

WATER RIGHT ACCOUNTING BASICS

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Water District #1

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Water Delivery

Two types of water delivery:

Natural Flow: Water that would otherwise be in the river without the contribution of previously stored water in reservoirs.

Storage: Water released from storage reservoirs previously captured during the non-irrigation season or when the total runoff exceeds the demand by natural-flow water rights.

Water Right Parameters

- Natural Flow water rights have points-of-diversion, priority dates, and flow rates.
- Natural Flow is delivered to the earliest priority first, limited to the amount of natural flow at the point of diversion and the diversion's water right flow rate.
- Storage is delivered to diversions when there isn't enough natural flow at the point-of-diversion to fill the diversion's water right priority or the diversion exceeds its water right flow rate.



Definitions

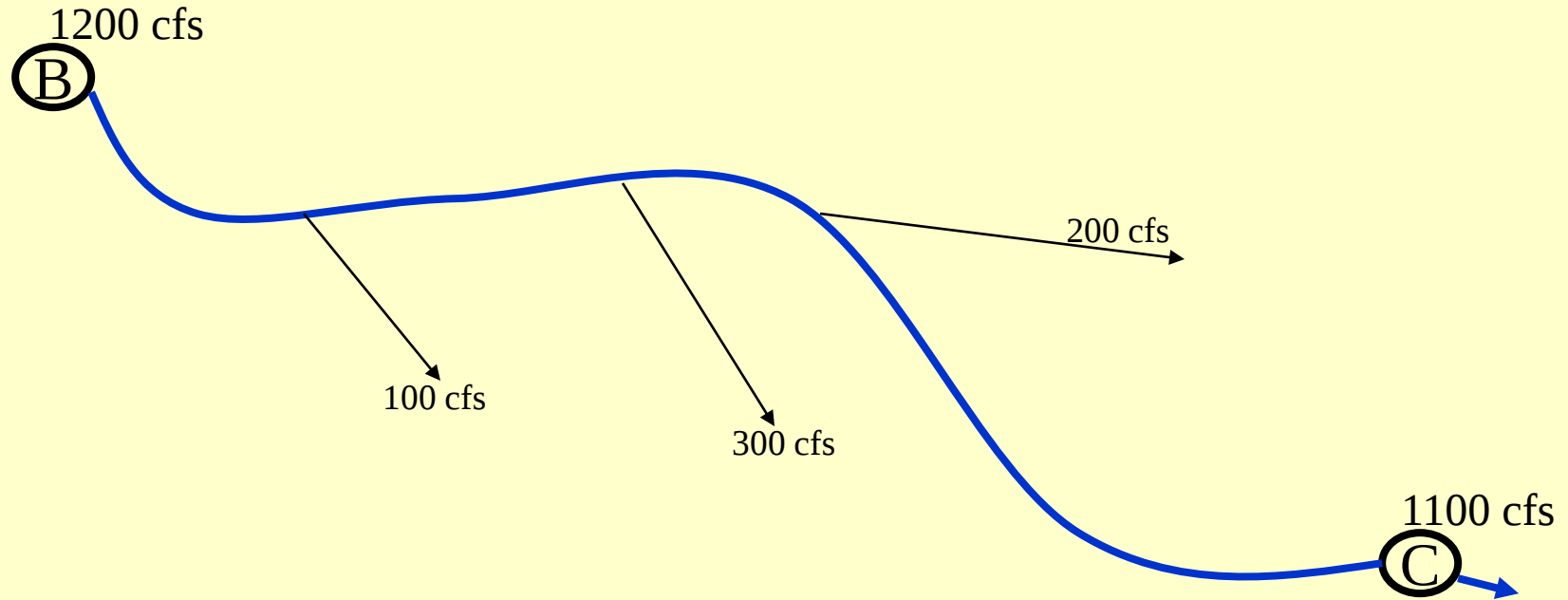
- **REACH GAIN** is the gains or losses of water within a river reach. Reach-gain computations in the accounting are adjusted to remove the effects of diversions and changes due to reservoirs within a reach.
- **NATURAL FLOW** is equal to the computed reach gain, or cumulative upstream reach gains, in the river system.

River Reach without Diversions or Reservoirs



$$\begin{aligned}\text{Reach Gain} &= \text{Outflow minus Inflow} \\ &= 750 \text{ cfs} - 500 \text{ cfs} \\ &= 250 \text{ cfs}\end{aligned}$$

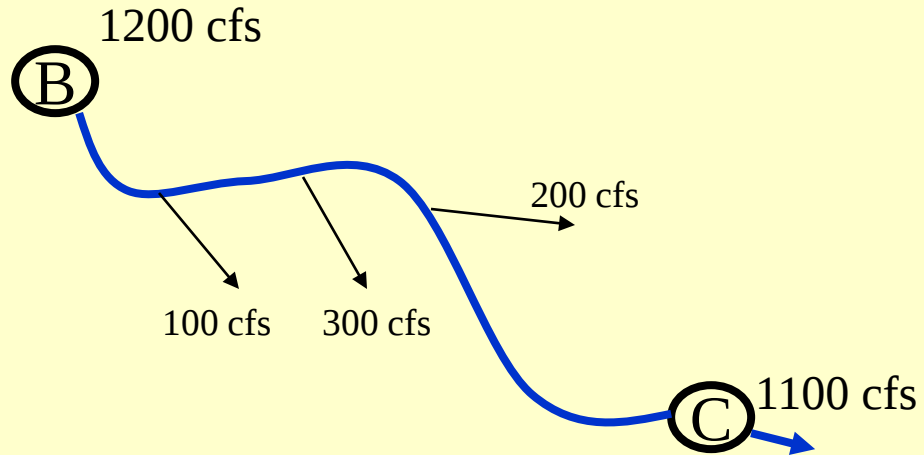
River Reach with Diversions



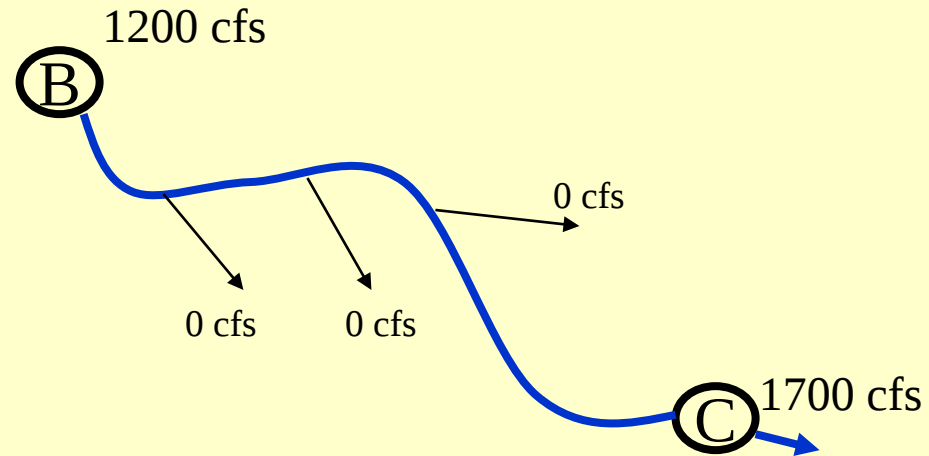
$$\begin{aligned}\text{Reach Gain} &= \text{Outflow} - \text{Inflow} + \text{Diversions} \\ &= 1100 \text{ cfs} - 1200 \text{ cfs} + 600 \text{ cfs} \\ &= 500 \text{ cfs}\end{aligned}$$

