0
6	Reservoir to 2B		Aug 9	420.0	3.0	0.0	0.0	0.00	191.8	2.9	0.1	0.0	189.0	231.0	0.0
5	2B to Leslie		Aug 9	289.0	54.0	0.0	-77.0	0.18	191.8	39.8	14.2	0.0	114.5	174.5	0.0
4	Leslie to Moore		Aug 9	0.0	92.4	0.0	-183.0	0.63	191.8	38.3	54.0	0.0	3.7	-3.7	0.0
2	Moore to blw Munsey		Aug 9	0.0	39.5	35.3	-5.0	0.36	191.8	2.3	6.3	30.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 9	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	147.4	80.4	30.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 9	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 9	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 9	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 9	0.0	0.0		18860501	48%
6	Reservoir to 2B	Aug 9	0.0	0.0		18860501	48%
5	2B to Leslie	Aug 9	34.6	42.4		18860501	48%
4	Leslie to Moore	Aug 9	72.5	110.5		18860501	48%
2	Moore to blw Munsey	Aug 9	1.3	3.6		18860501	48%
1	Blw Munsey to Arco	Aug 9	0.0	0.0		18860501	48%
	TOTAL		108.4	156.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
18960.0	18480.0	-480.0	-242.0	10.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-19861.0
Total Storage Deliver	-13259.5
Total Evaporation	-2380.3
Accounting Balance	18479.3
Current Res Content	18480.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

18960.0 Reservoir Content Previous Day [ac-ft]
18480.0 Reservoir Content Current Day [ac-ft]
-480.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-310.4 Stored Flow Losses [ac-ft]
-42.4 2B to Leslie [cfs]
-110.5 Leslie to Moore [cfs]
-3.6 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-148.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
14.2 2B to Leslie [cfs]
54.0 Leslie to Moore [cfs]
6.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-21.5 Evaporation [ac-ft]

-480.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

191.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

191.8 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

108.4 Natural Flow Losses below Reservoir [cfs]
34.6 2B to Leslie [cfs]
72.5 Leslie to Moore [cfs]
1.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

83.3 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.9 Reservoir to 2B [cfs]
39.8 2B to Leslie [cfs]
38.3 Leslie to Moore [cfs]
2.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

191.7 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.8	440
Eastside Felton Wier +	9.6	480
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	0.0	0
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	0.0	0
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	53.7	2684
Groundwater to Arco	20.1	1004
Groundwater to Munsey	15.2	760

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.6	180
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	38.8	1940
Total Out	46.9	2344

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.87

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 87.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 30.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 9.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 66.9%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 13.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 17.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 60.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 58.5%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 9, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.5	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.1	102.6
9	KENT	5.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.0	216.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	0.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	2.7	401.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	11.5	1170.7
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	8.4	0.4	84.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	19.2	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.3	474.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	292.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	743.0	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	61.4	34.4	5471.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	17.4	10.5	1295.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.5	-3.4	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	9.7	3105.4
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1466.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1901.9
5	L SMITH EXCHANGE	4.0	571.6	2	ISOM 1 EXCHANGE	0.0	874.8	2	SCHUREMAN EXCHAN	6.4	1786.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	0.0	804.5	2	RASMUSSEN EXCHAN	5.1	1380.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	1803.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 10, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 10	121.0	3.0	0.0	124.0	0.00	124.0	3.0	0.0	0.0	121.0	0.0	0.0
9	Howell to Chilly		Aug 10	0.0	36.7	0.0	-84.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 10	190.2	26.4	0.0	216.5	0.00	256.2	24.4	2.0	0.0	192.4	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 10	431.0	0.0	0.0	190.2	0.00	190.2	0.0		0.0	190.2	240.8	0.0
6	Reservoir to 2B		Aug 10	428.0	3.0	0.0	0.0	0.00	190.2	2.9	0.1	0.0	187.3	240.7	0.0
5	2B to Leslie		Aug 10	300.0	57.0	0.0	-71.0	0.17	190.2	42.8	14.2	0.0	113.4	186.6	0.0
4	Leslie to Moore		Aug 10	0.0	90.9	0.0	-195.2	0.65	190.2	39.6	51.3	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 10	0.0	37.4	52.1	-10.9	0.78	190.2	0.0	3.0	34.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 10	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		149.2	70.8	34.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 10	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 10	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 10	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 10	0.0	0.0		18860501	33%
6	Reservoir to 2B	Aug 10	0.0	0.0		18860501	33%
5	2B to Leslie	Aug 10	31.1	39.9		18860501	33%
4	Leslie to Moore	Aug 10	73.8	121.4		18860501	33%
2	Moore to blw Munsey	Aug 10	0.0	10.9		18860501	33%
1	Blw Munsey to Arco	Aug 10	0.0	0.0		18860501	33%
	TOTAL		104.9	172.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
18480.0	17980.0	-500.0	-252.1	11.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-20202.6
Total Storage Deliver	-13395.6
Total Evaporation	-2402.6
Accounting Balance	17979.3
Current Res Content	17980.0
Storage Balance Error	-0.7

DAILY STORAGE BALANCE

18480.0 Reservoir Content Previous Day [ac-ft]
17980.0 Reservoir Content Current Day [ac-ft]
-500.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-341.6 Stored Flow Losses [ac-ft]
-39.9 2B to Leslie [cfs]
-121.4 Leslie to Moore [cfs]
-10.9 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-136.1 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.1 Reservoir to 2B [cfs]
14.2 2B to Leslie [cfs]
51.3 Leslie to Moore [cfs]
3.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-22.3 Evaporation [ac-ft]

-500.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

190.2 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

190.2 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

104.9 Natural Flow Losses below Reservoir [cfs]
31.1 2B to Leslie [cfs]
73.8 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

85.3 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
2.9 Reservoir to 2B [cfs]
42.8 2B to Leslie [cfs]
39.6 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

190.2 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.3	465
Eastside Felton Wier +	12.1	605
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	73.5	3674
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	40.6	2030
Total Out	48.5	2424

Abbreviated Reach Delivery Factor	0.66

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 66.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 34.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 6.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 9.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 68.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 13.9 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 20.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 48.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 44.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	3.0	0.1	102.8
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	8.0	0.0	216.8
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	25.0	2.6	406.8
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	11.5	1193.6
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	85.3	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.6	487.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	746.9	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	61.4	32.9	5536.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	20.7	13.8	1322.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	14.4	-0.2	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	3.2	3111.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1501.1
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1929.6
5	L SMITH EXCHANGE	4.0	587.5	2	ISOM 1 EXCHANGE	9.7	913.3	2	SCHUREMAN EXCHAN	6.4	1811.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	824.7	2	RASMUSSEN EXCHAN	5.1	1400.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	1842.7	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 11, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 11	117.0	3.0	0.0	120.0	0.00	120.0	3.0	0.0	0.0	117.0	0.0	0.0
9	Howell to Chilly		Aug 11	0.0	36.7	0.0	-80.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 11	190.1	26.4	0.0	216.5	0.00	256.1	24.4	2.0	0.0	192.3	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 11	422.0	0.0	0.0	190.1	0.00	190.1	0.0		0.0	190.1	231.9	0.0
6	Reservoir to 2B		Aug 11	417.0	5.0	0.0	0.0	0.00	190.1	4.7	0.3	0.0	185.4	231.6	0.0
5	2B to Leslie		Aug 11	289.0	52.8	0.0	-75.2	0.18	190.1	36.8	16.0	0.0	115.2	173.8	0.0
4	Leslie to Moore		Aug 11	0.0	90.6	0.0	-181.7	0.63	190.1	42.8	47.8	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 11	0.0	37.4	52.1	-17.4	1.04	190.1	0.0	-0.8	38.2	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 11	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	148.1	65.5	38.2			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 11	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 11	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 11	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 11	0.0	0.0		18860501	81%
6	Reservoir to 2B	Aug 11	0.0	0.0		18860501	81%
5	2B to Leslie	Aug 11	33.4	41.8		18860501	81%
4	Leslie to Moore	Aug 11	72.4	109.3		18860501	81%
2	Moore to blw Munsey	Aug 11	0.0	17.4		18860501	81%
1	Blw Munsey to Arco	Aug 11	0.0	0.0		18860501	81%
	TOTAL		105.8	168.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
17980.0	17500.0	-480.0	-242.0	10.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-20536.8
Total Storage Deliver	-13521.1
Total Evaporation	-2422.5
Accounting Balance	17499.6
Current Res Content	17500.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

17980.0	Reservoir Content Previous Day [ac-ft]
17500.0	Reservoir Content Current Day [ac-ft]
-480.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-334.2	Stored Flow Losses [ac-ft]
-41.8	2B to Leslie [cfs]
-109.3	Leslie to Moore [cfs]
-17.4	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-125.7	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.3	Reservoir to 2B [cfs]
16.0	2B to Leslie [cfs]
47.8	Leslie to Moore [cfs]
-0.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-20.0	Evaporation [ac-ft]
-479.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

190.1	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
190.1	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
105.8	Natural Flow Losses below Reservoir [cfs]
33.4	2B to Leslie [cfs]
72.4	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
84.3	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
4.7	Reservoir to 2B [cfs]
36.8	2B to Leslie [cfs]
42.8	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
190.1	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.1	455
Eastside Felton Wier +	13.6	680
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	74.8	3739
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	46.9	2345
Total Out	54.8	2739

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.73

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 73.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 38.2 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 11.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 71.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 16.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 18.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 55.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 52.4%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.3	103.4
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.0	216.8
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	3.9	414.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	12.1	1217.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	85.7	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.6	500.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	750.9	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	62.7	33.2	5602.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	18.0	8.9	1340.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	14.4	-1.8	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	1.0	3113.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1536.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1957.4
5	L SMITH EXCHANGE	4.0	603.4	2	ISOM 1 EXCHANGE	9.7	951.7	2	SCHUREMAN EXCHAN	6.4	1837.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	845.0	2	RASMUSSEN EXCHAN	5.1	1421.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	1882.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 12, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 12	112.0	3.0	0.0	115.0	0.00	115.0	3.0	0.0	0.0	112.0	0.0	0.0
9	Howell to Chilly		Aug 12	0.0	36.7	0.0	-75.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 12	183.1	26.4	0.0	209.5	0.00	249.2	24.4	2.0	0.0	185.3	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 12	422.0	0.0	0.0	183.1	0.00	183.1	0.0		0.0	183.1	238.9	0.0
6	Reservoir to 2B		Aug 12	417.0	5.0	0.0	0.0	0.00	183.1	4.7	0.3	0.0	178.4	238.6	0.0
5	2B to Leslie		Aug 12	293.0	52.8	0.0	-71.2	0.17	183.1	37.3	15.5	0.0	110.6	182.4	0.0
4	Leslie to Moore		Aug 12	0.0	92.6	0.0	-186.7	0.64	183.1	40.1	52.4	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 12	0.0	37.4	52.1	-20.6	1.51	183.1	0.0	-6.9	44.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 12	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured						TOTAL		146.0	63.5	44.3			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 12	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 12	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 12	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 12	0.0	0.0		18860501	50%
6	Reservoir to 2B	Aug 12	0.0	0.0		18860501	50%
5	2B to Leslie	Aug 12	30.5	40.7		18860501	50%
4	Leslie to Moore	Aug 12	70.5	116.2		18860501	50%
2	Moore to blw Munsey	Aug 12	0.0	20.6		18860501	50%
1	Blw Munsey to Arco	Aug 12	0.0	0.0		18860501	50%
	TOTAL		101.0	177.6	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
17500.0	17010.0	-490.0	-247.0	8.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-20888.9
Total Storage Deliver	-13642.7
Total Evaporation	-2438.7
Accounting Balance	17009.7
Current Res Content	17010.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

17500.0	Reservoir Content Previous Day [ac-ft]
17010.0	Reservoir Content Current Day [ac-ft]
-490.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-352.1	Stored Flow Losses [ac-ft]
-40.7	2B to Leslie [cfs]
-116.2	Leslie to Moore [cfs]
-20.6	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-121.5	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.3	Reservoir to 2B [cfs]
15.5	2B to Leslie [cfs]
52.4	Leslie to Moore [cfs]
-6.9	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-16.2	Evaporation [ac-ft]
-489.8	Accounting Change in Storage [ac-ft]
0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

183.1	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
183.1	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
101.0	Natural Flow Losses below Reservoir [cfs]
30.5	2B to Leslie [cfs]
70.5	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
82.1	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
4.7	Reservoir to 2B [cfs]
37.3	2B to Leslie [cfs]
40.1	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
183.1	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.7	435
Eastside Felton Wier +	9.8	490
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	70.6	3529
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	52.2	2610
Total Out	60.1	3004

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.85

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 85.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 44.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 7.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 9.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 67.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 13.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 16.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 59.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 57.4%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.3	104.0
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.0	216.8
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	22.0	3.9	422.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	11.5	1240.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	86.2	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.6	513.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	754.9	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	64.7	35.7	5673.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	16.9	9.9	1360.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	14.4	-4.4	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	-2.5	3113.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1570.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	1985.2
5	L SMITH EXCHANGE	4.0	619.2	2	ISOM 1 EXCHANGE	9.7	990.2	2	SCHUREMAN EXCHAN	6.4	1862.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	865.2	2	RASMUSSEN EXCHAN	5.1	1441.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	1921.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 13, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 13	115.0	3.0	0.0	118.0	0.00	118.0	3.0	0.0	0.0	115.0	0.0	0.0
9	Howell to Chilly		Aug 13	0.0	36.7	0.0	-78.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 13	192.1	26.4	0.0	218.5	0.00	258.2	24.4	2.0	0.0	194.3	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 13	421.0	0.0	0.0	192.1	0.00	192.1	0.0		0.0	192.1	228.9	0.0
6	Reservoir to 2B		Aug 13	416.0	5.0	0.0	0.0	0.00	192.1	4.7	0.3	0.0	187.4	228.6	0.0
5	2B to Leslie		Aug 13	314.0	47.3	0.0	-54.7	0.13	192.1	34.3	13.0	0.0	128.5	185.5	0.0
4	Leslie to Moore		Aug 13	0.0	93.5	0.0	-202.2	0.64	192.1	45.7	47.7	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 13	0.0	40.0	52.1	-22.2	1.21	192.1	0.0	-3.9	43.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 13	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	148.5	59.3	43.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 13	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 13	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 13	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 13	0.0	0.0		18860601	65%
6	Reservoir to 2B	Aug 13	0.0	0.0		18860601	65%
5	2B to Leslie	Aug 13	24.6	30.1		18860601	65%
4	Leslie to Moore	Aug 13	82.8	119.5		18860601	65%
2	Moore to blw Munsey	Aug 13	0.0	22.2		18860601	65%
1	Blw Munsey to Arco	Aug 13	0.0	0.0		18860601	65%
	TOTAL		107.4	171.7	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	387.2
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54310.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
17010.0	16550.0	-460.0	-231.9	3.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16800.1
Total Storage Loss	-21229.7
Total Storage Deliver	-13756.0
Total Evaporation	-2444.7
Accounting Balance	16549.6
Current Res Content	16550.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

17010.0 Reservoir Content Previous Day [ac-ft]
16550.0 Reservoir Content Current Day [ac-ft]
-460.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-340.8 Stored Flow Losses [ac-ft]
-30.1 2B to Leslie [cfs]
-119.5 Leslie to Moore [cfs]
-22.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-113.3 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
13.0 2B to Leslie [cfs]
47.7 Leslie to Moore [cfs]
-3.9 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-6.0 Evaporation [ac-ft]

-460.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

192.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

192.1 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

107.4 Natural Flow Losses below Reservoir [cfs]
24.6 2B to Leslie [cfs]
82.8 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

84.7 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
4.7 Reservoir to 2B [cfs]
34.3 2B to Leslie [cfs]
45.7 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

192.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.2	460
Eastside Felton Wier +	12.4	620
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	73.7	3684
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	2.0	100
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	54.2	2710
Total Out	62.1	3104

Abbreviated Reach Delivery Factor	0.84

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 84.3%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 43.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 10.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 12.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 67.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 18.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 17.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 58.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 56.5%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 13, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.3	104.6
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.0	216.9
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.5	2.5	427.4
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	23.0	10.5	1261.2
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	86.6	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.6	526.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	758.8	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	65.6	33.9	5740.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	17.1	7.3	1374.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-1.6	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	-2.3	3113.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1605.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2012.9
5	L SMITH EXCHANGE	4.0	635.1	2	ISOM 1 EXCHANGE	9.7	1028.7	2	SCHUREMAN EXCHAN	6.4	1887.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	885.4	2	RASMUSSEN EXCHAN	5.1	1461.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	1961.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 14, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 14	123.0	3.0	0.0	126.0	0.00	126.0	3.0	0.0	0.0	123.0	0.0	0.0
9	Howell to Chilly		Aug 14	0.0	36.7	0.0	-86.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 14	194.7	26.4	0.0	221.1	0.00	260.8	24.4	2.0	0.0	196.9	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 14	406.0	0.0	0.0	194.7	0.00	194.7	1.9		0.0	192.8	213.2	0.0
6	Reservoir to 2B		Aug 14	401.0	5.0	0.0	0.0	0.00	194.7	4.7	0.3	0.0	188.1	212.9	0.0
5	2B to Leslie		Aug 14	317.0	47.3	0.0	-36.7	0.09	194.7	38.0	9.3	0.0	132.9	184.1	0.0
4	Leslie to Moore		Aug 14	0.0	89.5	0.0	-201.2	0.63	194.7	48.6	40.9	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 14	0.0	40.0	52.1	-27.1	1.03	194.7	0.0	-0.8	40.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 14	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		156.9	51.9	40.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 14	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 14	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 14	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 14	0.0	0.0		18880601	59%
6	Reservoir to 2B	Aug 14	0.0	0.0		18880601	59%
5	2B to Leslie	Aug 14	17.2	19.5		18880601	59%
4	Leslie to Moore	Aug 14	84.4	116.8		18880601	59%
2	Moore to blw Munsey	Aug 14	0.0	27.1		18880601	59%
1	Blw Munsey to Arco	Aug 14	0.0	0.0		18880601	59%
	TOTAL		101.6	163.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	390.9
4	18960601	6.4	1113.0	749.0
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54313.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
16550.0	16120.0	-430.0	-216.8	5.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16803.8
Total Storage Loss	-21553.8
Total Storage Deliver	-13854.5
Total Evaporation	-2455.6
Accounting Balance	16119.9
Current Res Content	16120.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

16550.0 Reservoir Content Previous Day [ac-ft]
16120.0 Reservoir Content Current Day [ac-ft]
-430.0 Physical Change in Storage [ac-ft]

3.7 Storage Allocated to Mackay Reservoir [ac-ft]

-324.1 Stored Flow Losses [ac-ft]
-19.5 2B to Leslie [cfs]
-116.8 Leslie to Moore [cfs]
-27.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-98.6 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
9.3 2B to Leslie [cfs]
40.9 Leslie to Moore [cfs]
-0.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-10.9 Evaporation [ac-ft]

-429.9 Accounting Change in Storage [ac-ft]

0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

194.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

194.7 Total Available Natural Flow [cfs]

1.9 Reservoir Rights Diverted [cfs]

101.6 Natural Flow Losses below Reservoir [cfs]
17.2 2B to Leslie [cfs]
84.4 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

91.3 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
4.7 Reservoir to 2B [cfs]
38.0 2B to Leslie [cfs]
48.6 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

194.8 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.1	505
Eastside Felton Wier +	18.7	935
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	80.9	4044
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	57.5	2875
Total Out	63.4	3169

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.78

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 78.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 40.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 16.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 21.3 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 80.9%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 26.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.9 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 67.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 63.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 14, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.3	105.2
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.0	216.9
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.5	1.1	429.6
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	23.0	8.2	1277.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	87.0	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	4.2	535.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	762.8	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	65.6	31.8	5803.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.9	3.6	1381.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-0.3	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	-0.5	3113.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1640.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2040.7
5	L SMITH EXCHANGE	4.0	651.0	2	ISOM 1 EXCHANGE	9.7	1067.2	2	SCHUREMAN EXCHAN	6.4	1913.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	905.7	2	RASMUSSEN EXCHAN	5.1	1481.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2001.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 15, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 15	126.0	3.0	0.0	129.0	0.00	129.0	3.0	0.0	0.0	126.0	0.0	0.0
9	Howell to Chilly		Aug 15	0.0	36.7	0.0	-89.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 15	210.9	26.4	0.0	237.3	0.00	277.0	24.4	2.0	0.0	213.1	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 15	385.0	0.0	0.0	210.9	0.00	210.9	4.9		0.0	206.0	179.0	0.0
6	Reservoir to 2B		Aug 15	380.0	5.0	0.0	0.0	0.00	210.9	4.7	0.3	0.0	201.3	178.7	0.0
5	2B to Leslie		Aug 15	301.0	47.8	0.0	-31.2	0.08	210.9	46.2	1.6	0.0	138.6	162.4	0.0
4	Leslie to Moore		Aug 15	0.0	96.1	0.0	-180.6	0.60	210.9	55.4	40.6	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 15	0.0	40.0	52.1	-24.8	1.02	210.9	0.0	-0.4	40.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 15	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 175.1 44.3 40.4

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 15	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 15	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 15	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 15	0.0	0.0		18960601	26%
6	Reservoir to 2B	Aug 15	0.0	0.0		18960601	26%
5	2B to Leslie	Aug 15	16.5	14.7		18960601	26%
4	Leslie to Moore	Aug 15	83.1	97.4		18960601	26%
2	Moore to blw Munsey	Aug 15	0.0	24.8		18960601	26%
1	Blw Munsey to Arco	Aug 15	0.0	0.0		18960601	26%
	TOTAL		99.6	136.9	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	397.3
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54323.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
16120.0	15760.0	-360.0	-181.5	7.4

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16813.5
Total Storage Loss	-21825.3
Total Storage Deliver	-13938.1
Total Evaporation	-2470.3
Accounting Balance	15759.8
Current Res Content	15760.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

16120.0	Reservoir Content Previous Day [ac-ft]
15760.0	Reservoir Content Current Day [ac-ft]
-360.0	Physical Change in Storage [ac-ft]
9.7	Storage Allocated to Mackay Reservoir [ac-ft]
-271.5	Stored Flow Losses [ac-ft]
-14.7	2B to Leslie [cfs]
-97.4	Leslie to Moore [cfs]
-24.8	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-83.5	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.3	Reservoir to 2B [cfs]
1.6	2B to Leslie [cfs]
40.6	Leslie to Moore [cfs]
-0.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-14.7	Evaporation [ac-ft]
-360.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

210.9	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
210.9	Total Available Natural Flow [cfs]
4.9	Reservoir Rights Diverted [cfs]
99.6	Natural Flow Losses below Reservoir [cfs]
16.5	2B to Leslie [cfs]
83.1	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
106.3	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
4.7	Reservoir to 2B [cfs]
46.2	2B to Leslie [cfs]
55.4	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
210.8	Natural Flow Delivered & Lost [cfs]
0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.0	500
Eastside Felton Wier +	17.0	850
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	79.1	3954
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	55.5	2775
Total Out	61.4	3069

Abbreviated Reach Delivery Factor	0.78

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 77.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 40.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 15.1 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 19.4 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 79.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 24.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 12.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 65.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 61.9%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 15, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	5.0	0.3	105.7
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.0	217.0
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.3	430.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	23.0	1.3	1280.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	87.5	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	3.0	541.0
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	766.8	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	72.2	33.4	5870.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.2	3.5	1388.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-0.1	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	-0.3	3113.8
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1675.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2068.5
5	L SMITH EXCHANGE	4.0	666.9	2	ISOM 1 EXCHANGE	9.7	1105.7	2	SCHUREMAN EXCHAN	6.4	1938.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	925.9	2	RASMUSSEN EXCHAN	5.1	1501.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2040.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 16, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 16	137.0	3.0	0.0	140.0	0.00	140.0	3.0	0.0	0.0	137.0	0.0	0.0
9	Howell to Chilly		Aug 16	0.0	36.7	0.0	-100.3	1.00	39.7	36.5	0.2	0.0	0.2	-0.2	0.0
8	Chilly to Reservoir	*	Aug 16	210.0	26.4	0.0	236.4	0.00	276.0	24.4	2.0	0.0	212.2	-2.2	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 16	363.0	0.0	0.0	210.0	0.00	210.0	0.0		0.0	210.0	153.0	0.0
6	Reservoir to 2B		Aug 16	359.0	4.0	0.0	0.0	0.00	210.0	3.7	0.3	0.0	206.3	152.7	0.0
5	2B to Leslie		Aug 16	285.0	45.8	0.0	-28.2	0.08	210.0	35.7	10.1	0.0	154.3	130.7	0.0
4	Leslie to Moore		Aug 16	0.0	96.9	0.0	-167.7	0.59	210.0	50.5	46.4	0.0	13.0	-13.0	0.0
2	Moore to blw Munsey		Aug 16	0.0	40.0	52.1	-19.7	0.97	210.0	0.4	0.3	39.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 16	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	154.2	59.3	39.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 16	0.0	0.0		19120830	100%
9	Howell to Chilly	Aug 16	0.0	0.0		19120830	100%
8	Chilly to Reservoir	Aug 16	0.0	0.0		19120830	100%
	Disconnected						
7	Mackay Reservoir	Aug 16	0.0	0.0		18870601	0%
6	Reservoir to 2B	Aug 16	0.0	0.0		18870601	0%
5	2B to Leslie	Aug 16	16.2	12.0		18870601	0%
4	Leslie to Moore	Aug 16	90.8	76.9		18870601	0%
2	Moore to blw Munsey	Aug 16	12.5	7.1		18870601	0%
1	Blw Munsey to Arco	Aug 16	0.0	0.0		18870601	0%
	TOTAL		119.5	96.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	397.3
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54323.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
15760.0	15440.0	-320.0	-161.3	8.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16813.5
Total Storage Loss	-22015.7
Total Storage Deliver	-14051.3
Total Evaporation	-2486.7
Accounting Balance	15439.8
Current Res Content	15440.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

15760.0 Reservoir Content Previous Day [ac-ft]
15440.0 Reservoir Content Current Day [ac-ft]
-320.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-190.4 Stored Flow Losses [ac-ft]
-12.0 2B to Leslie [cfs]
-76.9 Leslie to Moore [cfs]
-7.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-113.2 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
10.1 2B to Leslie [cfs]
46.4 Leslie to Moore [cfs]
0.3 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-16.5 Evaporation [ac-ft]

-320.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

210.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

210.0 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

119.5 Natural Flow Losses below Reservoir [cfs]
16.2 2B to Leslie [cfs]
90.8 Leslie to Moore [cfs]
12.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

90.3 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.7 Reservoir to 2B [cfs]
35.7 2B to Leslie [cfs]
50.5 Leslie to Moore [cfs]
0.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

209.8 Natural Flow Delivered & Lost [cfs]

0.2 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	10.6	530
Eastside Felton Wier +	13.1	655
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	75.8	3789
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	51.3	2565
Total Out	57.2	2859

Abbreviated Reach Delivery Factor	0.75

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 75.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 39.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 12.0 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 15.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 78.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 20.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 12.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 63.0%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 58.9%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.3	106.3
9	KENT	4.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.2	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.1	217.1
9	BITTON	4.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	3.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	3.5	437.2
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	6.5	1293.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	5.5	0.2	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	2.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	4.1	549.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	2.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	2.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	2.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	770.7	8	Stoecklein 1	3.0	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	73.0	38.0	5945.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.7	3.9	1396.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-0.1	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	0.4	3114.5
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	0.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1710.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2096.2
5	L SMITH EXCHANGE	4.0	682.7	2	ISOM 1 EXCHANGE	9.7	1144.1	2	SCHUREMAN EXCHAN	6.4	1964.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	946.1	2	RASMUSSEN EXCHAN	5.1	1522.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2080.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 17, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 17	127.0	3.0	0.0	130.0	0.00	130.0	3.0	0.0	0.0	127.0	0.0	0.0
9	Howell to Chilly		Aug 17	0.0	29.3	0.0	-97.7	1.00	32.3	29.3	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 17	199.0	18.6	0.0	217.6	0.00	249.9	14.6	4.0	0.0	203.0	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 17	348.0	0.0	0.0	199.0	0.00	199.0	0.0		0.0	199.0	149.0	0.0
6	Reservoir to 2B		Aug 17	344.0	4.0	0.0	0.0	0.00	199.0	3.7	0.3	0.0	195.3	148.7	0.0
5	2B to Leslie		Aug 17	272.0	40.8	0.0	-31.2	0.09	199.0	35.7	5.1	0.0	141.9	130.1	0.0
4	Leslie to Moore		Aug 17	0.0	87.3	0.0	-168.2	0.62	199.0	47.6	39.6	0.0	6.5	-6.5	0.0
2	Moore to blw Munsey		Aug 17	0.0	39.4	52.1	-15.1	0.92	199.0	0.5	0.8	38.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 17	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	134.5	49.8	38.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 17	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 17	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 17	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 17	0.0	0.0		18870601	3%
6	Reservoir to 2B	Aug 17	0.0	0.0		18870601	3%
5	2B to Leslie	Aug 17	17.7	13.5		18870601	3%
4	Leslie to Moore	Aug 17	87.7	80.5		18870601	3%
2	Moore to blw Munsey	Aug 17	6.0	9.2		18870601	3%
1	Blw Munsey to Arco	Aug 17	0.0	0.0		18870601	3%
	TOTAL		111.4	103.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	397.3
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54323.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
15440.0	15130.0	-310.0	-156.3	7.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16813.5
Total Storage Loss	-22220.4
Total Storage Deliver	-14142.2
Total Evaporation	-2501.1
Accounting Balance	15129.8
Current Res Content	15130.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

15440.0 Reservoir Content Previous Day [ac-ft]
15130.0 Reservoir Content Current Day [ac-ft]
-310.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-204.7 Stored Flow Losses [ac-ft]
-13.5 2B to Leslie [cfs]
-80.5 Leslie to Moore [cfs]
-9.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-90.9 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
5.1 2B to Leslie [cfs]
39.6 Leslie to Moore [cfs]
0.8 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-14.4 Evaporation [ac-ft]

-310.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

199.0 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

199.0 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

111.4 Natural Flow Losses below Reservoir [cfs]
17.7 2B to Leslie [cfs]
87.7 Leslie to Moore [cfs]
6.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