REACH GAIN = 500 CFS

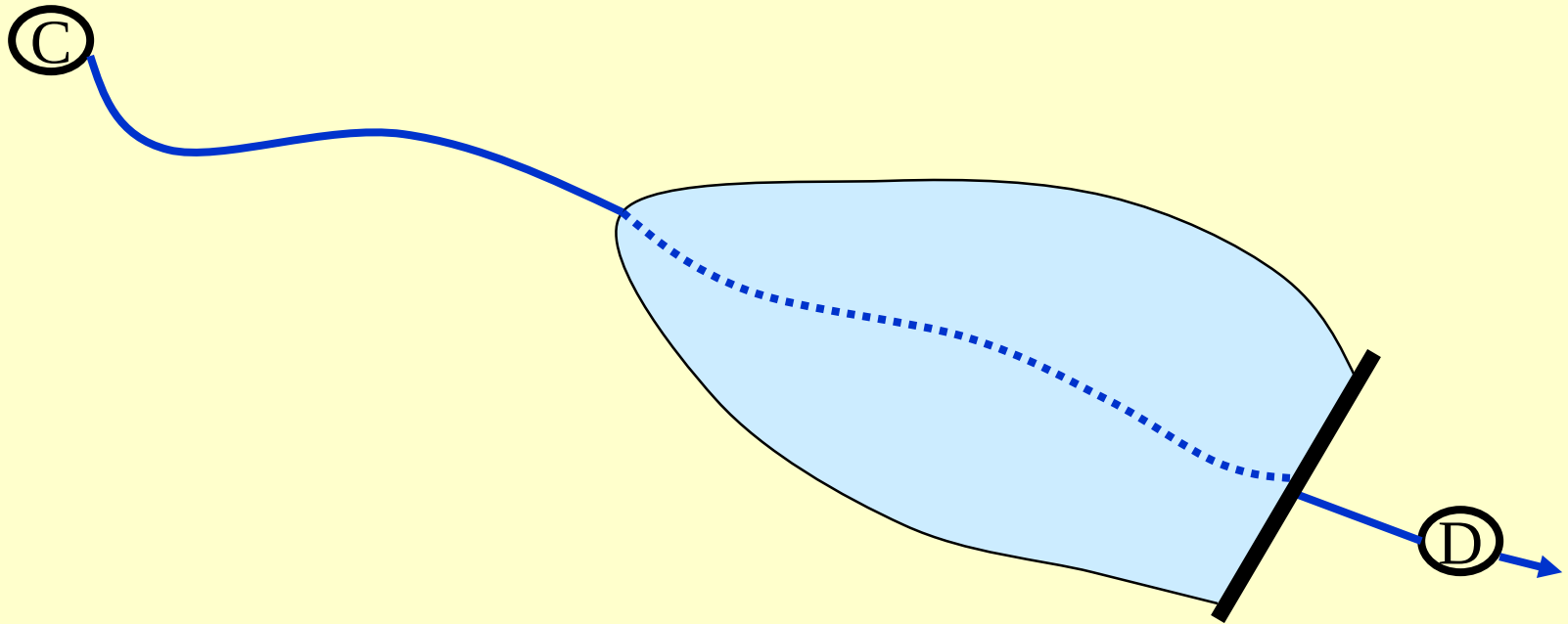
With Diversions



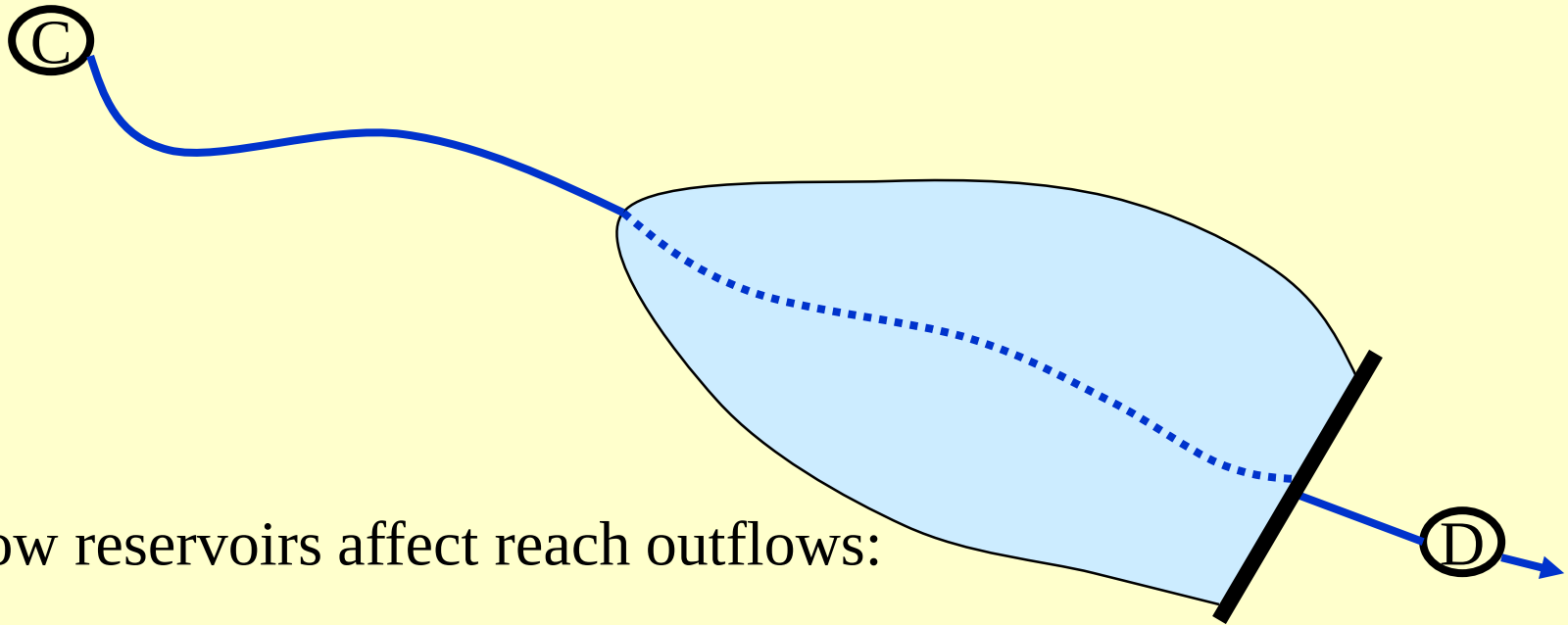
Without Diversions



River Reach with a Reservoir



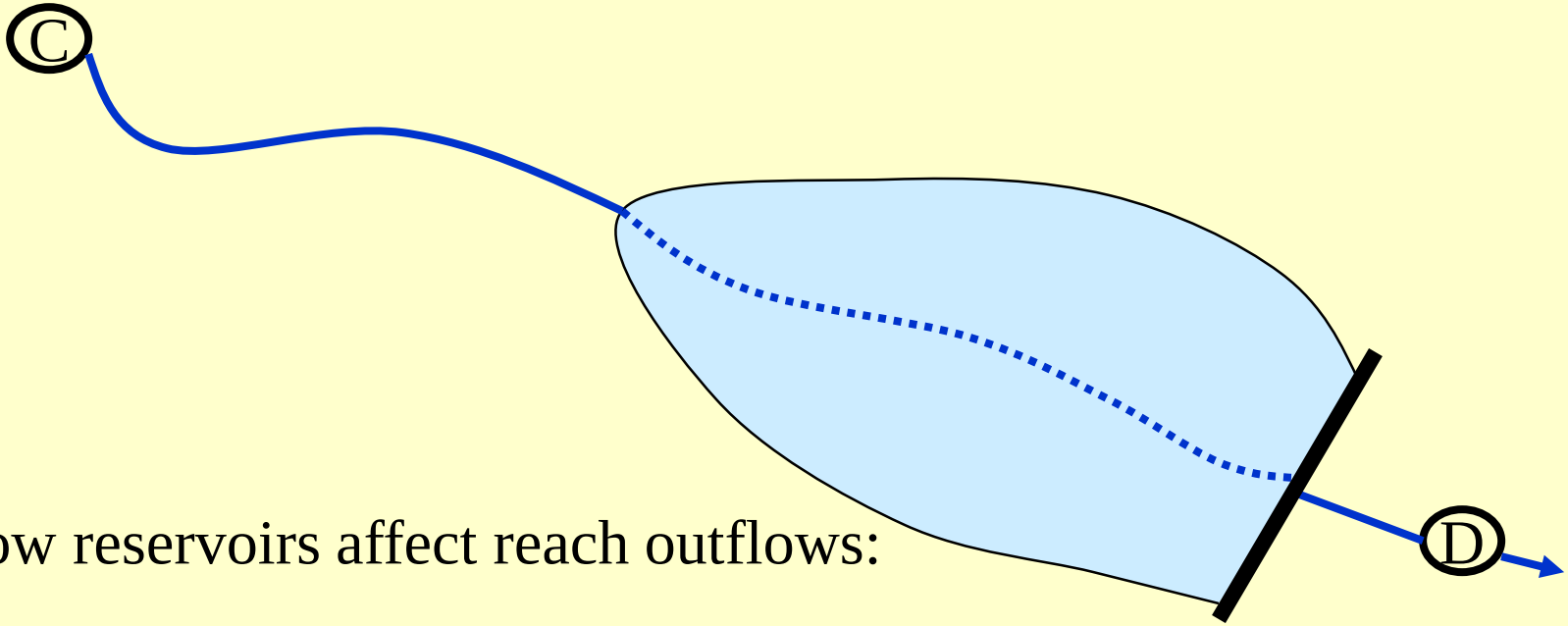
River Reach with a Reservoir



How reservoirs affect reach outflows:

- 1) Decreases discharge at **D** by storing inflow;

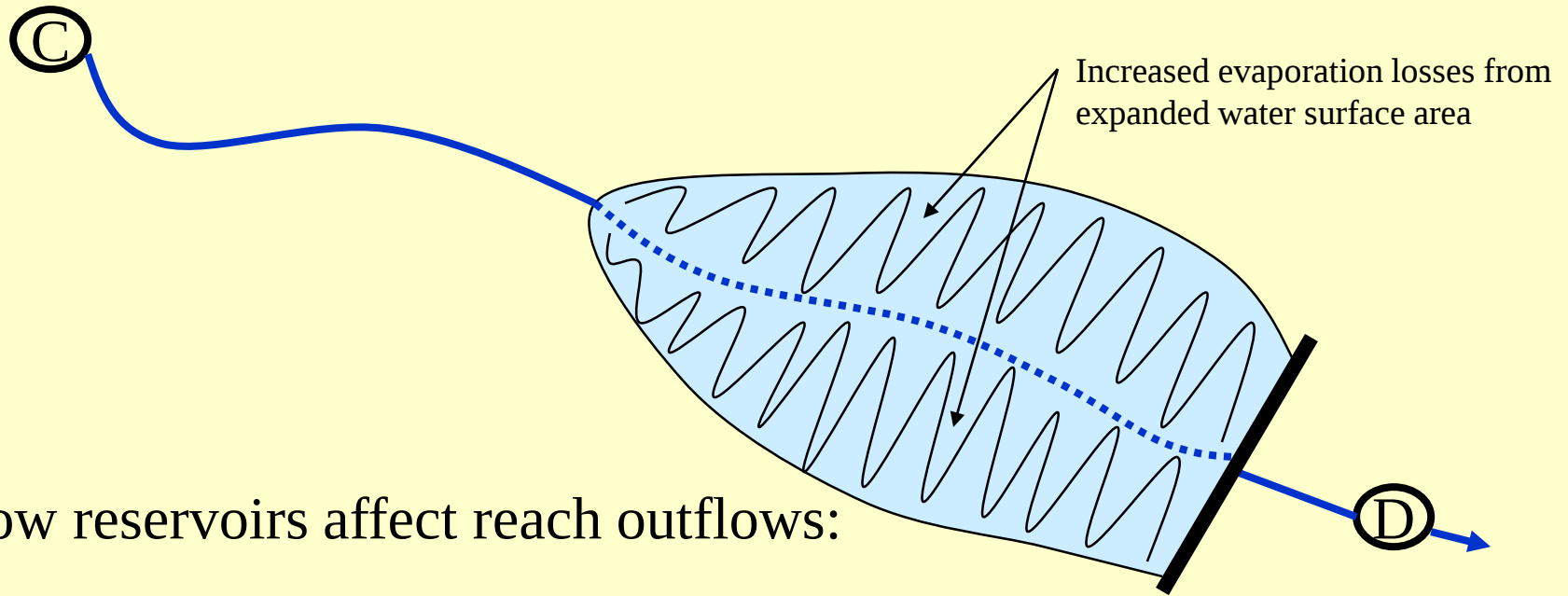
River Reach with a Reservoir



How reservoirs affect reach outflows:

- 1) Decreases discharge at **D** by storing inflow;
- 2) Increases discharge at **D** by releasing previously stored inflow;

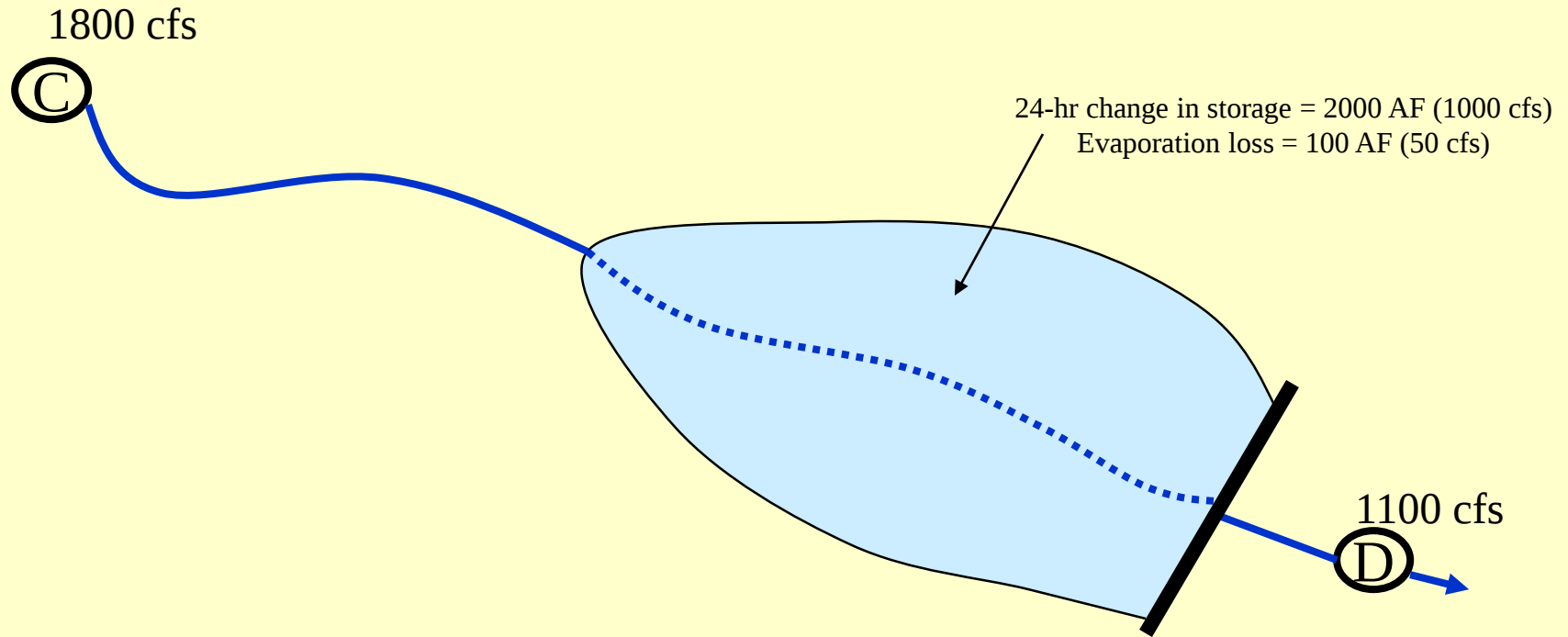
River Reach with a Reservoir



How reservoirs affect reach outflows:

- 1) Decreases discharge at ① by storing inflow;
- 2) Increases discharge at ① by releasing previously stored inflow;
- 3) Increases reach evaporation losses because of the expanded surface area of the reservoir.

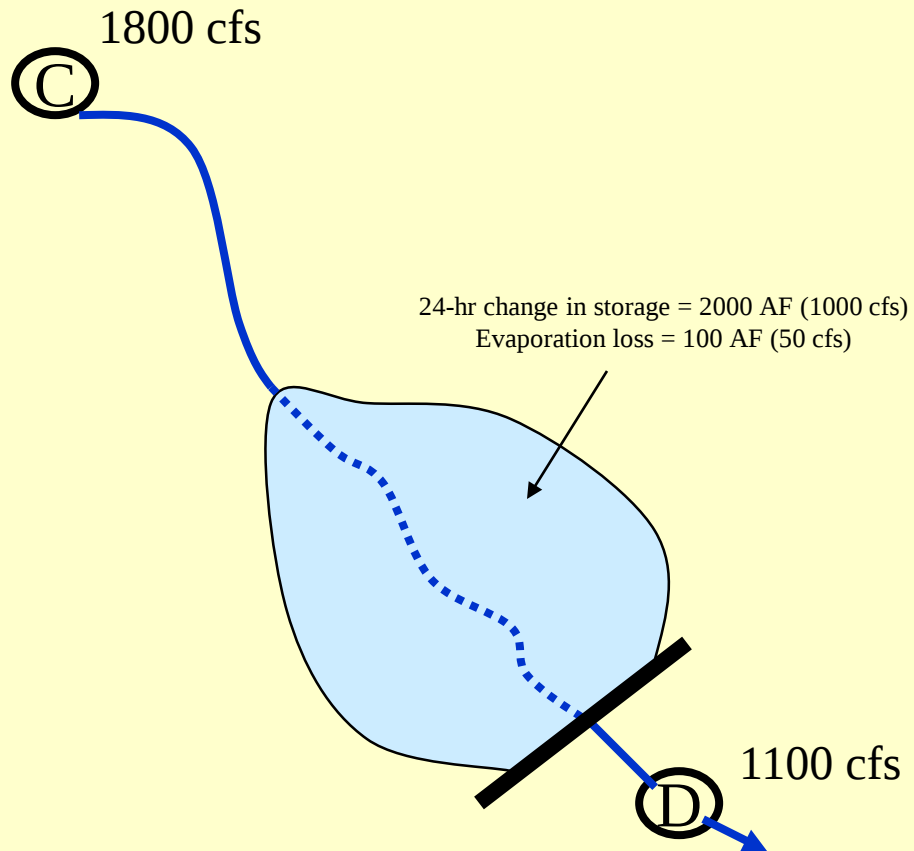
River Reach with a Reservoir



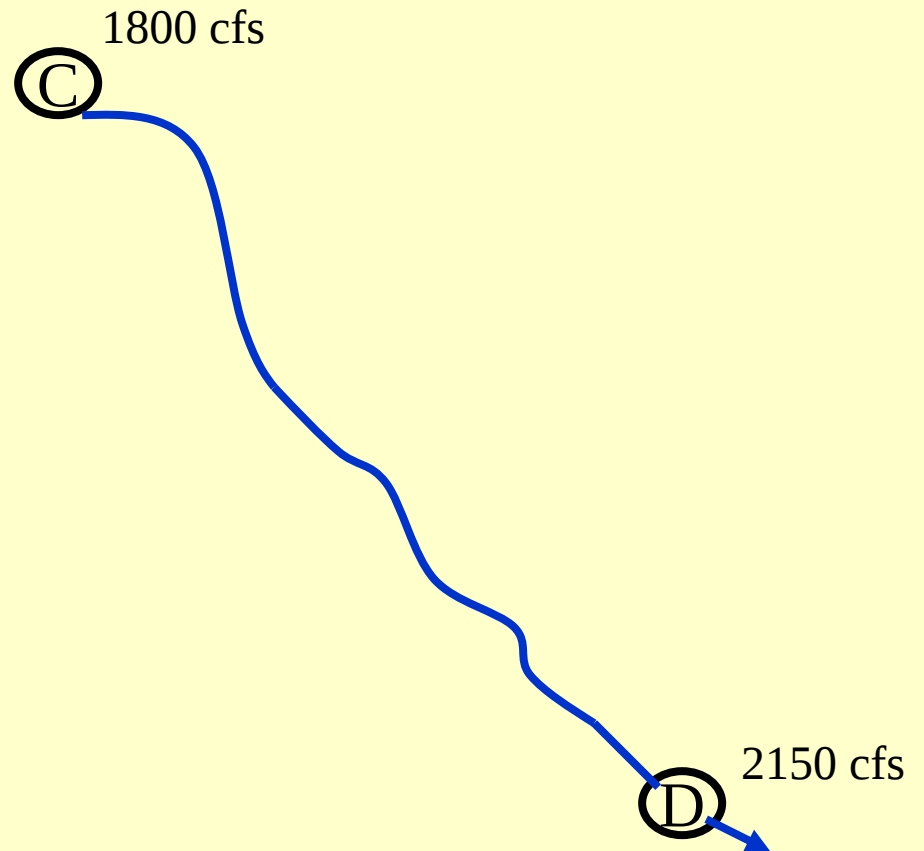
$$\begin{aligned}\text{Reach Gain} &= \text{Outflow} - \text{Inflow} + \text{Evaporation} + \text{Change in Storage} \\ &= 1100 \text{ cfs} - 1800 \text{ cfs} + 50 \text{ cfs} + 1000 \text{ cfs} \\ &= 350 \text{ cfs}\end{aligned}$$