87.5 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.7 Reservoir to 2B [cfs]
35.7 2B to Leslie [cfs]
47.6 Leslie to Moore [cfs]
0.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

198.9 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	9.0	450
Eastside Felton Wier +	10.6	530
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	71.7	3584
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	46.5	2325
Total Out	52.4	2619

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.73

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 73.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 38.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 11.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 70.1%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 16.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 14.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 55.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 51.2%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.3	106.9
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.1	217.2
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	14.0	0.1	437.3
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	20.0	5.0	1302.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	4.1	557.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	774.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	63.4	32.4	6009.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	14.5	4.6	1405.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	-0.3	122.5
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	1.1	3116.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	4.0	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1745.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2124.0
5	L SMITH EXCHANGE	4.0	698.6	2	ISOM 1 EXCHANGE	9.7	1182.6	2	SCHUREMAN EXCHAN	6.4	1989.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	966.4	2	RASMUSSEN EXCHAN	5.1	1542.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2119.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 18, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 18	119.0	3.0	0.0	122.0	0.00	122.0	3.0	0.0	0.0	119.0	0.0	0.0
9	Howell to Chilly		Aug 18	0.0	29.3	0.0	-89.7	1.00	32.3	29.3	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 18	195.7	18.6	0.0	214.3	0.00	246.7	14.6	4.0	0.0	199.7	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 18	329.0	0.0	0.0	195.7	0.00	195.7	3.2		0.0	192.5	136.5	0.0
6	Reservoir to 2B		Aug 18	325.0	4.0	0.0	0.0	0.00	195.7	3.7	0.3	0.0	188.8	136.2	0.0
5	2B to Leslie		Aug 18	256.0	38.8	0.0	-30.2	0.09	195.7	33.8	5.0	0.0	137.5	118.5	0.0
4	Leslie to Moore		Aug 18	0.0	77.9	0.0	-167.3	0.65	195.7	47.6	30.2	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 18	0.0	37.4	52.1	-11.6	1.07	195.7	0.0	-0.7	38.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 18	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		135.3	38.8	38.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 18	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 18	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 18	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 18	0.0	0.0		18880630	95%
6	Reservoir to 2B	Aug 18	0.0	0.0		18880630	95%
5	2B to Leslie	Aug 18	17.5	12.7		18880630	95%
4	Leslie to Moore	Aug 18	89.8	77.5		18880630	95%
2	Moore to blw Munsey	Aug 18	0.0	11.6		18880630	95%
1	Blw Munsey to Arco	Aug 18	0.0	0.0		18880630	95%
	TOTAL		107.3	101.7	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	403.6
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54329.9

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
15130.0	14850.0	-280.0	-141.2	7.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16819.9
Total Storage Loss	-22422.3
Total Storage Deliver	-14211.2
Total Evaporation	-2516.8
Accounting Balance	14849.5
Current Res Content	14850.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

15130.0	Reservoir Content Previous Day [ac-ft]
14850.0	Reservoir Content Current Day [ac-ft]
-280.0	Physical Change in Storage [ac-ft]
6.3	Storage Allocated to Mackay Reservoir [ac-ft]
-201.9	Stored Flow Losses [ac-ft]
-12.7	2B to Leslie [cfs]
-77.5	Leslie to Moore [cfs]
-11.6	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-68.9	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.3	Reservoir to 2B [cfs]
5.0	2B to Leslie [cfs]
30.2	Leslie to Moore [cfs]
-0.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-15.7	Evaporation [ac-ft]
-280.2	Accounting Change in Storage [ac-ft]
-0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

195.7	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
195.7	Total Available Natural Flow [cfs]
3.2	Reservoir Rights Diverted [cfs]
107.3	Natural Flow Losses below Reservoir [cfs]
17.5	2B to Leslie [cfs]
89.8	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
85.1	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.7	Reservoir to 2B [cfs]
33.8	2B to Leslie [cfs]
47.6	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
195.6	Natural Flow Delivered & Lost [cfs]
0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.3	415
Eastside Felton Wier +	6.9	345
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	67.3	3364
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	3.4	170
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.7	35
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	43.4	2170
Total Out	49.3	2464

Abbreviated Reach Delivery Factor	0.73

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 73.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 38.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 5.3 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 7.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 66.1%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 10.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 15.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 52.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 48.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 18, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.3	107.4
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	6.8	0.0	217.2
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	14.0	0.0	437.3
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	18.0	5.0	1312.7
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	2.9	562.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	778.7	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	54.0	24.6	6058.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	15.4	4.9	1415.3
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	0.2	122.9
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	21.0	-1.0	3116.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	7.9	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1780.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2151.8
5	L SMITH EXCHANGE	4.0	714.5	2	ISOM 1 EXCHANGE	9.7	1221.1	2	SCHUREMAN EXCHAN	6.4	2014.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	986.6	2	RASMUSSEN EXCHAN	5.1	1562.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2159.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 19, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 19	114.0	3.0	0.0	117.0	0.00	117.0	3.0	0.0	0.0	114.0	0.0	0.0
9	Howell to Chilly		Aug 19	0.0	29.3	0.0	-84.7	1.00	32.3	29.3	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 19	181.6	18.6	0.0	200.1	0.00	232.5	14.6	4.0	0.0	185.6	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 19	330.0	0.0	0.0	181.6	0.00	181.6	3.2		0.0	178.4	151.6	0.0
6	Reservoir to 2B		Aug 19	326.0	4.0	0.0	0.0	0.00	181.6	3.7	0.3	0.0	174.6	151.4	0.0
5	2B to Leslie		Aug 19	250.0	40.8	0.0	-35.2	0.11	181.6	36.1	4.7	0.0	119.7	130.3	0.0
4	Leslie to Moore		Aug 19	0.0	72.0	0.0	-162.8	0.65	181.6	41.8	30.3	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 19	0.0	37.4	52.1	-15.3	1.01	181.6	0.0	-0.2	37.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 19	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		131.7	39.1	37.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 19	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 19	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 19	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 19	0.0	0.0		18890601	73%
6	Reservoir to 2B	Aug 19	0.0	0.0		18890601	73%
5	2B to Leslie	Aug 19	18.9	16.3		18890601	73%
4	Leslie to Moore	Aug 19	77.9	84.9		18890601	73%
2	Moore to blw Munsey	Aug 19	0.0	15.3		18890601	73%
1	Blw Munsey to Arco	Aug 19	0.0	0.0		18890601	73%
	TOTAL		96.8	116.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	410.0
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54336.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
14850.0	14540.0	-310.0	-156.3	7.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16826.2
Total Storage Loss	-22653.4
Total Storage Deliver	-14280.8
Total Evaporation	-2532.4
Accounting Balance	14539.6
Current Res Content	14540.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

14850.0 Reservoir Content Previous Day [ac-ft]
14540.0 Reservoir Content Current Day [ac-ft]
-310.0 Physical Change in Storage [ac-ft]

6.3 Storage Allocated to Mackay Reservoir [ac-ft]

-231.1 Stored Flow Losses [ac-ft]
-16.3 2B to Leslie [cfs]
-84.9 Leslie to Moore [cfs]
-15.3 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-69.7 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
4.7 2B to Leslie [cfs]
30.3 Leslie to Moore [cfs]
-0.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-15.6 Evaporation [ac-ft]

-310.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

181.6 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

181.6 Total Available Natural Flow [cfs]

3.2 Reservoir Rights Diverted [cfs]

96.8 Natural Flow Losses below Reservoir [cfs]
18.9 2B to Leslie [cfs]
77.9 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

81.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.7 Reservoir to 2B [cfs]
36.1 2B to Leslie [cfs]
41.8 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

181.6 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.3	415
Eastside Felton Wier +	5.6	280
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	66.0	3299
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	1.8	89
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.4	70
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.4	2220
Total Out	47.6	2379

Abbreviated Reach Delivery Factor	0.72

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 72.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 6.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 9.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 62.5%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 15.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 9.7 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 49.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 45.1%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.3	107.9
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.8	0.0	217.2
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	14.0	0.0	437.3
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	4.7	1322.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	2.9	568.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	782.6	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	54.0	25.3	6108.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	9.7	3.8	1422.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	0.5	123.9
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	21.0	-0.6	3116.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	11.9	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1815.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2179.5
5	L SMITH EXCHANGE	4.0	730.3	2	ISOM 1 EXCHANGE	9.7	1259.6	2	SCHUREMAN EXCHAN	6.4	2040.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1006.8	2	RASMUSSEN EXCHAN	5.1	1582.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2199.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 20, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 20	110.0	3.0	0.0	113.0	0.00	113.0	3.0	0.0	0.0	110.0	0.0	0.0
9	Howell to Chilly		Aug 20	0.0	29.3	0.0	-80.7	1.00	32.3	29.3	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 20	186.4	18.6	0.0	205.0	0.00	237.3	14.6	4.0	0.0	190.4	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 20	339.0	0.0	0.0	186.4	0.00	186.4	0.0		0.0	186.4	152.6	0.0
6	Reservoir to 2B		Aug 20	335.0	4.0	0.0	0.0	0.00	186.4	3.3	0.7	0.0	183.1	151.9	0.0
5	2B to Leslie		Aug 20	255.0	40.8	0.0	-39.2	0.12	186.4	29.0	11.8	0.0	132.7	122.3	0.0
4	Leslie to Moore		Aug 20	0.0	62.0	0.0	-174.8	0.69	186.4	29.6	32.3	0.0	12.1	-12.1	0.0
2	Moore to blw Munsey		Aug 20	0.0	37.4	52.1	-18.2	0.99	186.4	0.1	0.0	37.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 20	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	108.9	48.8	37.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 20	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 20	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 20	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 20	0.0	0.0		18850501	16%
6	Reservoir to 2B	Aug 20	0.0	0.0		18850501	16%
5	2B to Leslie	Aug 20	21.4	17.8		18850501	16%
4	Leslie to Moore	Aug 20	91.0	83.8		18850501	16%
2	Moore to blw Munsey	Aug 20	12.1	6.1		18850501	16%
1	Blw Munsey to Arco	Aug 20	0.0	0.0		18850501	16%
	TOTAL		124.5	107.7	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	410.0
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54336.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
14540.0	14220.0	-320.0	-161.3	8.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16826.2
Total Storage Loss	-22867.0
Total Storage Deliver	-14369.7
Total Evaporation	-2549.7
Accounting Balance	14219.9
Current Res Content	14220.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

14540.0 Reservoir Content Previous Day [ac-ft]
14220.0 Reservoir Content Current Day [ac-ft]
-320.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-213.6 Stored Flow Losses [ac-ft]
-17.8 2B to Leslie [cfs]
-83.8 Leslie to Moore [cfs]
-6.1 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-88.9 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.7 Reservoir to 2B [cfs]
11.8 2B to Leslie [cfs]
32.3 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-17.3 Evaporation [ac-ft]

-319.8 Accounting Change in Storage [ac-ft]

0.2 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

186.4 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

186.4 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

124.5 Natural Flow Losses below Reservoir [cfs]
21.4 2B to Leslie [cfs]
91.0 Leslie to Moore [cfs]
12.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

62.0 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.3 Reservoir to 2B [cfs]
29.0 2B to Leslie [cfs]
29.6 Leslie to Moore [cfs]
0.1 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

186.5 Natural Flow Delivered & Lost [cfs]

-0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.0	400
Eastside Felton Wier +	4.7	235
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	64.8	3239
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.4	70
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	45.0	2250
Total Out	46.4	2320

Abbreviated Reach Delivery Factor	0.72

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 71.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 7.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 10.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 58.9%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 18.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 6.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 49.8%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 42.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 20, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.7	109.4
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.8	0.3	217.9
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	14.0	3.9	445.1
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	7.5	1337.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	2.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.4	581.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	786.6	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	47.5	23.1	6154.6
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	6.1	4.5	1431.7
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	0.5	124.9
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	21.0	-0.5	3116.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	15.9	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1850.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2207.3
5	L SMITH EXCHANGE	4.0	746.2	2	ISOM 1 EXCHANGE	9.7	1298.1	2	SCHUREMAN EXCHAN	6.4	2065.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1027.1	2	RASMUSSEN EXCHAN	5.1	1603.1
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2238.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 21, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 21	107.0	3.0	0.0	110.0	0.00	110.0	3.0	0.0	0.0	107.0	0.0	0.0
9	Howell to Chilly		Aug 21	0.0	29.8	0.0	-77.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 21	170.3	16.6	0.0	186.9	0.00	219.7	12.6	4.0	0.0	174.3	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 21	340.0	0.0	0.0	170.3	0.00	170.3	0.0		0.0	170.3	169.7	0.0
6	Reservoir to 2B		Aug 21	336.0	4.0	0.0	0.0	0.00	170.3	3.3	0.7	0.0	167.0	169.0	0.0
5	2B to Leslie		Aug 21	261.0	43.8	0.0	-31.2	0.09	170.3	29.7	14.1	0.0	121.8	139.2	0.0
4	Leslie to Moore		Aug 21	0.0	62.0	0.0	-179.2	0.69	170.3	29.6	32.4	0.0	8.6	-8.6	0.0
2	Moore to blw Munsey		Aug 21	0.0	37.4	52.1	-19.8	1.00	170.3	0.0	0.0	37.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 21	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		108.0	51.2	37.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 21	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 21	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 21	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 21	0.0	0.0		18850501	9%
6	Reservoir to 2B	Aug 21	0.0	0.0		18850501	9%
5	2B to Leslie	Aug 21	15.5	15.7		18850501	9%
4	Leslie to Moore	Aug 21	83.6	95.6		18850501	9%
2	Moore to blw Munsey	Aug 21	8.5	11.2		18850501	9%
1	Blw Munsey to Arco	Aug 21	0.0	0.0		18850501	9%
	TOTAL		107.6	122.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	410.0
4	18960601	6.4	1113.0	752.3
5	19020301	0.8	140.0	92.0
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54336.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
14220.0	13870.0	-350.0	-176.5	6.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16826.2
Total Storage Loss	-23110.0
Total Storage Deliver	-14463.3
Total Evaporation	-2563.1
Accounting Balance	13869.8
Current Res Content	13870.0
Storage Balance Error	-0.2

DAILY STORAGE BALANCE

14220.0 Reservoir Content Previous Day [ac-ft]
13870.0 Reservoir Content Current Day [ac-ft]
-350.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-243.0 Stored Flow Losses [ac-ft]
-15.7 2B to Leslie [cfs]
-95.6 Leslie to Moore [cfs]
-11.2 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-93.7 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.7 Reservoir to 2B [cfs]
14.1 2B to Leslie [cfs]
32.4 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-13.4 Evaporation [ac-ft]

-350.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

170.3 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

170.3 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

107.6 Natural Flow Losses below Reservoir [cfs]
15.5 2B to Leslie [cfs]
83.6 Leslie to Moore [cfs]
8.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

62.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.3 Reservoir to 2B [cfs]
29.7 2B to Leslie [cfs]
29.6 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

170.2 Natural Flow Delivered & Lost [cfs]

0.1 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.4	420
Eastside Felton Wier +	5.4	270
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	65.9	3294
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.4	70
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	45.8	2290
Total Out	47.2	2360