REACH GAIN = 350 CFS

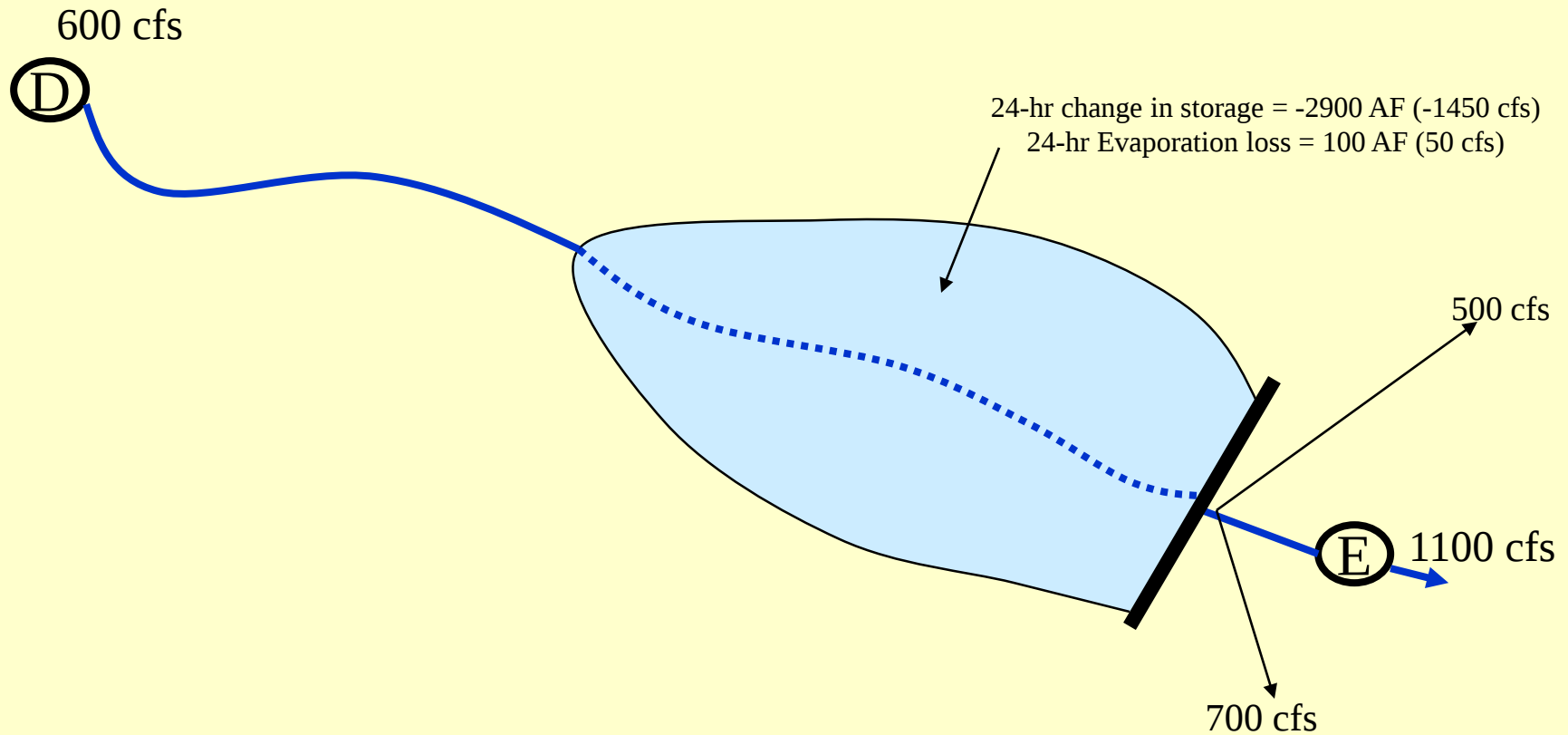
With Reservoir



Without Reservoir



River Reach with Reservoir and Diversions



$$\begin{aligned}\text{Reach Gain} &= \text{Outflow} - \text{Inflow} + \text{Diversions} + \text{Evaporation} + \text{Change in Storage} \\ &= 1100 \text{ cfs} - 600 \text{ cfs} + 1200 \text{ cfs} + 50 \text{ cfs} - 1450 \text{ cfs} \\ &= 300 \text{ cfs}\end{aligned}$$

TOTAL NATURAL FLOW

Sum of Reach Gains

TOTAL NATURAL FLOW

REACH

REACH GAIN

A – B

250 cfs

B – C

500 cfs

C – D

350 cfs

D – E

300 cfs

=====

1,400 cfs Natural Flow

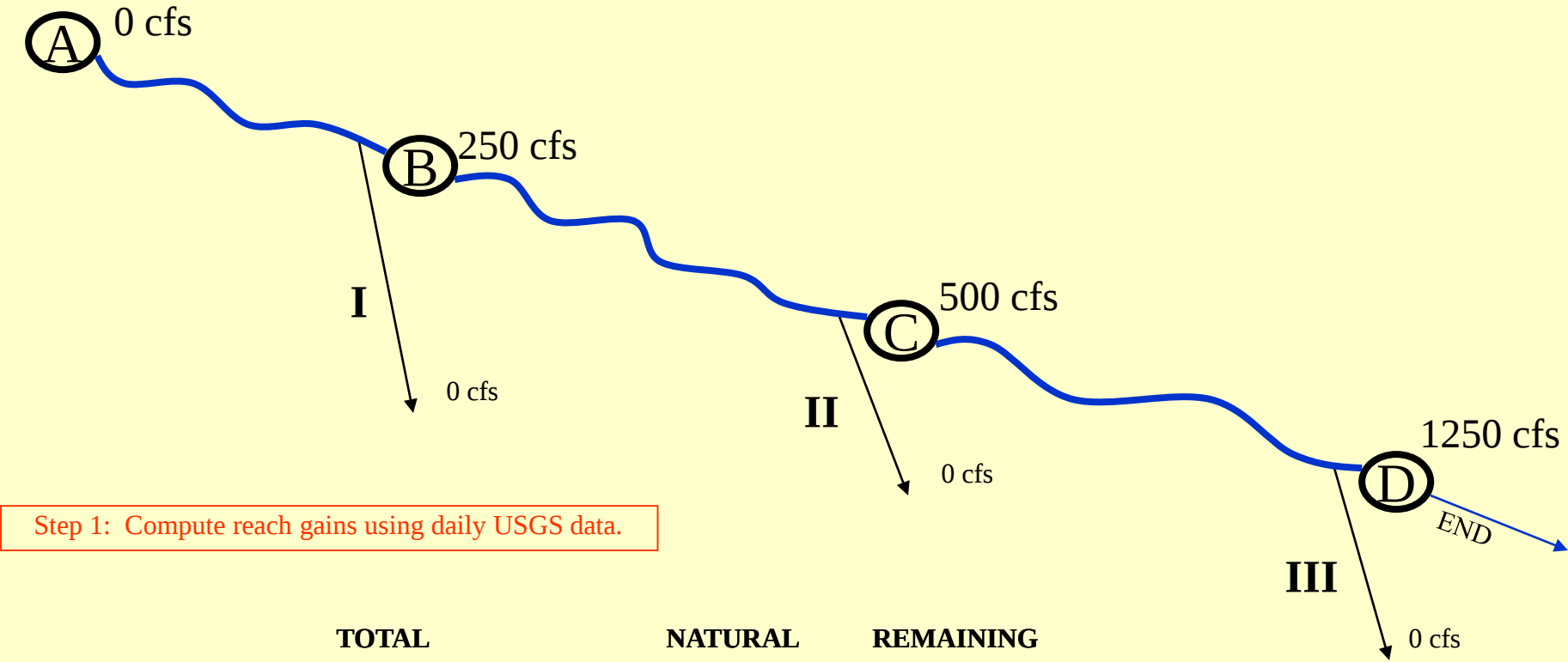
Natural Flow Delivery

The background of the slide is a solid blue color. In the lower right quadrant, there is a large, abstract geometric shape. This shape is a sector of a circle, defined by two radii and an arc. The radii are drawn in a slightly lighter shade of blue than the background, creating a subtle gradient effect. The arc is also a lighter shade of blue. The overall effect is a clean, modern, and minimalist design.

Natural Flow Delivery

1. Compute daily reach gains using daily USGS river data, reservoir, and diversion data for each reach.
2. Inventory water rights (priorities, flow rates, and volume limitations) for diversions currently diverting water.
3. Distribute natural flow according to water right requirements and natural flow available to each diversion in each reach.