Abbreviated Reach Delivery Factor	0.72
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 71.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 11.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 59.7%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 19.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 6.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 50.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 42.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 21, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.7	110.9
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.8	0.3	218.6
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.0	6.7	458.3
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	7.1	1351.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.5	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.4	593.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	790.6	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	47.5	23.1	6200.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	6.1	4.4	1440.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	0.5	126.0
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	21.0	-0.5	3116.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	19.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1885.1
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2235.1
5	L SMITH EXCHANGE	4.0	762.1	2	ISOM 1 EXCHANGE	9.7	1336.5	2	SCHUREMAN EXCHAN	6.4	2090.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1047.3	2	RASMUSSEN EXCHAN	5.1	1623.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2278.2	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 22, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 22	106.0	3.0	0.0	109.0	0.00	109.0	3.0	0.0	0.0	106.0	0.0	0.0
9	Howell to Chilly		Aug 22	0.0	29.8	0.0	-76.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 22	212.8	16.6	0.0	229.4	0.00	262.2	12.6	4.0	0.0	216.8	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 22	331.0	0.0	0.0	212.8	0.00	212.8	10.4		0.0	202.4	128.6	0.0
6	Reservoir to 2B		Aug 22	327.0	4.0	0.0	0.0	0.00	212.8	3.9	0.1	0.0	198.5	128.5	0.0
5	2B to Leslie		Aug 22	251.0	43.8	0.0	-32.2	0.10	212.8	43.1	0.7	0.0	135.9	115.1	0.0
4	Leslie to Moore		Aug 22	0.0	61.8	0.0	-172.5	0.69	212.8	42.5	19.3	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 22	0.0	37.4	52.1	-17.2	1.03	212.8	0.0	-0.4	37.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 22	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		145.3	23.7	37.8			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 22	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 22	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 22	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 22	0.0	0.0		19020501	41%
6	Reservoir to 2B	Aug 22	0.0	0.0		19020501	41%
5	2B to Leslie	Aug 22	19.5	12.7		19020501	41%
4	Leslie to Moore	Aug 22	93.4	79.1		19020501	41%
2	Moore to blw Munsey	Aug 22	0.0	17.2		19020501	41%
1	Blw Munsey to Arco	Aug 22	0.0	0.0		19020501	41%
	TOTAL		112.9	109.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	416.3
4	18960601	6.4	1113.0	765.0
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54356.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
13870.0	13620.0	-250.0	-126.0	7.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16846.8
Total Storage Loss	-23326.2
Total Storage Deliver	-14502.4
Total Evaporation	-2578.6
Accounting Balance	13619.6
Current Res Content	13620.0
Storage Balance Error	-0.4

DAILY STORAGE BALANCE

13870.0	Reservoir Content Previous Day [ac-ft]
13620.0	Reservoir Content Current Day [ac-ft]
-250.0	Physical Change in Storage [ac-ft]
20.6	Storage Allocated to Mackay Reservoir [ac-ft]
-216.2	Stored Flow Losses [ac-ft]
-12.7	2B to Leslie [cfs]
-79.1	Leslie to Moore [cfs]
-17.2	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-39.0	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
0.7	2B to Leslie [cfs]
19.3	Leslie to Moore [cfs]
-0.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-15.5	Evaporation [ac-ft]
-250.1	Accounting Change in Storage [ac-ft]
-0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

212.8	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
212.8	Total Available Natural Flow [cfs]
10.4	Reservoir Rights Diverted [cfs]
112.9	Natural Flow Losses below Reservoir [cfs]
19.5	2B to Leslie [cfs]
93.4	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
89.5	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.9	Reservoir to 2B [cfs]
43.1	2B to Leslie [cfs]
42.5	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
212.8	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.6	380
Eastside Felton Wier +	3.5	175
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	63.2	3159
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.4	70
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.5	2225
Total Out	45.9	2295

Abbreviated Reach Delivery Factor	0.73
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 72.6%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 6.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 9.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 54.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 16.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 6.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 46.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 39.8%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 22, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.1	111.1
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.8	0.0	218.6
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.0	0.0	458.3
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	0.7	1352.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.5	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	1.7	597.2
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	108.7
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	794.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	47.3	18.6	6237.4
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	6.6	1.1	1442.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	0.4	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	21.0	-0.8	3116.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	23.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1920.0
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2262.9
5	L SMITH EXCHANGE	4.0	777.9	2	ISOM 1 EXCHANGE	9.7	1375.0	2	SCHUREMAN EXCHAN	6.4	2116.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1067.5	2	RASMUSSEN EXCHAN	5.1	1643.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2317.8	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 23, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 23	115.0	3.0	0.0	118.0	0.00	118.0	3.0	0.0	0.0	115.0	0.0	0.0
9	Howell to Chilly		Aug 23	0.0	29.8	0.0	-85.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 23	183.3	16.6	0.0	199.9	0.00	232.7	12.6	4.0	0.0	187.3	-4.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 23	327.0	0.0	0.0	183.3	0.00	183.3	0.0		0.0	183.3	143.7	0.0
6	Reservoir to 2B		Aug 23	323.0	4.0	0.0	0.0	0.00	183.3	3.4	0.6	0.0	179.9	143.1	0.0
5	2B to Leslie		Aug 23	243.0	43.8	0.0	-36.2	0.11	183.3	36.7	7.1	0.0	123.0	120.0	0.0
4	Leslie to Moore		Aug 23	0.0	62.9	0.0	-163.5	0.67	183.3	33.8	29.1	0.0	6.5	-6.5	0.0
2	Moore to blw Munsey		Aug 23	0.0	39.4	52.1	-14.8	0.89	183.3	0.7	1.1	37.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 23	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	120.0	41.9	37.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 23	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 23	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 23	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 23	0.0	0.0		18860601	17%
6	Reservoir to 2B	Aug 23	0.0	0.0		18860601	17%
5	2B to Leslie	Aug 23	20.2	16.0		18860601	17%
4	Leslie to Moore	Aug 23	82.8	80.7		18860601	17%
2	Moore to blw Munsey	Aug 23	5.8	9.0		18860601	17%
1	Blw Munsey to Arco	Aug 23	0.0	0.0		18860601	17%
	TOTAL		108.8	105.8	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	416.3
4	18960601	6.4	1113.0	765.0
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54356.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
13620.0	13320.0	-300.0	-151.2	7.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16846.8
Total Storage Loss	-23535.9
Total Storage Deliver	-14577.5
Total Evaporation	-2593.6
Accounting Balance	13319.9
Current Res Content	13320.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

13620.0	Reservoir Content Previous Day [ac-ft]
13320.0	Reservoir Content Current Day [ac-ft]
-300.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-209.7	Stored Flow Losses [ac-ft]
-16.0	2B to Leslie [cfs]
-80.7	Leslie to Moore [cfs]
-9.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-75.2	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.6	Reservoir to 2B [cfs]
7.1	2B to Leslie [cfs]
29.1	Leslie to Moore [cfs]
1.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-15.0	Evaporation [ac-ft]
-299.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

183.3	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
183.3	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
108.8	Natural Flow Losses below Reservoir [cfs]
20.2	2B to Leslie [cfs]
82.8	Leslie to Moore [cfs]
5.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
74.6	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.4	Reservoir to 2B [cfs]
36.7	2B to Leslie [cfs]
33.8	Leslie to Moore [cfs]
0.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
183.4	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.9	395
Eastside Felton Wier +	2.8	140
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	62.8	3139
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.1	2205
Total Out	45.3	2265

Abbreviated Reach Delivery Factor	0.72

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 72.2%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 6.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 9.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 54.4%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 16.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 6.1 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 46.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 39.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 23, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.6	112.3
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.0	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.8	0.3	219.2
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.0	0.0	458.3
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	6.7	1365.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.3	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	17.5	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	10.0	6.4	609.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	110.3
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	4.0	2.0	798.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	48.0	22.9	6282.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	6.1	1.1	1444.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	-0.2	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.0	1.4	3119.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	2.0	2.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1954.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2290.6
5	L SMITH EXCHANGE	4.0	793.8	2	ISOM 1 EXCHANGE	9.7	1413.5	2	SCHUREMAN EXCHAN	6.4	2141.7
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1087.8	2	RASMUSSEN EXCHAN	5.1	1663.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2357.4	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 24, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 24	108.0	3.0	0.0	111.0	0.00	111.0	3.0	0.0	0.0	108.0	0.0	0.0
9	Howell to Chilly		Aug 24	0.0	29.8	0.0	-78.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 24	166.4	16.1	0.0	182.5	0.00	215.3	14.6	1.5	0.0	167.9	-1.5	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 24	339.0	0.0	0.0	166.4	0.00	166.4	0.0		0.0	166.4	172.6	0.0
6	Reservoir to 2B		Aug 24	335.0	4.0	0.0	0.0	0.00	166.4	3.4	0.6	0.0	162.9	172.1	0.0
5	2B to Leslie		Aug 24	245.0	47.0	0.0	-43.0	0.13	166.4	30.6	16.4	0.0	111.5	133.5	0.0
4	Leslie to Moore		Aug 24	0.0	62.5	0.0	-170.8	0.70	166.4	28.2	34.3	0.0	5.6	-5.6	0.0
2	Moore to blw Munsey		Aug 24	0.0	41.4	52.1	-11.7	1.00	166.4	0.0	0.0	41.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 24	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	109.6	52.8	41.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 24	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 24	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 24	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 24	0.0	0.0		18850501	0%
6	Reservoir to 2B	Aug 24	0.0	0.0		18850501	0%
5	2B to Leslie	Aug 24	20.9	22.1		18850501	0%
4	Leslie to Moore	Aug 24	77.7	93.1		18850501	0%
2	Moore to blw Munsey	Aug 24	5.5	6.1		18850501	0%
1	Blw Munsey to Arco	Aug 24	0.0	0.0		18850501	0%
	TOTAL		104.1	121.3	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	416.3
4	18960601	6.4	1113.0	765.0
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54356.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
13320.0	12965.0	-355.0	-179.0	6.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16846.8
Total Storage Loss	-23776.5
Total Storage Deliver	-14679.3
Total Evaporation	-2606.2
Accounting Balance	12964.9
Current Res Content	12965.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

13320.0	Reservoir Content Previous Day [ac-ft]
12965.0	Reservoir Content Current Day [ac-ft]
-355.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-240.6	Stored Flow Losses [ac-ft]
-22.1	2B to Leslie [cfs]
-93.1	Leslie to Moore [cfs]
-6.1	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-101.8	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.6	Reservoir to 2B [cfs]
16.4	2B to Leslie [cfs]
34.3	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-12.6	Evaporation [ac-ft]
-355.0	Accounting Change in Storage [ac-ft]
0.0	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

166.4	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
166.4	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
104.1	Natural Flow Losses below Reservoir [cfs]
20.9	2B to Leslie [cfs]
77.7	Leslie to Moore [cfs]
5.5	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
62.2	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.4	Reservoir to 2B [cfs]
30.6	2B to Leslie [cfs]
28.2	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
166.3	Natural Flow Delivered & Lost [cfs]
0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.8	390
Eastside Felton Wier +	2.7	135
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	62.6	3129
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	46.3	2315
Total Out	47.5	2375

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.76

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 79.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 41.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 4.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 6.2 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 53.1%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 11.7 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 45.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 42.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 24, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.6	113.4
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	219.5
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.0	6.7	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	25.0	9.6	1385.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	6.5	622.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	111.9
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.5	1.5	801.5	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	46.4	22.3	6327.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.2	9.6	1463.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	-1.2	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	1.2	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	1989.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2318.4
5	L SMITH EXCHANGE	4.0	809.7	2	ISOM 1 EXCHANGE	9.7	1452.0	2	SCHUREMAN EXCHAN	6.4	2167.1
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1108.0	2	RASMUSSEN EXCHAN	5.1	1684.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2396.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 25, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 25	108.0	3.0	0.0	111.0	0.00	111.0	3.0	0.0	0.0	108.0	0.0	0.0
9	Howell to Chilly		Aug 25	0.0	29.8	0.0	-78.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 25	172.9	16.1	0.0	189.0	0.00	221.8	14.6	1.5	0.0	174.4	-1.5	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 25	344.0	0.0	0.0	172.9	0.00	172.9	0.0		0.0	172.9	171.1	0.0
6	Reservoir to 2B		Aug 25	340.0	4.0	0.0	0.0	0.00	172.9	3.6	0.4	0.0	169.3	170.7	0.0
5	2B to Leslie		Aug 25	248.0	47.0	0.0	-45.0	0.13	172.9	37.4	9.6	0.0	109.4	138.6	0.0
4	Leslie to Moore		Aug 25	0.0	60.7	0.0	-171.8	0.69	172.9	33.6	27.0	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 25	0.0	41.4	52.1	-24.9	1.60	172.9	0.0	-9.4	50.8	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 25	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0

* - Indicates flow estimated, not measured TOTAL 122.0 29.1 50.8

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 25	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 25	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 25	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 25	0.0	0.0		18860914	92%
6	Reservoir to 2B	Aug 25	0.0	0.0		18860914	92%
5	2B to Leslie	Aug 25	22.4	22.6		18860914	92%
4	Leslie to Moore	Aug 25	75.8	96.0		18860914	92%
2	Moore to blw Munsey	Aug 25	0.0	24.9		18860914	92%
1	Blw Munsey to Arco	Aug 25	0.0	0.0		18860914	92%
	TOTAL		98.2	143.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	416.3
4	18960601	6.4	1113.0	765.0
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54356.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
12965.0	12610.0	-355.0	-179.0	7.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16846.8
Total Storage Loss	-24061.1
Total Storage Deliver	-14734.0
Total Evaporation	-2621.7
Accounting Balance	12610.0
Current Res Content	12610.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

12965.0	Reservoir Content Previous Day [ac-ft]
12610.0	Reservoir Content Current Day [ac-ft]
-355.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-284.6	Stored Flow Losses [ac-ft]
-22.6	2B to Leslie [cfs]
-96.0	Leslie to Moore [cfs]
-24.9	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-54.8	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.4	Reservoir to 2B [cfs]
9.6	2B to Leslie [cfs]
27.0	Leslie to Moore [cfs]
-9.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-15.5	Evaporation [ac-ft]
-354.9	Accounting Change in Storage [ac-ft]
0.1	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

172.9	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
172.9	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
98.2	Natural Flow Losses below Reservoir [cfs]
22.4	2B to Leslie [cfs]
75.8	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
74.6	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.6	Reservoir to 2B [cfs]
37.4	2B to Leslie [cfs]
33.6	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
172.8	Natural Flow Delivered & Lost [cfs]
0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.4	370
Eastside Felton Wier +	3.0	150
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	62.5	3124
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	58.7	2935
Total Out	58.7	2935

Abbreviated Reach Delivery Factor Total Out Divided By Total In	0.94

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 97.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 50.8 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 7.9 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 8.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 52.4%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 15.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 7.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 51.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 51.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 25, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.4	114.2
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	219.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.0	0.0	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	25.0	9.4	1403.7
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.4	631.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	113.5
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.5	1.5	804.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	47.0	20.2	6367.1
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	7.5	5.2	1474.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	-5.1	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	-4.2	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2024.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2346.2
5	L SMITH EXCHANGE	4.0	825.5	2	ISOM 1 EXCHANGE	9.7	1490.5	2	SCHUREMAN EXCHAN	6.4	2192.5
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1128.2	2	RASMUSSEN EXCHAN	5.1	1704.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2436.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 26, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 26	107.0	3.0	0.0	110.0	0.00	110.0	3.0	0.0	0.0	107.0	0.0	0.0
9	Howell to Chilly		Aug 26	0.0	29.8	0.0	-77.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 26	185.8	16.1	0.0	201.8	0.00	234.6	14.6	1.5	0.0	187.3	-1.5	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 26	340.0	0.0	0.0	185.8	0.00	185.8	3.2		0.0	182.6	157.4	0.0
6	Reservoir to 2B		Aug 26	336.0	4.0	0.0	0.0	0.00	185.8	3.7	0.3	0.0	178.8	157.2	0.0
5	2B to Leslie		Aug 26	248.0	46.0	0.0	-42.0	0.12	185.8	43.8	2.2	0.0	112.7	135.3	0.0
4	Leslie to Moore		Aug 26	0.0	62.1	0.0	-168.6	0.68	185.8	36.1	26.0	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 26	0.0	41.4	52.1	-44.0	2.53	185.8	0.0	-26.6	68.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 26	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	134.2	3.4	68.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 26	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 26	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 26	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 26	0.0	0.0		18940310	56%
6	Reservoir to 2B	Aug 26	0.0	0.0		18940310	56%
5	2B to Leslie	Aug 26	22.4	19.6		18940310	56%
4	Leslie to Moore	Aug 26	76.6	92.0		18940310	56%
2	Moore to blw Munsey	Aug 26	0.0	44.0		18940310	56%
1	Blw Munsey to Arco	Aug 26	0.0	0.0		18940310	56%
	TOTAL		99.0	155.7	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	422.7
4	18960601	6.4	1113.0	765.0
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54363.2

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
12610.0	12290.0	-320.0	-161.3	7.1

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16853.2
Total Storage Loss	-24369.7
Total Storage Deliver	-14737.8
Total Evaporation	-2635.8
Accounting Balance	12289.9
Current Res Content	12290.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

12610.0 Reservoir Content Previous Day [ac-ft]
12290.0 Reservoir Content Current Day [ac-ft]
-320.0 Physical Change in Storage [ac-ft]

6.3 Storage Allocated to Mackay Reservoir [ac-ft]

-308.6 Stored Flow Losses [ac-ft]
-19.6 2B to Leslie [cfs]
-92.0 Leslie to Moore [cfs]
-44.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-3.7 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.3 Reservoir to 2B [cfs]
2.2 2B to Leslie [cfs]
26.0 Leslie to Moore [cfs]
-26.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-14.1 Evaporation [ac-ft]

-320.1 Accounting Change in Storage [ac-ft]

-0.1 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

185.8 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

185.8 Total Available Natural Flow [cfs]

3.2 Reservoir Rights Diverted [cfs]

99.0 Natural Flow Losses below Reservoir [cfs]
22.4 2B to Leslie [cfs]
76.6 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

83.6 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.7 Reservoir to 2B [cfs]
43.8 2B to Leslie [cfs]
36.1 Leslie to Moore [cfs]
0.0 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

185.8 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.6	380
Eastside Felton Wier +	3.0	150
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	62.7	3134
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	79.7	3985
Total Out	79.7	3985

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.27

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 130.7%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 68.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 11.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 8.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 51.3%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 17.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 6.5 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 59.2%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 67.0%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.3	114.7
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.0	219.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	17.0	0.0	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	2.2	1408.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	3.0	637.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	115.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.5	1.5	807.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	48.4	20.3	6407.3
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	6.5	4.6	1483.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	-12.5	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	-14.2	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2059.7
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2373.9
5	L SMITH EXCHANGE	4.0	841.4	2	ISOM 1 EXCHANGE	9.7	1528.9	2	SCHUREMAN EXCHAN	6.4	2217.9
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1148.4	2	RASMUSSEN EXCHAN	5.1	1724.5
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2476.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 27, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 27	107.0	3.0	0.0	110.0	0.00	110.0	3.0	0.0	0.0	107.0	0.0	0.0
9	Howell to Chilly		Aug 27	0.0	29.8	0.0	-77.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 27	173.3	16.1	0.0	189.4	0.00	222.2	14.6	1.5	0.0	174.8	-1.5	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 27	327.0	0.0	0.0	173.3	0.00	173.3	3.2		0.0	170.1	156.9	0.0
6	Reservoir to 2B		Aug 27	323.0	4.0	0.0	0.0	0.00	173.3	3.7	0.3	0.0	166.4	156.6	0.0
5	2B to Leslie		Aug 27	244.0	45.0	0.0	-34.0	0.11	173.3	38.2	6.8	0.0	110.6	133.4	0.0
4	Leslie to Moore		Aug 27	0.0	60.9	0.0	-167.6	0.69	173.3	34.7	26.2	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 27	0.0	41.4	52.1	-33.3	2.14	173.3	0.0	-17.7	59.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 27	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	127.2	17.1	59.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 27	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 27	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 27	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 27	0.0	0.0		18880630	58%
6	Reservoir to 2B	Aug 27	0.0	0.0		18880630	58%
5	2B to Leslie	Aug 27	17.5	16.5		18880630	58%
4	Leslie to Moore	Aug 27	76.0	91.6		18880630	58%
2	Moore to blw Munsey	Aug 27	0.0	33.3		18880630	58%
1	Blw Munsey to Arco	Aug 27	0.0	0.0		18880630	58%
	TOTAL		93.5	141.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	429.0
4	18960601	6.4	1113.0	765.0
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54369.5

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
12290.0	11970.0	-320.0	-161.3	7.7

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16859.5
Total Storage Loss	-24650.2
Total Storage Deliver	-14768.7
Total Evaporation	-2651.0
Accounting Balance	11969.7
Current Res Content	11970.0
Storage Balance Error	-0.3

DAILY STORAGE BALANCE

```
 12290.0 Reservoir Content Previous Day [ac-ft]
 11970.0 Reservoir Content Current Day [ac-ft]
  -320.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
             6.3 Storage Allocated to Mackay Reservoir [ac-ft]

          -280.5 Stored Flow Losses [ac-ft]
               -16.5 2B to Leslie [cfs]
               -91.6 Leslie to Moore [cfs]
               -33.3 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

           -30.9 Storage Delivered [ac-ft]
                 --- Above Reservoir [cfs]
                 0.3 Reservoir to 2B [cfs]
                 6.8 2B to Leslie [cfs]
                26.2 Leslie to Moore [cfs]
               -17.7 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -15.2 Evaporation [ac-ft]

  -320.3 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.3 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   173.3 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   173.3 Total Available Natural Flow [cfs]
-------------------------------------------------------------
             3.2 Reservoir Rights Diverted [cfs]

            93.5 Natural Flow Losses below Reservoir [cfs]
                17.5 2B to Leslie [cfs]
                76.0 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

            76.6 Natural Flow Delivered [cfs]
                 --- Above Reservoir Storage Use [cfs]
                 3.7 Reservoir to 2B [cfs]
                38.2 2B to Leslie [cfs]
                34.7 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   173.3 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.1	355
Eastside Felton Wier +	2.4	120
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	61.6	3079
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	0.0	0
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	67.7	3385
Total Out	67.7	3385

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.10

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 113.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 59.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 8.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 7.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 48.5%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 15.6 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 7.4 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 52.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 55.1%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 27, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.3	115.2
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.0	219.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	16.0	0.0	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	24.0	6.8	1421.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	3.5	644.4
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	116.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.5	1.5	810.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	47.2	20.3	6447.5
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	7.4	5.2	1493.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	16.4	-8.7	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	-9.1	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2094.6
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2401.7
5	L SMITH EXCHANGE	4.0	857.3	2	ISOM 1 EXCHANGE	9.7	1567.4	2	SCHUREMAN EXCHAN	6.4	2243.3
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1168.7	2	RASMUSSEN EXCHAN	5.1	1744.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2515.7	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 28, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 28	106.0	3.0	0.0	109.0	0.00	109.0	3.0	0.0	0.0	106.0	0.0	0.0
9	Howell to Chilly		Aug 28	0.0	29.8	0.0	-76.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 28	199.4	15.6	0.0	215.0	0.00	247.8	14.6	1.0	0.0	200.4	-1.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 28	322.0	0.0	0.0	199.4	0.00	199.4	9.6		0.0	189.8	132.2	0.0
6	Reservoir to 2B		Aug 28	318.0	4.0	0.0	0.0	0.00	199.4	3.9	0.1	0.0	185.9	132.1	0.0
5	2B to Leslie		Aug 28	240.0	41.0	0.0	-37.0	0.12	199.4	41.0	0.0	0.0	123.3	116.7	0.0
4	Leslie to Moore		Aug 28	0.0	63.7	0.0	-164.9	0.69	199.4	38.6	25.1	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 28	0.0	42.0	52.1	-33.5	2.93	199.4	0.0	-22.1	64.1	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 28	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		140.5	4.1	64.1			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 28	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 28	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 28	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 28	0.0	0.0		18960630	71%
6	Reservoir to 2B	Aug 28	0.0	0.0		18960630	71%
5	2B to Leslie	Aug 28	21.6	15.4		18960630	71%
4	Leslie to Moore	Aug 28	84.7	80.2		18960630	71%
2	Moore to blw Munsey	Aug 28	0.0	33.5		18960630	71%
1	Blw Munsey to Arco	Aug 28	0.0	0.0		18960630	71%
	TOTAL		106.3	129.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	435.4
4	18960601	6.4	1113.0	777.7
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54388.6

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
11970.0	11720.0	-250.0	-126.0	3.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16878.6
Total Storage Loss	-24906.3
Total Storage Deliver	-14774.9
Total Evaporation	-2657.8
Accounting Balance	11719.5
Current Res Content	11720.0
Storage Balance Error	-0.5

DAILY STORAGE BALANCE

```
 11970.0 Reservoir Content Previous Day [ac-ft]
 11720.0 Reservoir Content Current Day [ac-ft]
  -250.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
           19.0 Storage Allocated to Mackay Reservoir [ac-ft]

          -256.1 Stored Flow Losses [ac-ft]
              -15.4 2B to Leslie [cfs]
              -80.2 Leslie to Moore [cfs]
              -33.5 Moore blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]
                0.0 Past Arco Gage [cfs]

            -6.2 Storage Delivered [ac-ft]
                 --- Above Reservoir [cfs]
                0.1 Reservoir to 2B [cfs]
                0.0 2B to Leslie [cfs]
               25.1 Leslie to Moore [cfs]
              -22.1 Moore to blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]

            -6.9 Evaporation [ac-ft]

  -250.2 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.2 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   199.4 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   199.4 Total Available Natural Flow [cfs]
-------------------------------------------------------------
             9.6 Reservoir Rights Diverted [cfs]

           106.3 Natural Flow Losses below Reservoir [cfs]
                21.6 2B to Leslie [cfs]
                84.7 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

            83.5 Natural Flow Delivered [cfs]
                 --- Above Reservoir Storage Use [cfs]
                 3.9 Reservoir to 2B [cfs]
                41.0 2B to Leslie [cfs]
                38.6 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   199.4 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	6.9	345
Eastside Felton Wier +	2.0	100
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	61.0	3049
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	70.8	3540
Total Out	72.8	3640

Abbreviated Reach Delivery Factor	1.19

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 123.0%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 64.1 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 6.7 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 5.5 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 48.0%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 11.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 10.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 55.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 59.0%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 28, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.1	115.4
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.0	219.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	0.0	1421.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	2.2	648.7
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	118.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.0	1.0	812.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	46.0	18.8	6484.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	10.6	7.8	1508.9
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-10.2	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	-11.9	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2129.5
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2429.5
5	L SMITH EXCHANGE	4.0	873.1	2	ISOM 1 EXCHANGE	9.7	1605.9	2	SCHUREMAN EXCHAN	6.4	2268.6
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1188.9	2	RASMUSSEN EXCHAN	5.1	1765.0
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2555.3	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 29, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 29	112.0	3.0	0.0	115.0	0.00	115.0	3.0	0.0	0.0	112.0	0.0	0.0
9	Howell to Chilly		Aug 29	0.0	29.8	0.0	-82.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 29	184.4	15.6	0.0	200.0	0.00	232.8	14.6	1.0	0.0	185.4	-1.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 29	320.0	0.0	0.0	184.4	0.00	184.4	6.7		0.0	177.8	142.2	0.0
6	Reservoir to 2B		Aug 29	316.0	4.0	0.0	0.0	0.00	184.4	3.9	0.1	0.0	173.9	142.1	0.0
5	2B to Leslie		Aug 29	240.0	41.0	0.0	-35.0	0.11	184.4	41.0	0.0	0.0	113.6	126.4	0.0
4	Leslie to Moore		Aug 29	0.0	60.9	0.0	-161.7	0.67	184.4	37.1	23.8	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 29	0.0	42.0	52.1	-43.1	2.47	184.4	0.0	-25.7	67.7	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 29	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	136.0	-0.8	67.7			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 29	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 29	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 29	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 29	0.0	0.0		18960601	54%
6	Reservoir to 2B	Aug 29	0.0	0.0		18960601	54%
5	2B to Leslie	Aug 29	19.3	15.7		18960601	54%
4	Leslie to Moore	Aug 29	76.5	85.1		18960601	54%
2	Moore to blw Munsey	Aug 29	0.0	43.1		18960601	54%
1	Blw Munsey to Arco	Aug 29	0.0	0.0		18960601	54%
	TOTAL		95.8	144.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	441.7
4	18960601	6.4	1113.0	784.6
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54401.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
11720.0	11440.0	-280.0	-141.2	5.6

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16891.8
Total Storage Loss	-25191.7
Total Storage Deliver	-14771.3
Total Evaporation	-2668.9
Accounting Balance	11439.9
Current Res Content	11440.0
Storage Balance Error	-0.1

DAILY STORAGE BALANCE

11720.0	Reservoir Content Previous Day [ac-ft]
11440.0	Reservoir Content Current Day [ac-ft]
-280.0	Physical Change in Storage [ac-ft]
13.2	Storage Allocated to Mackay Reservoir [ac-ft]
-285.4	Stored Flow Losses [ac-ft]
-15.7	2B to Leslie [cfs]
-85.1	Leslie to Moore [cfs]
-43.1	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
3.5	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
0.0	2B to Leslie [cfs]
23.8	Leslie to Moore [cfs]
-25.7	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-11.1	Evaporation [ac-ft]
-279.8	Accounting Change in Storage [ac-ft]
0.2	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

184.4	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
184.4	Total Available Natural Flow [cfs]
6.7	Reservoir Rights Diverted [cfs]
95.8	Natural Flow Losses below Reservoir [cfs]
19.3	2B to Leslie [cfs]
76.5	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
82.0	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.9	Reservoir to 2B [cfs]
41.0	2B to Leslie [cfs]
37.1	Leslie to Moore [cfs]
0.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
184.5	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	7.6	380
Eastside Felton Wier +	3.5	175
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	63.2	3159
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	80.1	4005
Total Out	82.1	4105