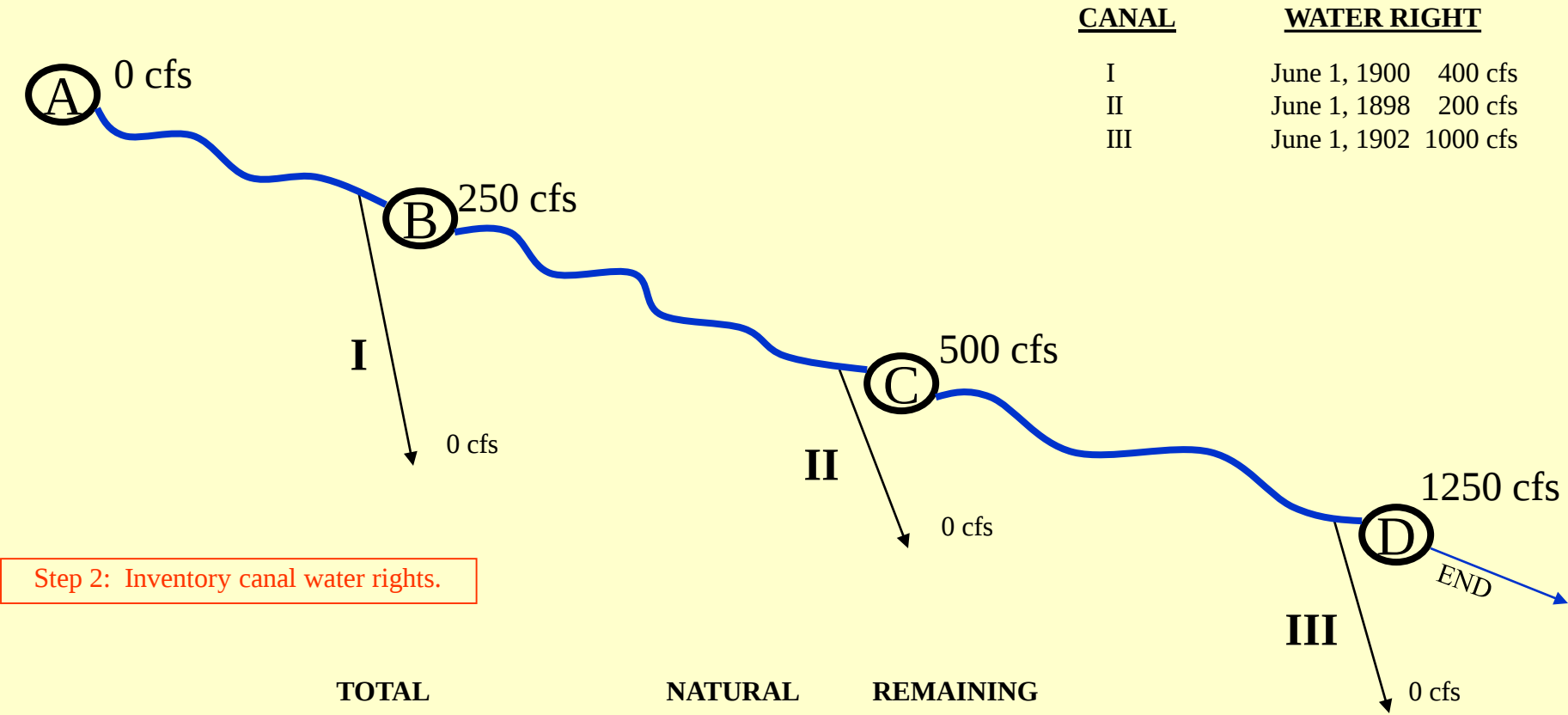
Example 1: Distribution of Natural Flow



Step 1: Compute reach gains using daily USGS data.

REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	NATURAL FLOW DIVERSION	REMAINING NATURAL FLOW	LAST RIGHT FILLED
A-B	250	250	250	0	250	
B-C	250	500	500	0	500	
C-D	750	1250	1250	0	1250	

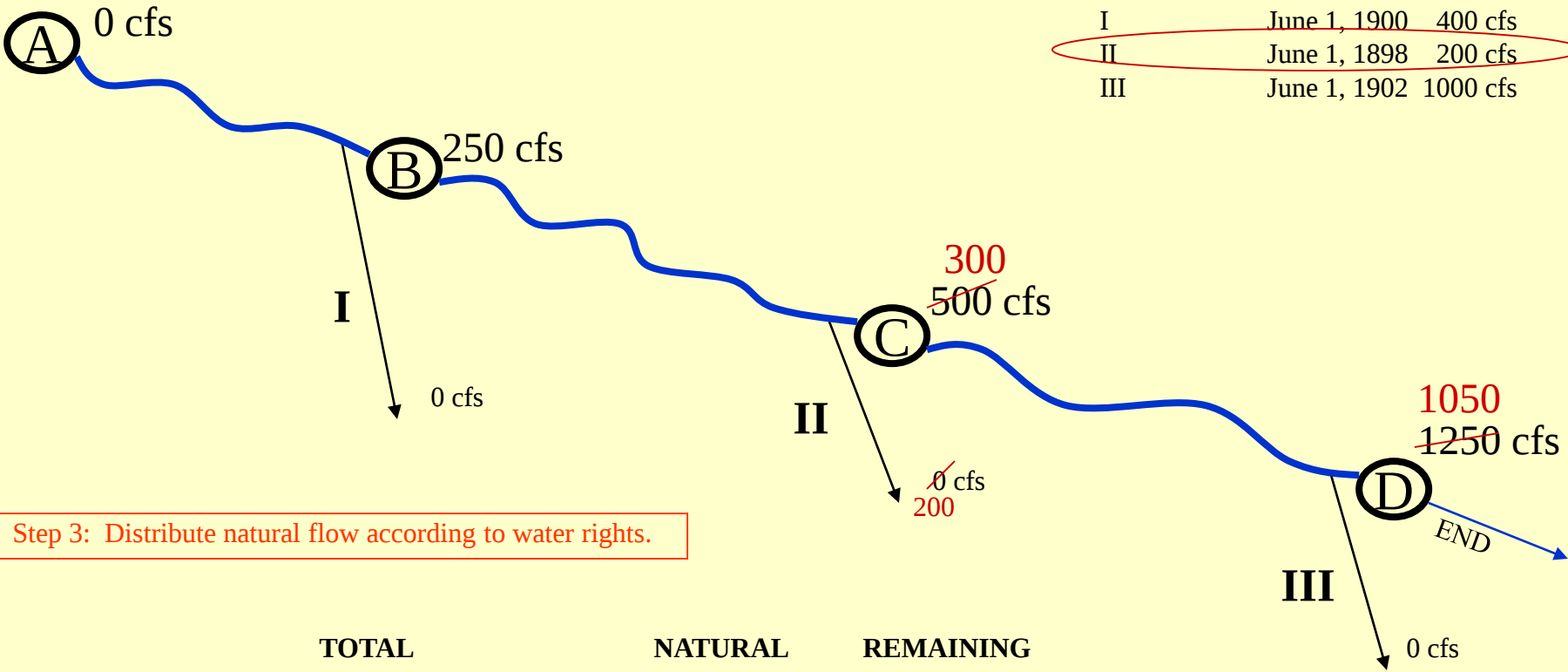
Example 1: Inventory water rights.



Step 2: Inventory canal water rights.

REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	NATURAL FLOW DIVERSION	REMAINING NATURAL FLOW	LAST RIGHT FILLED
A-B	250	250	250	0	250	
B-C	250	500	500	0	500	
C-D	750	1250	1250	0	1250	

Example 1: Distribute natural flow.

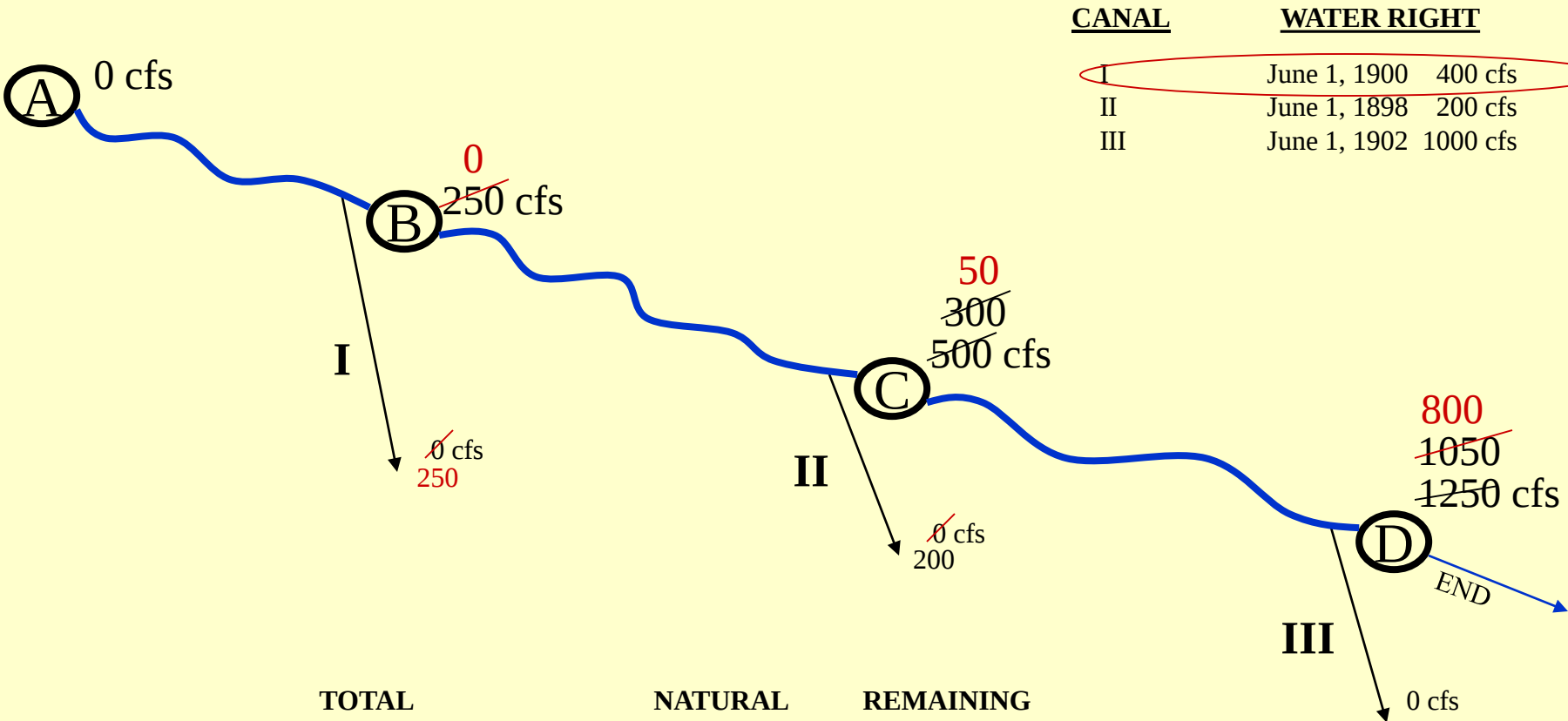


<u>CANAL</u>	<u>WATER RIGHT</u>	
I	June 1, 1900	400 cfs
II	June 1, 1898	200 cfs
III	June 1, 1902	1000 cfs

Step 3: Distribute natural flow according to water rights.