Abbreviated Reach Delivery Factor Total Out Divided By Total In	1.30

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs Weirs + Groundwater Injection	= 129.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 67.7 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 12.4 cfs
Step 4 - River at Weirs		
	River at Eastside Out Abbreviated Reach Delivery Factor	= 9.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs Eastside In	= 54.8%
Step 6 - River at Eastside In		
	River at Weirs Upper Reach Delivery Factor	= 17.5 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 5.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs Canal at Eastside	= 62.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out River at Eastside In	= 71.2%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.1	115.6
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.0	219.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	0.0	1421.5
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	3.0	654.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	119.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.0	1.0	814.4	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	45.4	17.7	6519.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	5.8	4.0	1516.8
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-11.7	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	-14.0	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2164.4
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2457.2
5	L SMITH EXCHANGE	4.0	889.0	2	ISOM 1 EXCHANGE	9.7	1644.4	2	SCHUREMAN EXCHAN	6.4	2294.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1209.1	2	RASMUSSEN EXCHAN	5.1	1785.2
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2594.9	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 30, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 30	108.0	3.0	0.0	111.0	0.00	111.0	3.0	0.0	0.0	108.0	0.0	0.0
9	Howell to Chilly		Aug 30	0.0	29.8	0.0	-78.2	1.00	32.8	29.8	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 30	182.1	15.6	0.0	197.7	0.00	230.5	14.6	1.0	0.0	183.1	-1.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 30	320.0	0.0	0.0	182.1	0.00	182.1	3.2		0.0	178.9	141.1	0.0
6	Reservoir to 2B		Aug 30	316.0	4.0	0.0	0.0	0.00	182.1	3.8	0.2	0.0	175.1	140.9	0.0
5	2B to Leslie		Aug 30	237.0	41.0	0.0	-38.0	0.12	182.1	40.3	0.7	0.0	113.8	123.2	0.0
4	Leslie to Moore		Aug 30	0.0	60.1	0.0	-161.8	0.68	182.1	36.1	23.9	0.0	0.0	0.0	0.0
2	Moore to blw Munsey		Aug 30	0.0	42.0	52.1	-30.2	1.99	182.1	0.0	-15.0	57.0	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 30	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	130.8	10.8	57.0			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 30	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 30	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 30	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 30	0.0	0.0		18940601	55%
6	Reservoir to 2B	Aug 30	0.0	0.0		18940601	55%
5	2B to Leslie	Aug 30	21.1	16.9		18940601	55%
4	Leslie to Moore	Aug 30	77.6	84.1		18940601	55%
2	Moore to blw Munsey	Aug 30	0.0	30.2		18940601	55%
1	Blw Munsey to Arco	Aug 30	0.0	0.0		18940601	55%
	TOTAL		98.7	131.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	448.1
4	18960601	6.4	1113.0	784.6
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54408.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
11440.0	11150.0	-290.0	-146.2	8.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16898.1
Total Storage Loss	-25451.9
Total Storage Deliver	-14790.8
Total Evaporation	-2685.4
Accounting Balance	11150.0
Current Res Content	11150.0
Storage Balance Error	0.0

DAILY STORAGE BALANCE

```
 11440.0 Reservoir Content Previous Day [ac-ft]
 11150.0 Reservoir Content Current Day [ac-ft]
  -290.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
            6.3 Storage Allocated to Mackay Reservoir [ac-ft]

         -260.2 Stored Flow Losses [ac-ft]
              -16.9 2B to Leslie [cfs]
              -84.1 Leslie to Moore [cfs]
              -30.2 Moore blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]
                0.0 Past Arco Gage [cfs]

          -19.4 Storage Delivered [ac-ft]
                --- Above Reservoir [cfs]
                0.2 Reservoir to 2B [cfs]
                0.7 2B to Leslie [cfs]
               23.9 Leslie to Moore [cfs]
              -15.0 Moore to blw Munsey [cfs]
                0.0 blw Munsey to Arco Gage [cfs]

          -16.5 Evaporation [ac-ft]

  -289.8 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
     0.2 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   182.1 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   182.1 Total Available Natural Flow [cfs]
-------------------------------------------------------------
             3.2 Reservoir Rights Diverted [cfs]

            98.7 Natural Flow Losses below Reservoir [cfs]
                21.1 2B to Leslie [cfs]
                77.6 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Natural Flow Past Arco Gage [cfs]

            80.2 Natural Flow Delivered [cfs]
                 --- Above Reservoir Storage Use [cfs]
                 3.8 Reservoir to 2B [cfs]
                40.3 2B to Leslie [cfs]
                36.1 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

   182.1 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In

Description	CFS	INCHES
Island Jensen Weir +	8.1	405
Eastside Felton Wier +	2.5	125
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	62.7	3134
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery

Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	66.6	3330
Total Out	68.6	3430

Abbreviated Reach Delivery Factor	1.09

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 109.4%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 57.0 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 9.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 8.8 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 57.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 15.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 6.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 60.7%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 63.3%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.2	116.0
9	KENT	2.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.0	219.8
9	BITTON	2.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.0	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	2.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	21.0	0.7	1422.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	2.1	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	16.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	3.0	660.6
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	0.0	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	119.8
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	0.0	0.0	295.1
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	3.0	1.0	816.3	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	45.4	18.5	6556.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	6.0	4.1	1525.0
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-7.2	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	-7.8	3121.7
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	2.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2199.3
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2485.0
5	L SMITH EXCHANGE	4.0	904.9	2	ISOM 1 EXCHANGE	9.7	1682.9	2	SCHUREMAN EXCHAN	6.4	2319.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1229.4	2	RASMUSSEN EXCHAN	5.1	1805.4
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2634.5	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Aug 31, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Aug 31	104.0	3.0	0.0	107.0	0.00	107.0	3.0	0.0	0.0	104.0	0.0	0.0
9	Howell to Chilly		Aug 31	0.0	24.2	0.0	-79.8	1.00	27.2	24.2	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Aug 31	175.3	15.6	0.0	190.9	0.00	218.1	10.6	5.0	0.0	180.3	-5.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Aug 31	320.0	0.0	0.0	175.3	0.00	175.3	0.0		0.0	175.3	144.7	0.0
6	Reservoir to 2B		Aug 31	316.0	4.0	0.0	0.0	0.00	175.3	3.6	0.4	0.0	171.7	144.3	0.0
5	2B to Leslie		Aug 31	237.0	42.0	0.0	-37.0	0.12	175.3	37.3	4.7	0.0	114.3	122.7	0.0
4	Leslie to Moore		Aug 31	0.0	64.4	0.0	-160.4	0.68	175.3	23.1	41.3	0.0	13.9	-13.9	0.0
2	Moore to blw Munsey		Aug 31	0.0	42.0	52.1	-9.6	0.78	175.3	3.0	-0.4	39.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Aug 31	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	104.8	51.0	39.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Aug 31	0.0	0.0		19050905	100%
9	Howell to Chilly	Aug 31	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Aug 31	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Aug 31	0.0	0.0		18870601	83%
6	Reservoir to 2B	Aug 31	0.0	0.0		18870601	83%
5	2B to Leslie	Aug 31	20.1	16.9		18870601	83%
4	Leslie to Moore	Aug 31	77.4	83.0		18870601	83%
2	Moore to blw Munsey	Aug 31	10.8	-1.3		18870601	83%
1	Blw Munsey to Arco	Aug 31	0.0	0.0		18870601	83%
	TOTAL		108.3	98.7	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	448.1
4	18960601	6.4	1113.0	784.6
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54408.1

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
11150.0	10850.0	-300.0	-151.2	6.5

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16898.1
Total Storage Loss	-25650.1
Total Storage Deliver	-14882.0
Total Evaporation	-2698.3
Accounting Balance	10847.7
Current Res Content	10850.0
Storage Balance Error	-2.3

DAILY STORAGE BALANCE

11150.0	Reservoir Content Previous Day [ac-ft]
10850.0	Reservoir Content Current Day [ac-ft]
-300.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-198.2	Stored Flow Losses [ac-ft]
-16.9	2B to Leslie [cfs]
-83.0	Leslie to Moore [cfs]
0.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-91.3	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.4	Reservoir to 2B [cfs]
4.7	2B to Leslie [cfs]
41.3	Leslie to Moore [cfs]
-0.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-13.0	Evaporation [ac-ft]
-302.5	Accounting Change in Storage [ac-ft]
-2.5	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

175.3	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
175.3	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
108.3	Natural Flow Losses below Reservoir [cfs]
20.1	2B to Leslie [cfs]
77.4	Leslie to Moore [cfs]
10.8	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
67.0	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.6	Reservoir to 2B [cfs]
37.3	2B to Leslie [cfs]
23.1	Leslie to Moore [cfs]
3.0	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
175.3	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.2	410
Eastside Felton Wier +	2.1	105
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	62.4	3119
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	0.0	0
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	45.1	2255
Total Out	47.1	2355

Abbreviated Reach Delivery Factor	0.76
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 75.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 39.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 5.8 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 7.7 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 62.5%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 12.2 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 9.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 55.3%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 47.2%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.4	116.8
9	KENT	1.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	220.1
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	4.6	1432.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	0.0	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	14.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	4.2	668.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	121.4
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	298.3
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	826.3	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	44.2	31.8	6619.7
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	9.0	6.2	1537.4
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-2.7	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	25.0	2.3	3126.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2234.2
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2512.8
5	L SMITH EXCHANGE	4.0	920.7	2	ISOM 1 EXCHANGE	9.7	1721.3	2	SCHUREMAN EXCHAN	6.4	2344.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1249.6	2	RASMUSSEN EXCHAN	5.1	1825.7
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2674.1	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 1, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Sep 1	102.0	3.0	0.0	105.0	0.00	105.0	3.0	0.0	0.0	102.0	0.0	0.0
9	Howell to Chilly		Sep 1	0.0	24.2	0.0	-77.8	1.00	27.2	24.2	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Sep 1	194.0	15.6	0.0	209.6	0.00	236.8	10.6	5.0	0.0	199.0	-5.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Sep 1	319.0	0.0	0.0	194.0	0.00	194.0	7.4		0.0	186.6	132.4	0.0
6	Reservoir to 2B		Sep 1	315.0	4.0	0.0	0.0	0.00	194.0	3.9	0.1	0.0	182.7	132.3	0.0
5	2B to Leslie		Sep 1	238.0	42.0	0.0	-35.0	0.11	194.0	42.0	0.0	0.0	120.4	117.6	0.0
4	Leslie to Moore		Sep 1	0.0	66.3	0.0	-163.3	0.69	194.0	26.2	40.1	0.0	11.6	-11.6	0.0
2	Moore to blw Munsey		Sep 1	0.0	40.5	52.1	-5.4	0.64	194.0	4.2	-1.2	37.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Sep 1	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
		* - Indicates flow estimated, not measured							TOTAL	121.5	44.0	37.4			

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Sep 1	0.0	0.0		19050905	100%
9	Howell to Chilly	Sep 1	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Sep 1	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Sep 1	0.0	0.0		18960601	66%
6	Reservoir to 2B	Sep 1	0.0	0.0		18960601	66%
5	2B to Leslie	Sep 1	20.3	14.7		18960601	66%
4	Leslie to Moore	Sep 1	82.6	80.7		18960601	66%
2	Moore to blw Munsey	Sep 1	7.4	-2.0		18960601	66%
1	Blw Munsey to Arco	Sep 1	0.0	0.0		18960601	66%
	TOTAL		110.3	93.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	454.4
4	18960601	6.4	1113.0	792.9
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54422.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
10850.0	10590.0	-260.0	-131.1	6.0

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16912.8
Total Storage Loss	-25839.3
Total Storage Deliver	-14959.4
Total Evaporation	-2710.3
Accounting Balance	10583.8
Current Res Content	10590.0
Storage Balance Error	-6.2

DAILY STORAGE BALANCE

10850.0	Reservoir Content Previous Day [ac-ft]
10590.0	Reservoir Content Current Day [ac-ft]
-260.0	Physical Change in Storage [ac-ft]
14.7	Storage Allocated to Mackay Reservoir [ac-ft]
-189.2	Stored Flow Losses [ac-ft]
-14.7	2B to Leslie [cfs]
-80.7	Leslie to Moore [cfs]
0.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-77.4	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.1	Reservoir to 2B [cfs]
0.0	2B to Leslie [cfs]
40.1	Leslie to Moore [cfs]
-1.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-12.0	Evaporation [ac-ft]
-263.9	Accounting Change in Storage [ac-ft]
-3.9	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

194.0	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
194.0	Total Available Natural Flow [cfs]
7.4	Reservoir Rights Diverted [cfs]
110.3	Natural Flow Losses below Reservoir [cfs]
20.3	2B to Leslie [cfs]
82.6	Leslie to Moore [cfs]
7.4	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
76.3	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.9	Reservoir to 2B [cfs]
42.0	2B to Leslie [cfs]
26.2	Leslie to Moore [cfs]
4.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
194.0	Natural Flow Delivered & Lost [cfs]
0.0	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.0	400
Eastside Felton Wier +	1.4	70
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	10.0	499
Total In	61.5	3074
Groundwater to Arco	22.1	1104
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	41.0	2050
Total Out	44.2	2210

Abbreviated Reach Delivery Factor	0.72
Total Out Divided By Total In	

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 71.9%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 37.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 3.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 4.9 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 58.9%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 8.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 12.6 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 48.9%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 42.3%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 1, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.1	117.0
9	KENT	1.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.0	220.1
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	22.0	0.0	1432.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	0.0	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	14.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	3.0	674.9
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	123.0
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	301.5
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	836.2	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	43.7	31.3	6681.8
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.6	8.2	1553.6
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-2.8	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.5	1.7	3129.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2269.1
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2540.5
5	L SMITH EXCHANGE	4.0	936.6	2	ISOM 1 EXCHANGE	9.7	1759.8	2	SCHUREMAN EXCHAN	6.4	2370.2
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1269.8	2	RASMUSSEN EXCHAN	5.1	1845.9
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	10.0	2713.7	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 2, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Exchange Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Sep 2	104.0	3.0	0.0	107.0	0.00	107.0	3.0	0.0	0.0	104.0	0.0	0.0
9	Howell to Chilly		Sep 2	0.0	24.2	0.0	-79.8	1.00	27.2	24.2	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Sep 2	173.5	15.6	0.0	189.1	0.00	216.3	10.6	5.0	0.0	178.5	-5.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Sep 2	319.0	0.0	0.0	173.5	0.00	173.5	0.0		0.0	173.5	145.5	0.0
6	Reservoir to 2B		Sep 2	315.0	4.0	0.0	0.0	0.00	173.5	3.6	0.4	0.0	170.0	145.0	0.0
5	2B to Leslie		Sep 2	240.0	38.0	0.0	-37.0	0.12	173.5	29.8	8.2	0.0	120.1	119.9	0.0
4	Leslie to Moore		Sep 2	0.0	65.8	0.0	-164.9	0.69	173.5	19.3	46.5	0.0	18.3	-18.3	0.0
2	Moore to blw Munsey		Sep 2	0.0	40.5	50.1	-8.8	0.94	173.5	1.1	-0.5	39.9	0.0	0.0	0.0
1	Blw Munsey to Arco		Sep 2	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	91.6	59.6	39.9			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Sep 2	0.0	0.0		19050905	100%
9	Howell to Chilly	Sep 2	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Sep 2	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Sep 2	0.0	0.0		18851002	81%
6	Reservoir to 2B	Sep 2	0.0	0.0		18851002	81%
5	2B to Leslie	Sep 2	20.0	17.0		18851002	81%
4	Leslie to Moore	Sep 2	82.6	82.4		18851002	81%
2	Moore to blw Munsey	Sep 2	17.2	-8.4		18851002	81%
1	Blw Munsey to Arco	Sep 2	0.0	0.0		18851002	81%
	TOTAL		119.8	91.0	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	454.4
4	18960601	6.4	1113.0	792.9
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54422.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
10590.0	10290.0	-300.0	-151.2	5.8

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16912.8
Total Storage Loss	-26036.5
Total Storage Deliver	-15067.7
Total Evaporation	-2721.8
Accounting Balance	10266.8
Current Res Content	10290.0
Storage Balance Error	-23.2

DAILY STORAGE BALANCE

10590.0	Reservoir Content Previous Day [ac-ft]
10290.0	Reservoir Content Current Day [ac-ft]
-300.0	Physical Change in Storage [ac-ft]
0.0	Storage Allocated to Mackay Reservoir [ac-ft]
-197.2	Stored Flow Losses [ac-ft]
-17.0	2B to Leslie [cfs]
-82.4	Leslie to Moore [cfs]
0.0	Moore blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Past Arco Gage [cfs]
-108.2	Storage Delivered [ac-ft]
---	Above Reservoir [cfs]
0.4	Reservoir to 2B [cfs]
8.2	2B to Leslie [cfs]
46.5	Leslie to Moore [cfs]
-0.5	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
-11.5	Evaporation [ac-ft]
-316.9	Accounting Change in Storage [ac-ft]
-16.9	Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

173.5	Gain in/above Mackay Reservoir [cfs]
0.0	Gain in Reach 5: 2-B to Leslie [cfs]
0.0	Gain in Reach 4: Leslie to Moore [cfs]
0.0	Gain in Reach 2: Moore to Munsey [cfs]
0.0	Gain in Reach 1: Munsey to Arco [cfs]
173.5	Total Available Natural Flow [cfs]
0.0	Reservoir Rights Diverted [cfs]
119.8	Natural Flow Losses below Reservoir [cfs]
20.0	2B to Leslie [cfs]
82.6	Leslie to Moore [cfs]
17.2	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
0.0	Natural Flow Past Arco Gage [cfs]
53.8	Natural Flow Delivered [cfs]
---	Above Reservoir Storage Use [cfs]
3.6	Reservoir to 2B [cfs]
29.8	2B to Leslie [cfs]
19.3	Leslie to Moore [cfs]
1.1	Moore to blw Munsey [cfs]
0.0	blw Munsey to Arco Gage [cfs]
173.6	Natural Flow Delivered & Lost [cfs]
-0.1	Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.0	400
Eastside Felton Wier +	1.6	80
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	59.7	2984
Groundwater to Arco	20.1	1004
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.4	2220
Total Out	47.6	2380

Abbreviated Reach Delivery Factor	0.80

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 79.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 39.9 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 4.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 5.6 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 59.8%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 9.3 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 12.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 53.1%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 47.7%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 2, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.4	117.9
9	KENT	1.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	220.3
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	18.0	8.0	1447.9
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	0.0	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	14.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	9.0	6.5	687.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	124.6
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	304.7
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	846.1	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	43.0	30.9	6743.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.0	10.4	1574.2
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-0.1	126.7
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.5	-0.4	3129.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

EXCHANGE PUMP	CFS PUMPED	AF YTD	EXCHANGE PUMP	CFS PUMPED	AF YTD	EXCHANGE PUMP	CFS PUMPED	AF YTD
8 Neilsen Injectio	0.0	0.0	2 POTTER EXCHANGE	0.0	0.0	2 ISOM 2 EXCHANGE	8.8	2304.0
5 JM SMITH EXCHANG	0.0	0.0	2 JENSEN EXCHANGE	0.0	102.2	2 QUIST EXCHANGE P	7.0	2568.3
5 L SMITH EXCHANGE	4.0	952.5	2 ISOM 1 EXCHANGE	9.7	1798.3	2 SCHUREMAN EXCHAN	6.4	2395.6
5 PEHRSON EXCHANGE	0.0	0.0	2 PARKINSON EXCHAN	5.1	1290.1	2 RASMUSSEN EXCHAN	5.1	1866.1
2 FOLKMAN EXCHANGE	0.0	0.0	2 MCDONALD EXCHANG	8.0	2745.3	2 WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 3, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Sep 3	3.0	3.0	0.0	6.0	0.00	6.0	3.0	0.0	0.0	3.0	0.0	0.0
9	Howell to Chilly		Sep 3	0.0	24.2	0.0	21.2	1.00	27.2	24.2	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Sep 3	178.6	15.6	0.0	194.2	0.00	221.4	10.6	5.0	0.0	183.6	-5.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Sep 3	321.0	0.0	0.0	178.6	0.00	178.6	0.0		0.0	178.6	142.4	0.0
6	Reservoir to 2B		Sep 3	317.0	4.0	0.0	0.0	0.00	178.6	3.6	0.4	0.0	175.0	142.0	0.0
5	2B to Leslie		Sep 3	245.0	38.0	0.0	-34.0	0.11	178.6	34.7	3.3	0.0	121.5	123.5	0.0
4	Leslie to Moore		Sep 3	0.0	65.1	0.0	-168.6	0.69	178.6	26.5	38.6	0.0	11.4	-11.4	0.0
2	Moore to blw Munsey		Sep 3	0.0	40.5	50.1	-10.2	0.90	178.6	1.2	0.0	39.3	0.0	0.0	0.0
1	Blw Munsey to Arco		Sep 3	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	103.8	47.3	39.3			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Sep 3	0.0	0.0		19050905	100%
9	Howell to Chilly	Sep 3	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Sep 3	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Sep 3	0.0	0.0		18870601	5%
6	Reservoir to 2B	Sep 3	0.0	0.0		18870601	5%
5	2B to Leslie	Sep 3	18.8	15.2		18870601	5%
4	Leslie to Moore	Sep 3	83.6	85.0		18870601	5%
2	Moore to blw Munsey	Sep 3	10.2	0.0		18870601	5%
1	Blw Munsey to Arco	Sep 3	0.0	0.0		18870601	5%
	TOTAL		112.6	100.2	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	454.4
4	18960601	6.4	1113.0	792.9
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54422.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
10290.0	9997.0	-293.0	-147.7	5.3

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16912.8
Total Storage Loss	-26235.2
Total Storage Deliver	-15151.6
Total Evaporation	-2732.4
Accounting Balance	9973.7
Current Res Content	9997.0
Storage Balance Error	-23.3

DAILY STORAGE BALANCE

```
 10290.0 Reservoir Content Previous Day [ac-ft]
  9997.0 Reservoir Content Current Day [ac-ft]
  -293.0 Physical Change in Storage [ac-ft]
-------------------------------------------------------------
             0.0 Storage Allocated to Mackay Reservoir [ac-ft]

          -198.7 Stored Flow Losses [ac-ft]
               -15.2 2B to Leslie [cfs]
               -85.0 Leslie to Moore [cfs]
                 0.0 Moore blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]
                 0.0 Past Arco Gage [cfs]

           -83.9 Storage Delivered [ac-ft]
                 --- Above Reservoir [cfs]
                 0.4 Reservoir to 2B [cfs]
                 3.3 2B to Leslie [cfs]
                38.6 Leslie to Moore [cfs]
                 0.0 Moore to blw Munsey [cfs]
                 0.0 blw Munsey to Arco Gage [cfs]

           -10.5 Evaporation [ac-ft]

  -293.1 Accounting Change in Storage [ac-ft]
-------------------------------------------------------------
    -0.1 Balance [ac-ft]
```

DAILY NATURAL FLOW BALANCE

```
   178.6 Gain in/above Mackay Reservoir [cfs]
     0.0 Gain in Reach 5: 2-B to Leslie [cfs]
     0.0 Gain in Reach 4: Leslie to Moore [cfs]
     0.0 Gain in Reach 2: Moore to Munsey [cfs]
     0.0 Gain in Reach 1: Munsey to Arco [cfs]
-------------------------------------------------------------
   178.6 Total Available Natural Flow [cfs]
-------------------------------------------------------------
             0.0 Reservoir Rights Diverted [cfs]

           112.6 Natural Flow Losses below Reservoir [cfs]
                 18.8 2B to Leslie [cfs]
                 83.6 Leslie to Moore [cfs]
                 10.2 Moore to blw Munsey [cfs]
                  0.0 blw Munsey to Arco Gage [cfs]
                  0.0 Natural Flow Past Arco Gage [cfs]

            66.0 Natural Flow Delivered [cfs]
                 --- Above Reservoir Storage Use [cfs]
                  3.6 Reservoir to 2B [cfs]
                 34.7 2B to Leslie [cfs]
                 26.5 Leslie to Moore [cfs]
                  1.2 Moore to blw Munsey [cfs]
                  0.0 blw Munsey to Arco Gage [cfs]