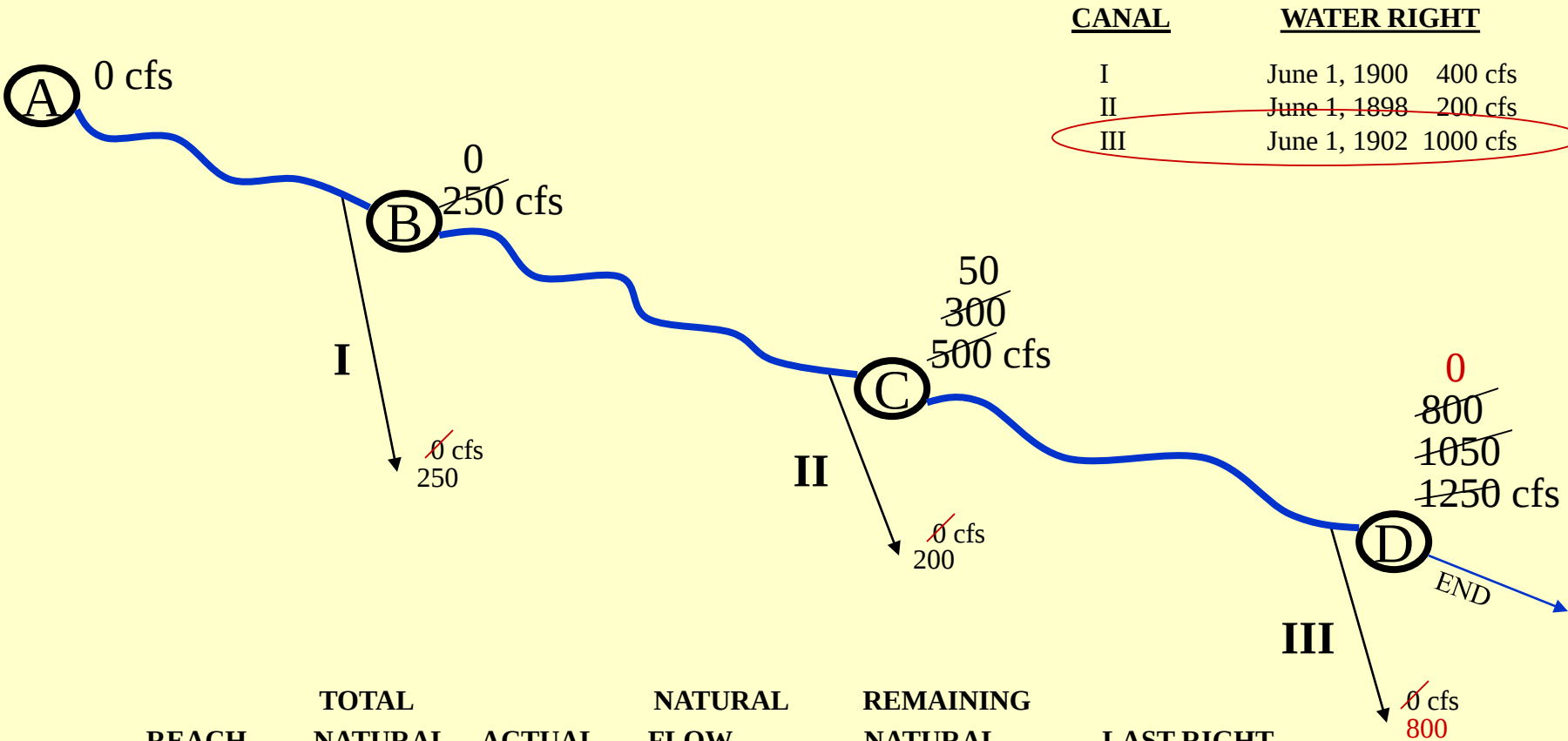
REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	NATURAL FLOW DIVERSION	REMAINING NATURAL FLOW	LAST RIGHT FILLED
A-B	250	250	250	0	250	
B-C	250	500	500 300	0 200	500 300	
C-D	750	1250	1250 1050	0	1250 1050	

Example 1: Compute remaining natural flow.



REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	NATURAL FLOW DIVERSION	REMAINING NATURAL FLOW	LAST RIGHT FILLED
A-B	250	250	250 0	0 250	250 0	
B-C	250	500	500 300	0 200	500 300	
C-D	750	1250	1250 800	0	1250 800	

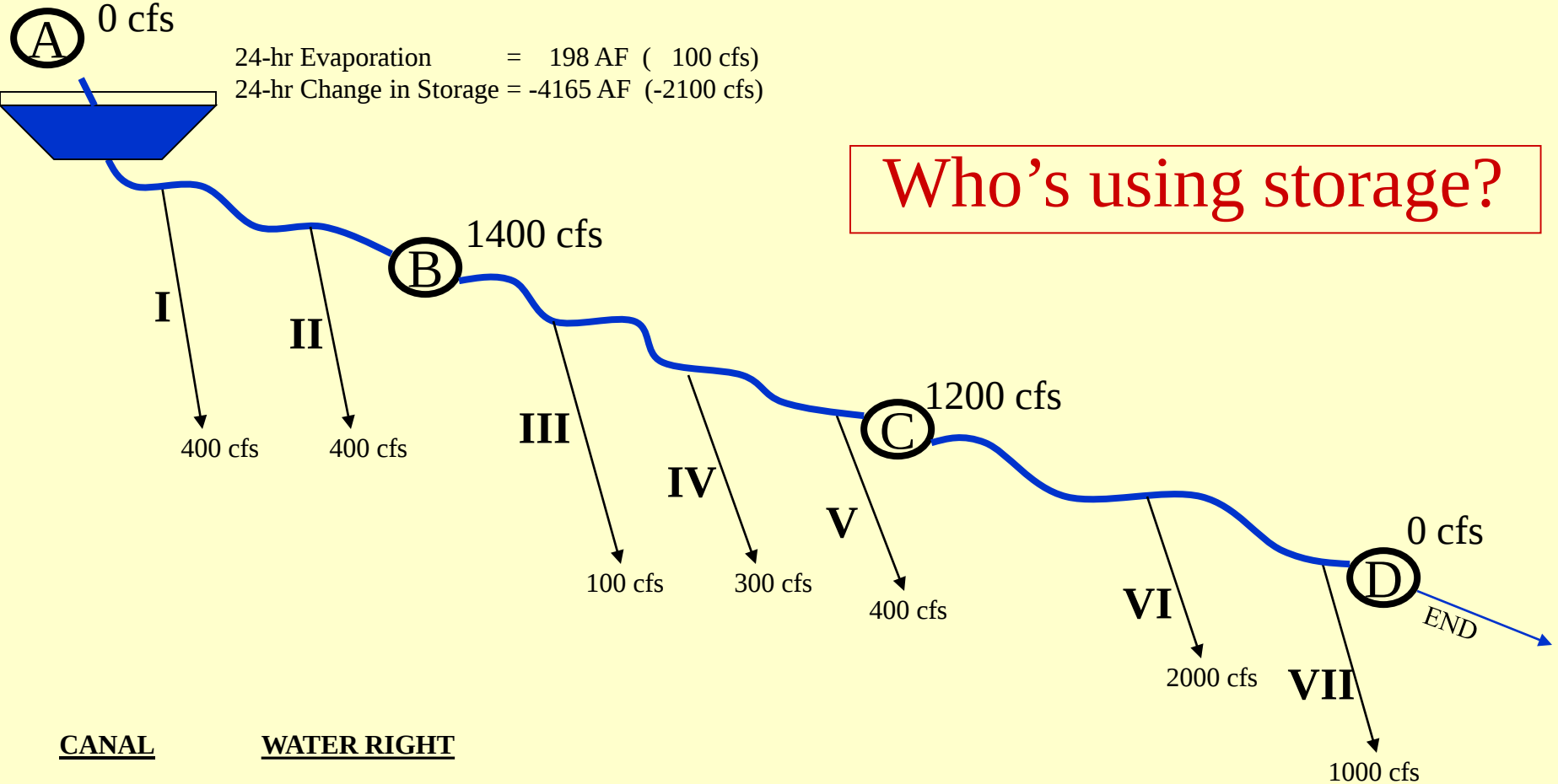
Example 1: Determine reach priority dates.



<u>CANAL</u>	<u>WATER RIGHT</u>	
I	June 1, 1900	400 cfs
II	June 1, 1898	200 cfs
III	June 1, 1902	1000 cfs

REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	NATURAL FLOW DIVERSION	REMAINING NATURAL FLOW	LAST RIGHT FILLED
A-B	250	250	250	0 250	250 0	June 1, 1900
B-C	250	500	500	0 200	500 300	June 1, 1902
C-D	750	1250	1250	0 800	1250 1050	June 1, 1902

Example 2: Distribution of Natural Flow & Storage



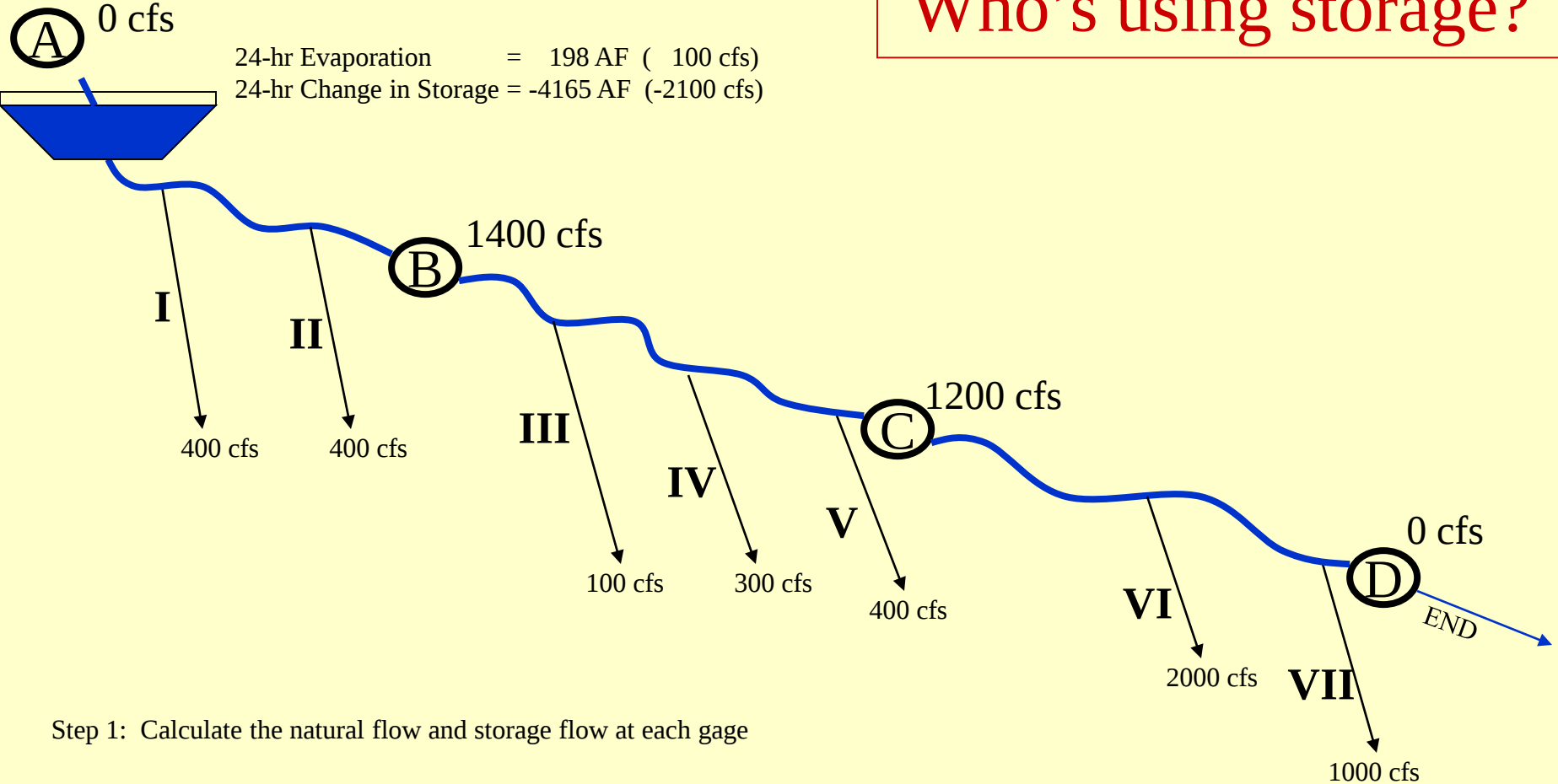
CANAL

WATER RIGHT

I	June 1, 1901	200 cfs
II	June 1, 1900	400 cfs
III	Aug 1, 1901	100 cfs
IV	June 1, 1899	300 cfs
V	June 1, 1898	200 cfs
VI	June 1, 1902	2000 cfs
VII	June 1, 1902	1000 cfs

Example 2: Distribution of Natural Flow & Storage

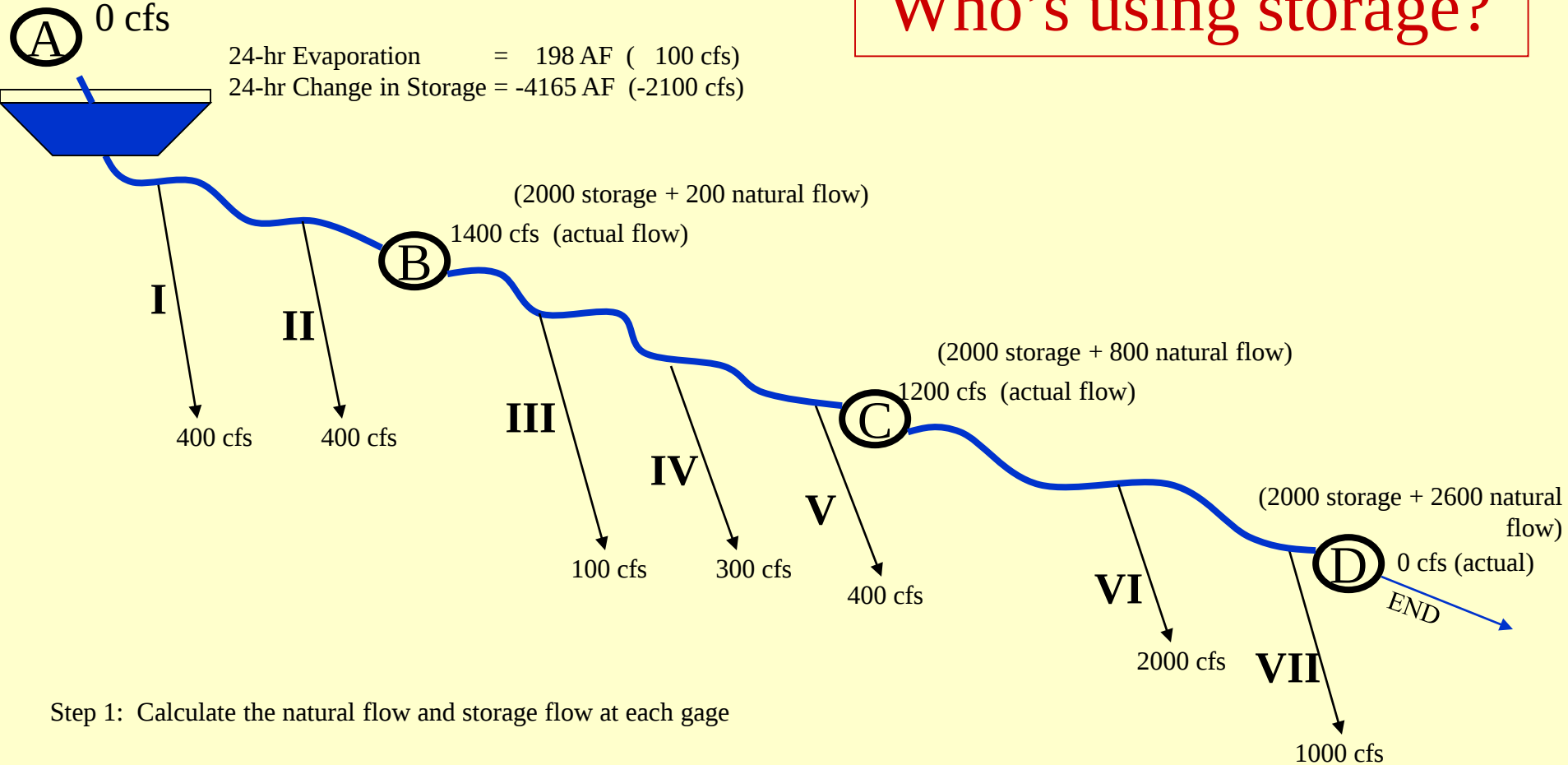
Who's using storage?



Step 1: Calculate the natural flow and storage flow at each gage

Example 2: Distribution of Natural Flow & Storage

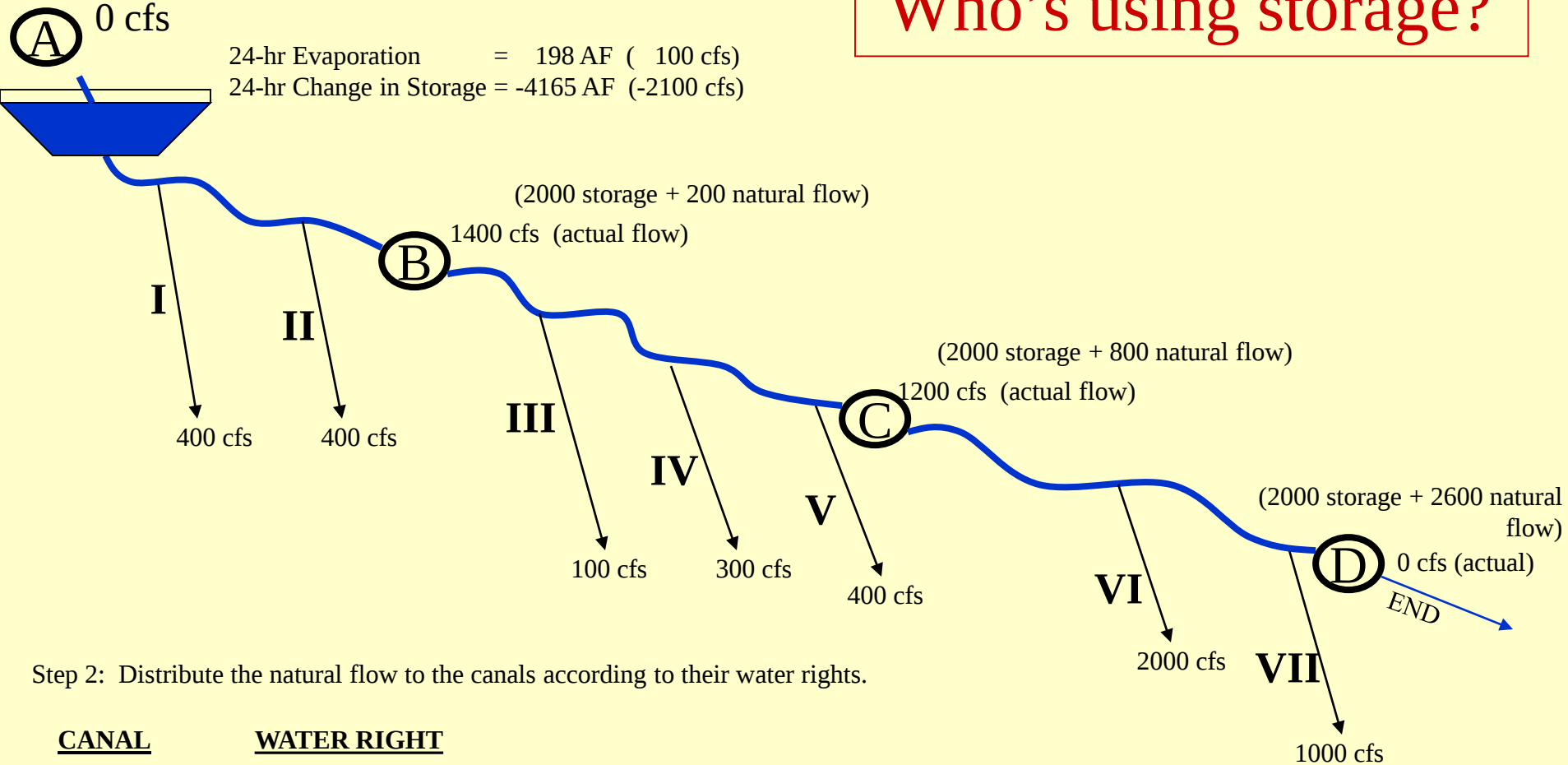
Who's using storage?