   178.6 Natural Flow Delivered & Lost [cfs]
-------------------------------------------------------------
     0.0 Balance [cfs]
```

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.1	405
Eastside Felton Wier +	3.1	155
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	61.3	3064
Groundwater to Arco	20.1	1004
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.9	2245
Total Out	48.1	2405

Abbreviated Reach Delivery Factor	0.78

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 78.5%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 39.3 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 5.6 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 7.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 62.7%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 11.4 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 12.0 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 55.4%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 49.2%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 3, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.4	118.7
9	KENT	1.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	220.6
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	15.0	0.0	471.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	18.0	3.1	1454.0
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	3.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	0.0	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	14.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	7.5	2.7	693.1
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.8	0.8	126.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	307.8
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	856.0	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	43.5	29.7	6802.0
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	12.0	7.2	1588.5
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	0.0	126.8
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.5	0.0	3129.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2338.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2596.1
5	L SMITH EXCHANGE	4.0	968.3	2	ISOM 1 EXCHANGE	9.7	1836.8	2	SCHUREMAN EXCHAN	6.4	2421.0
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1310.3	2	RASMUSSEN EXCHAN	5.1	1886.3
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	2777.0	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 4, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Sep 4	105.0	3.0	0.0	108.0	0.00	108.0	3.0	0.0	0.0	105.0	0.0	0.0
9	Howell to Chilly		Sep 4	0.0	24.2	0.0	-80.8	1.00	27.2	24.2	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Sep 4	186.1	12.6	0.0	198.7	0.00	225.9	7.6	5.0	0.0	191.1	-5.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Sep 4	319.0	0.0	0.0	186.1	0.00	186.1	0.0		0.0	186.1	132.9	0.0
6	Reservoir to 2B		Sep 4	315.0	4.0	0.0	0.0	0.00	186.1	3.6	0.4	0.0	182.5	132.5	0.0
5	2B to Leslie		Sep 4	244.0	41.0	0.0	-30.0	0.10	186.1	38.2	2.8	0.0	126.9	117.1	0.0
4	Leslie to Moore		Sep 4	0.0	66.3	0.0	-166.0	0.68	186.1	26.5	39.8	0.0	14.1	-14.1	0.0
2	Moore to blw Munsey		Sep 4	0.0	40.5	50.1	-9.7	0.82	186.1	2.5	-0.4	38.4	0.0	0.0	0.0
1	Blw Munsey to Arco		Sep 4	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	105.6	47.6	38.4			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Sep 4	0.0	0.0		19050905	100%
9	Howell to Chilly	Sep 4	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Sep 4	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Sep 4	0.0	0.0		18870601	68%
6	Reservoir to 2B	Sep 4	0.0	0.0		18870601	68%
5	2B to Leslie	Sep 4	17.4	12.6		18870601	68%
4	Leslie to Moore	Sep 4	86.3	79.7		18870601	68%
2	Moore to blw Munsey	Sep 4	11.6	-1.9		18870601	68%
1	Blw Munsey to Arco	Sep 4	0.0	0.0		18870601	68%
	TOTAL		115.3	90.4	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	454.4
4	18960601	6.4	1113.0	792.9
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54422.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
9997.0	9721.0	-276.0	-139.1	6.2

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16912.8
Total Storage Loss	-26418.3
Total Storage Deliver	-15236.1
Total Evaporation	-2744.7
Accounting Balance	9693.7
Current Res Content	9721.0
Storage Balance Error	-27.3

DAILY STORAGE BALANCE

9997.0 Reservoir Content Previous Day [ac-ft]
9721.0 Reservoir Content Current Day [ac-ft]
-276.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-183.1 Stored Flow Losses [ac-ft]
-12.6 2B to Leslie [cfs]
-79.7 Leslie to Moore [cfs]
0.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-84.5 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.4 Reservoir to 2B [cfs]
2.8 2B to Leslie [cfs]
39.8 Leslie to Moore [cfs]
-0.4 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-12.4 Evaporation [ac-ft]

-280.0 Accounting Change in Storage [ac-ft]

-4.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

186.1 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

186.1 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

115.3 Natural Flow Losses below Reservoir [cfs]
17.4 2B to Leslie [cfs]
86.3 Leslie to Moore [cfs]
11.6 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

70.8 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.6 Reservoir to 2B [cfs]
38.2 2B to Leslie [cfs]
26.5 Leslie to Moore [cfs]
2.5 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

186.1 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.1	405
Eastside Felton Wier +	4.1	205
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	62.3	3114
Groundwater to Arco	20.1	1004
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.6	2230
Total Out	47.8	2390

Abbreviated Reach Delivery Factor	0.77

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 76.8%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 38.4 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 6.2 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 8.0 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 68.3%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 11.8 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.2 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 59.6%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 52.4%

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 4, 2026 20260909

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.4	119.5
9	KENT	1.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	220.9
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.0	471.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	18.0	2.6	1459.3
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	0.0	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	14.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	7.5	2.7	698.5
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	126.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	311.0
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	865.9	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	45.5	31.7	6864.9
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.2	6.4	1601.1
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-0.9	126.8
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.5	0.5	3130.6
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
(6) KENT use combined with BITTON
(7) 6X Ranch Pump use combined with 6X Ranch Navarre
(8) 13121400 use combined with Cherian
(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2373.9
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2623.9
5	L SMITH EXCHANGE	4.0	984.2	2	ISOM 1 EXCHANGE	9.7	1875.3	2	SCHUREMAN EXCHAN	6.4	2446.4
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1330.5	2	RASMUSSEN EXCHAN	5.1	1906.6
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	2808.6	2	WADDOUPS GW INTO	0.0	0.0

WATER DISTRICT 34 - BIG LOST RIVER FLOW ACCOUNTING (VER 2.1.2.138) - Sep 5, 2026 20260909

	Reach Flows in cfs		Actual Date	Actual Flow	Total Rch Div	Exchange Flow	Reach Gain	Convey Loss	Natural Flow	Nat Flow Divert	Sto Flow Divert	Exc Flow Divert	Nat Flow Remain	Sto Flow Remain	Exc Flow Remain
10	Howell Gage		Sep 5	106.0	3.0	0.0	109.0	0.00	109.0	3.0	0.0	0.0	106.0	0.0	0.0
9	Howell to Chilly		Sep 5	0.0	24.2	0.0	-81.8	1.00	27.2	24.2	0.0	0.0	0.0	0.0	0.0
8	Chilly to Reservoir	*	Sep 5	173.7	12.6	0.0	186.3	0.00	213.5	7.6	5.0	0.0	178.7	-5.0	0.0
	Disconnected														
7	Mackay Reservoir	*	Sep 5	319.0	0.0	0.0	173.7	0.00	173.7	0.0		0.0	173.7	145.3	0.0
6	Reservoir to 2B		Sep 5	315.0	4.0	0.0	0.0	0.00	173.7	3.6	0.4	0.0	170.1	144.9	0.0
5	2B to Leslie		Sep 5	245.0	41.0	0.0	-29.0	0.09	173.7	37.9	3.1	0.0	116.5	128.5	0.0
4	Leslie to Moore		Sep 5	0.0	65.8	0.0	-168.2	0.69	173.7	26.6	39.1	0.0	9.9	-9.9	0.0
2	Moore to blw Munsey		Sep 5	0.0	40.5	50.1	-9.2	0.83	173.7	1.7	0.2	38.6	0.0	0.0	0.0
1	Blw Munsey to Arco		Sep 5	0.0	0.0	0.0	0.0	0.00		0.0	0.0	0.0	0.0	0.0	0.0
									TOTAL	104.6	47.8	38.6			

* - Indicates flow estimated, not measured

REACH LOSS DATA

	Reach	Actual Date	Nat Flow Loss	Sto Flow Loss	Exc Flow Loss	Priority	Percent Filled
10	Howell Gage	Sep 5	0.0	0.0		19050905	100%
9	Howell to Chilly	Sep 5	0.0	0.0		19050905	100%
8	Chilly to Reservoir	Sep 5	0.0	0.0		19050905	100%
	Disconnected						
7	Mackay Reservoir	Sep 5	0.0	0.0		18870601	29%
6	Reservoir to 2B	Sep 5	0.0	0.0		18870601	29%
5	2B to Leslie	Sep 5	15.7	13.3		18870601	29%
4	Leslie to Moore	Sep 5	80.0	88.2		18870601	29%
2	Moore to blw Munsey	Sep 5	8.2	1.0		18870601	29%
1	Blw Munsey to Arco	Sep 5	0.0	0.0		18870601	29%
	TOTAL		103.9	102.5	0.0		

MACKAY RESERVOIR RIGHTS

Order	Priority	Rate (cfs)	Right (AF)	Stored (AF)
1	18800630	3.2	556.5	556.5
2	18810630	1.7	294.0	294.0
3	18880601	3.2	556.5	454.4
4	18960601	6.4	1113.0	792.9
5	19020301	0.8	140.0	93.6
6	19051002	Unlimited	20646.0	20646.0
7	19160207	Unlimited	17205.0	17205.0
8	19590902	Unlimited	6000.0	6000.0
9	Add Vol	Unlimited	200000.0	8380.4
10	Rotation	Unlimited	100000.0	0.0
	TOTAL		346511.0	54422.8

SUMMARY OF MACKAY RESERVOIR & BELOW

Previous Content (AF)	Current Content (AF)	Change Content (AF)	Change Content (cfs)	Daily Evap (cfs)
9721.0	9421.0	-300.0	-151.2	5.9

RESERVOIR BALANCE CALCULATION (AF)

Beg Storage (4/30)	37180.0
Allocated Storage	16912.8
Total Storage Loss	-26621.6
Total Storage Deliver	-15321.0
Total Evaporation	-2756.5
Accounting Balance	9393.7
Current Res Content	9421.0
Storage Balance Error	-27.3

DAILY STORAGE BALANCE

9721.0 Reservoir Content Previous Day [ac-ft]
9421.0 Reservoir Content Current Day [ac-ft]
-300.0 Physical Change in Storage [ac-ft]

0.0 Storage Allocated to Mackay Reservoir [ac-ft]

-203.3 Stored Flow Losses [ac-ft]
-13.3 2B to Leslie [cfs]
-88.2 Leslie to Moore [cfs]
-1.0 Moore blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Past Arco Gage [cfs]

-84.9 Storage Delivered [ac-ft]
--- Above Reservoir [cfs]
0.4 Reservoir to 2B [cfs]
3.1 2B to Leslie [cfs]
39.1 Leslie to Moore [cfs]
0.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

-11.8 Evaporation [ac-ft]

-300.0 Accounting Change in Storage [ac-ft]

0.0 Balance [ac-ft]

DAILY NATURAL FLOW BALANCE

173.7 Gain in/above Mackay Reservoir [cfs]
0.0 Gain in Reach 5: 2-B to Leslie [cfs]
0.0 Gain in Reach 4: Leslie to Moore [cfs]
0.0 Gain in Reach 2: Moore to Munsey [cfs]
0.0 Gain in Reach 1: Munsey to Arco [cfs]

173.7 Total Available Natural Flow [cfs]

0.0 Reservoir Rights Diverted [cfs]

103.9 Natural Flow Losses below Reservoir [cfs]
15.7 2B to Leslie [cfs]
80.0 Leslie to Moore [cfs]
8.2 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]
0.0 Natural Flow Past Arco Gage [cfs]

69.8 Natural Flow Delivered [cfs]
--- Above Reservoir Storage Use [cfs]
3.6 Reservoir to 2B [cfs]
37.9 2B to Leslie [cfs]
26.6 Leslie to Moore [cfs]
1.7 Moore to blw Munsey [cfs]
0.0 blw Munsey to Arco Gage [cfs]

173.7 Natural Flow Delivered & Lost [cfs]

0.0 Balance [cfs]

Abbreviated Reach

In		
Description	CFS	INCHES
Island Jensen Weir +	8.0	400
Eastside Felton Wier +	3.3	165
Island Felton Farms Wells In +	0.0	0
Island Doug Hendricks Wells In +	0.0	0
Island Theola Jensen Wells In +	0.0	0
Munsey Jay Jensen OD Wells In +	0.0	0
Munsey Parkinson Farms-1 OD Wells In +	5.1	255
Munsey Schureman (IN) Wells In +	6.4	320
Munsey Telford Isom Wells In +	9.7	485
Munsey Telford Lower Wells In +	8.8	440
Arco Lost River Rasmussen Wells In +	5.1	255
Arco Quist Wells In +	7.0	350
Arco Standlee OD Wells IN (Island)	8.0	399
Total In	61.4	3069
Groundwater to Arco	20.1	1004
Groundwater to Munsey	30.0	1500

Delivery		
Description	CFS	INCHES
Eastside Nolan Beard Delivery +	0.0	0
Eastside Tyler Felton Delivery +	0.0	0
Eastside Valarie Backcock +	0.0	0
Eastside PU Ranch Delivery +	1.2	60
Eastside Richard Reynolds Delivery +	0.0	0
Eastside Rosenkrance (Felton) Delivery +	0.0	0
Eastside Waddoups Delivery +	0.0	0
Eastside Walker Delivery +	0.0	0
Eastside V Reynolds Delivery +	0.0	0
Eastside & Island Recharge +	0.0	0
Island Babcock Delivery +	0.0	0
Island Felton Farms Delivery +	0.0	0
Island Doug Hendricks Delivery +	2.0	100
Island Norm Sowards Delivery +	0.0	0
Island Wanstrom David +	0.0	0
Eastside OUT	44.1	2205
Total Out	47.3	2365

Abbreviated Reach Delivery Factor	0.77

Total Out Divided By Total In

Eastside Delivery Factor

Step	Description	Value
Step 1 - Abbreviated Reach Delivery Factor (GW Delivery Factor)		
	Eastside Out + Eastside diversion below weirs / Weirs + Groundwater Injection	= 77.1%
Step 2 - Groundwater at Eastside Out		
	Groundwater Inj. X Abbreviated Reach Delivery Factor	= 38.6 cfs
Step 3 - River at Eastside Out		
	Eastside Out - Groundwater at Eastside Out	= 5.5 cfs
Step 4 - River at Weirs		
	River at Eastside Out / Abbreviated Reach Delivery Factor	= 7.1 cfs
Step 5 - Upper Reach Delivery Factor		
	Weirs + Eastside Diversion Above Weirs / Eastside In	= 64.6%
Step 6 - River at Eastside In		
	River at Weirs / Upper Reach Delivery Factor	= 11.1 cfs
Step 7 - Canal at Eastside In		
	Eastside In - River at Eastside In	= 11.8 cfs
Step 8 - Canal Delivery Factor		
	Eastside Div. Abv Weirs + Eastside Div. Blw Weirs / Canal at Eastside	= 56.5%
Step 9 - Eastside River Delivery Factor		
	River at Eastside Out / River at Eastside In	= 49.8%

RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED	RCH	DIVERSION	CFS DIVN	CFS STOR	AF STOR USED
10	Sorensen	0.0	0.0	0.0	8	No Tellum 2	0.0	0.0	69.4	6	BIG LOST RIVER O	0.0	0.0	0.0
10	HOWELL	3.0	0.0	9.5	8	No Tellum 3	0.0	0.0	0.0	6	SHARP	4.0	0.4	120.4
9	KENT	1.0	0.0	3.7	8	Gates/Woods 1	1.8	0.0	0.0	5	STREETER	0.0	0.0	0.0
9	BRADSHAW	3.7	0.0	22.8	8	Gates/Woods 2	0.0	0.0	0.0	5	SWAUGER	5.0	0.1	221.2
9	BITTON	3.0	0.0	4.3	8	No Tellum 4	0.0	0.0	0.0	5	MARINAC	0.0	0.0	0.0
9	Anderson	2.5	0.0	0.0	8	No Tellum 5	0.0	0.0	0.0	5	DARLINGTON	18.0	0.0	471.5
9	Thalman Hunter D	0.0	0.0	0.0	8	Gates/Woods/6X R	0.0	0.0	0.0	5	BURNETT	18.0	2.9	1465.1
9	Johnson/Hatmaker	0.0	0.0	0.0	8	Smith Pumps	0.0	0.0	0.0	5	HARRIS-VAUGHT	0.0	0.0	137.5
9	NEILSEN	0.0	0.0	87.9	8	Freeman/Kent	0.0	0.0	0.0	5	MAGEE PUMP	0.0	0.0	0.0
9	Bradshaw 2	0.0	0.0	0.0	8	Broken River Pum	0.0	0.0	2.5	5	SUTTER	0.0	0.0	0.0
9	CHILLY	14.0	0.0	120.8	8	Broken River Dit	0.0	0.0	0.0	5	ANGELO	0.0	0.0	0.0
9	INGRAM	0.0	0.0	0.0	8	Freeman 2	0.0	0.0	0.0	4	BECK	7.5	2.7	703.8
9	Cherian	0.0	0.0	0.0	8	Freeman 3	0.0	0.0	0.0	4	PEHRSON	1.8	0.0	21.4
9	LONGHURST	0.0	0.0	0.0	8	Freeman/Hill Pum	0.0	0.0	3.0	4	LOW BURNETT	0.0	0.0	0.0
8	Mtn. Springs 3	0.0	0.0	0.0	8	6X Ranch 5	0.0	0.0	0.0	4	UC Canal	0.0	0.0	0.0
8	Donahue 1	0.0	0.0	11.1	8	Johnson/Navarro	0.0	0.0	0.0	4	3IN1	0.0	0.0	78.0
8	Zollinger 1	0.0	0.0	7.7	8	6X Ranch 6	0.0	0.0	0.0	4	CRAWFORD PUMP	0.0	0.0	126.2
8	Zollinger 3	0.0	0.0	0.0	8	Stoecklein 3	0.0	0.0	0.0	4	B AND J	0.0	0.0	0.0
8	Pence Diversion	0.0	0.0	5.2	8	Upper Fish Hatch	0.0	0.0	0.0	4	Dennis Moss Pump	1.6	1.6	314.2
8	Unger	0.0	0.0	0.0	8	Freeman Ditch	0.0	0.0	15.9	4	Robert Moss	0.0	0.0	0.0
8	6X Ranch 1	5.0	5.0	875.9	8	Stoecklein 1	3.2	0.0	4.0	4	Mike Webb Pump	0.0	0.0	0.0
8	Mtn. Springs 1	0.0	0.0	0.0	8	Stoecklein 2	0.0	0.0	0.0	4	MOORE	45.0	31.4	6927.2
8	Mtn. Springs 4	0.0	0.0	0.0	8	Stoecklein 4	0.0	0.0	0.0	4	EASTSIDE FIELD H	11.8	6.7	1614.4
8	Mtn. Springs 2	0.0	0.0	0.0	8	Shoupe Ditch	2.0	0.0	0.0	2	NICHOLS	0.0	0.0	0.0
8	Donahue 2	0.0	0.0	0.0	8	Gates Pump 1	0.0	0.0	0.0	2	ARCO	17.0	-0.2	126.8
8	Simmons	0.0	0.0	0.0	8	Gates Pump 2	0.0	0.0	0.0	2	MUNSEY	23.5	0.4	3131.3
8	Donahue 4	0.0	0.0	0.0	8	6X Ranch Pump	0.0	0.0	0.0	1	MILLER	0.0	0.0	0.0
8	Donahue 3	0.0	0.0	0.0	8	6X Ranch Navarre	0.6	0.0	0.0	1	MCLAUGHLIN	0.0	0.0	0.0
8	Zollinger 2	0.0	0.0	0.0	8	Gates/Woods 3	0.0	0.0	0.0	1	FOLKMAN PUMP	0.0	0.0	0.0
8	Zollinger/No Tel	0.0	0.0	7.0	8	6X Ranch 3	0.0	0.0	27.8	1	HUGGINS PUMP	0.0	0.0	0.0
8	Churn Dasher Ran	0.0	0.0	0.0	8	6X Ranch 4	0.0	0.0	0.0	1	QUIST PUMP #1	0.0	0.0	0.0
8	No Tellum 1	0.0	0.0	9.5	7	MACKAY DAM	0.0	0.0	0.0	1	QUIST PUMP #2	0.0	0.0	0.0

(1) Donahue 3 & 4 use combined with Donahue 2
(2) Mtn. Springs 2, 3 & 4 use combined with Mtn. Springs 1
(3) No Tellum 2, 3, 4 & 5 use combined with No Tellum 1
(4) 13120300 use combined with Sorensen
(5) Zollinger 3 use combined with Zollinger 1
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(*) OVERAGES SHOWN MAY DUE TO NELSON INJECTION

	EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD		EXCHANGE PUMP	CFS PUMPED	AF YTD
8	Neilsen Injectio	0.0	0.0	2	POTTER EXCHANGE	0.0	0.0	2	ISOM 2 EXCHANGE	8.8	2408.8
5	JM SMITH EXCHANG	0.0	0.0	2	JENSEN EXCHANGE	0.0	102.2	2	QUIST EXCHANGE P	7.0	2651.6
5	L SMITH EXCHANGE	4.0	1000.1	2	ISOM 1 EXCHANGE	9.7	1913.7	2	SCHUREMAN EXCHAN	6.4	2471.8
5	PEHRSON EXCHANGE	0.0	0.0	2	PARKINSON EXCHAN	5.1	1350.8	2	RASMUSSEN EXCHAN	5.1	1926.8
2	FOLKMAN EXCHANGE	0.0	0.0	2	MCDONALD EXCHANG	8.0	2840.3	2	WADDOUPS GW INTO	0.0	0.0