Step 1: Calculate the natural flow and storage flow at each gage

Example 2: Distribution of Natural Flow & Storage

Who's using storage?

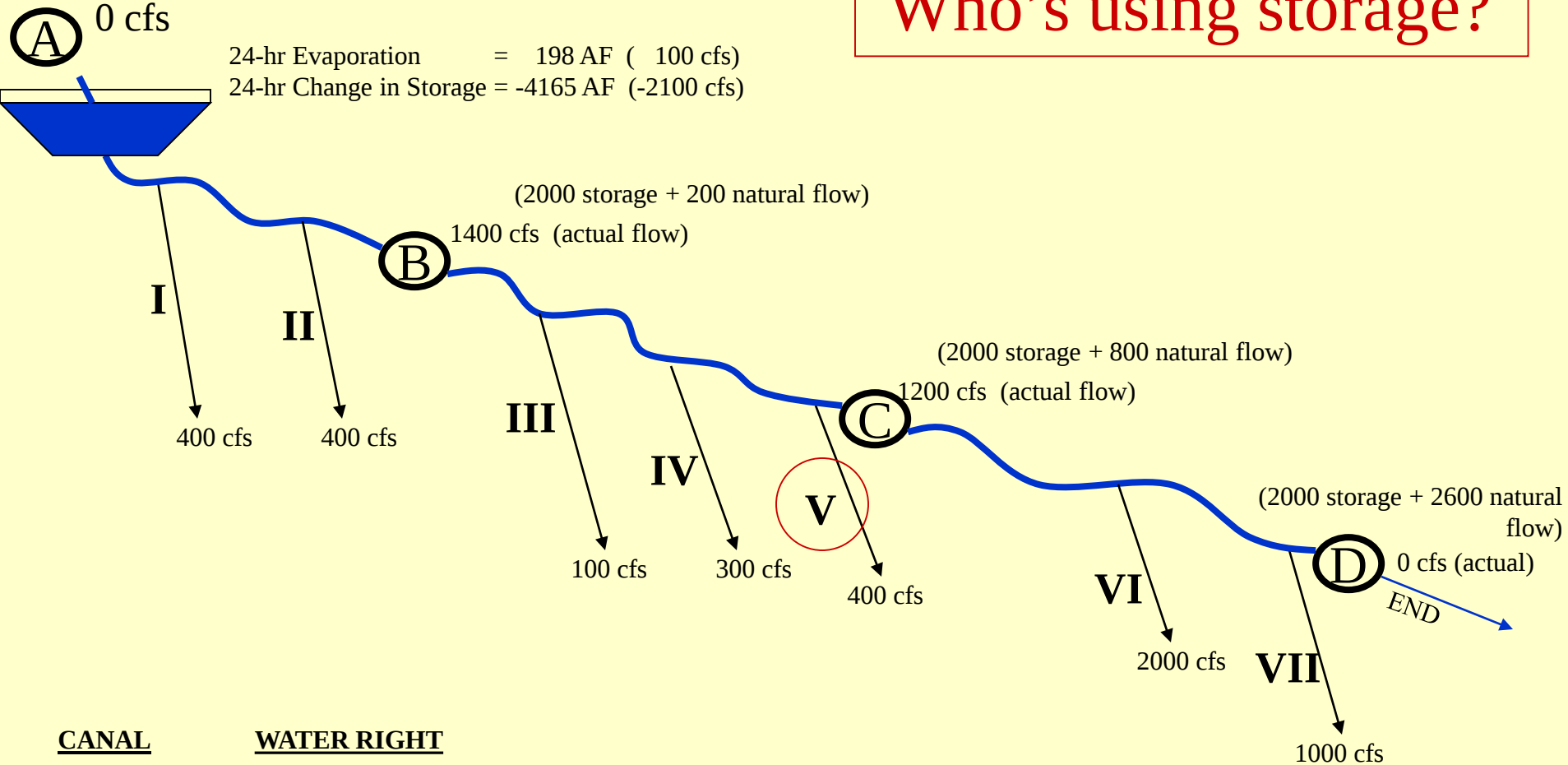


Step 2: Distribute the natural flow to the canals according to their water rights.

<u>CANAL</u>	<u>WATER RIGHT</u>
I	June 1, 1901 200 cfs
II	June 1, 1900 400 cfs
III	Aug 1, 1901 100 cfs
IV	June 1, 1899 300 cfs
V	June 1, 1898 200 cfs
VI	June 1, 1902 2000 cfs
VII	June 1, 1902 1000 cfs

Example 2: Distribution of Natural Flow & Storage

Who's using storage?

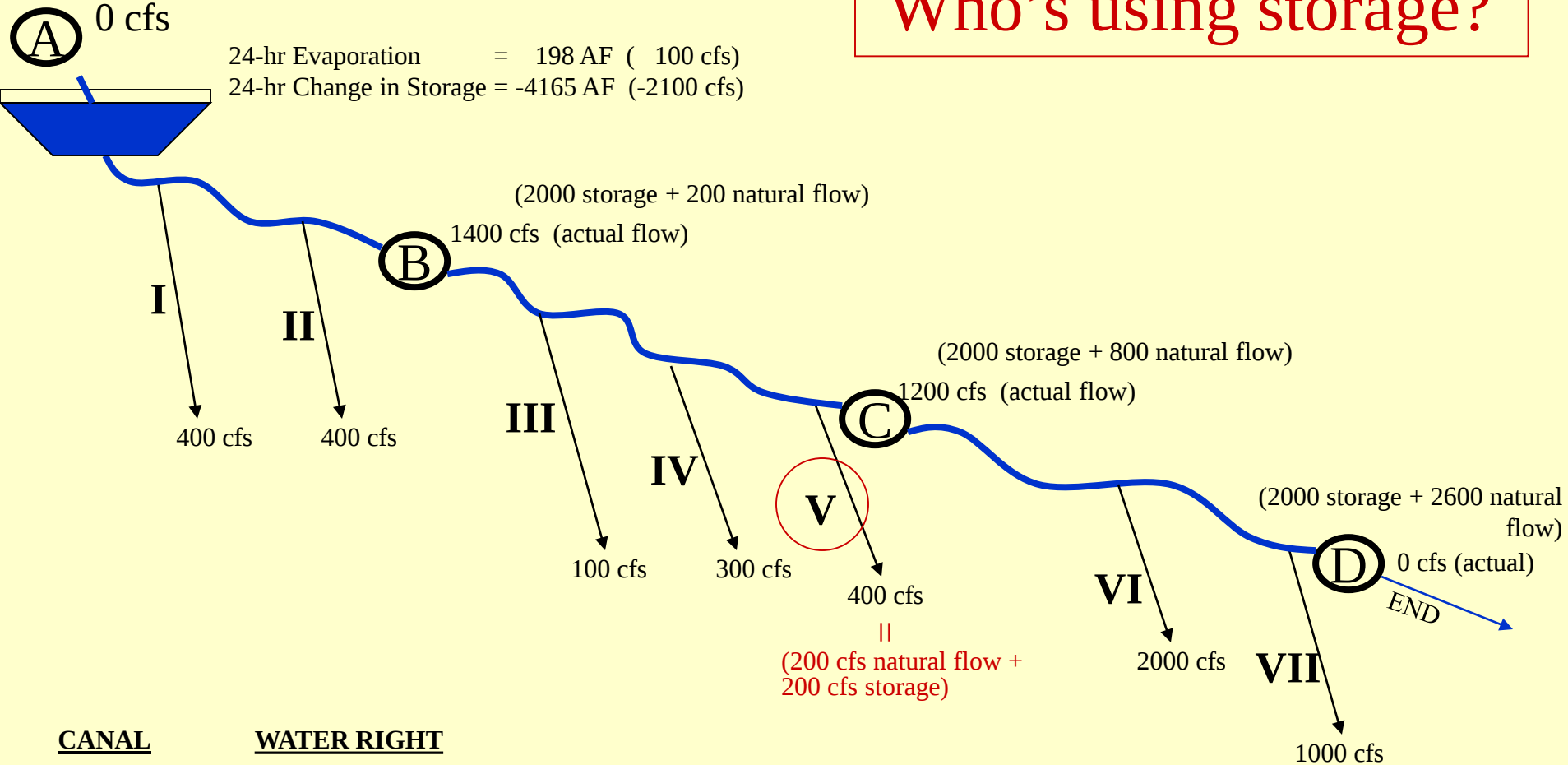


<u>CANAL</u>	<u>WATER RIGHT</u>
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I	June 1, 1901	200 cfs
II	June 1, 1900	400 cfs
III	Aug 1, 1901	100 cfs
IV	June 1, 1899	300 cfs
V	June 1, 1898	200 cfs
VI	June 1, 1902	2000 cfs
VII	June 1, 1902	1000 cfs

Example 2: Distribution of Natural Flow & Storage

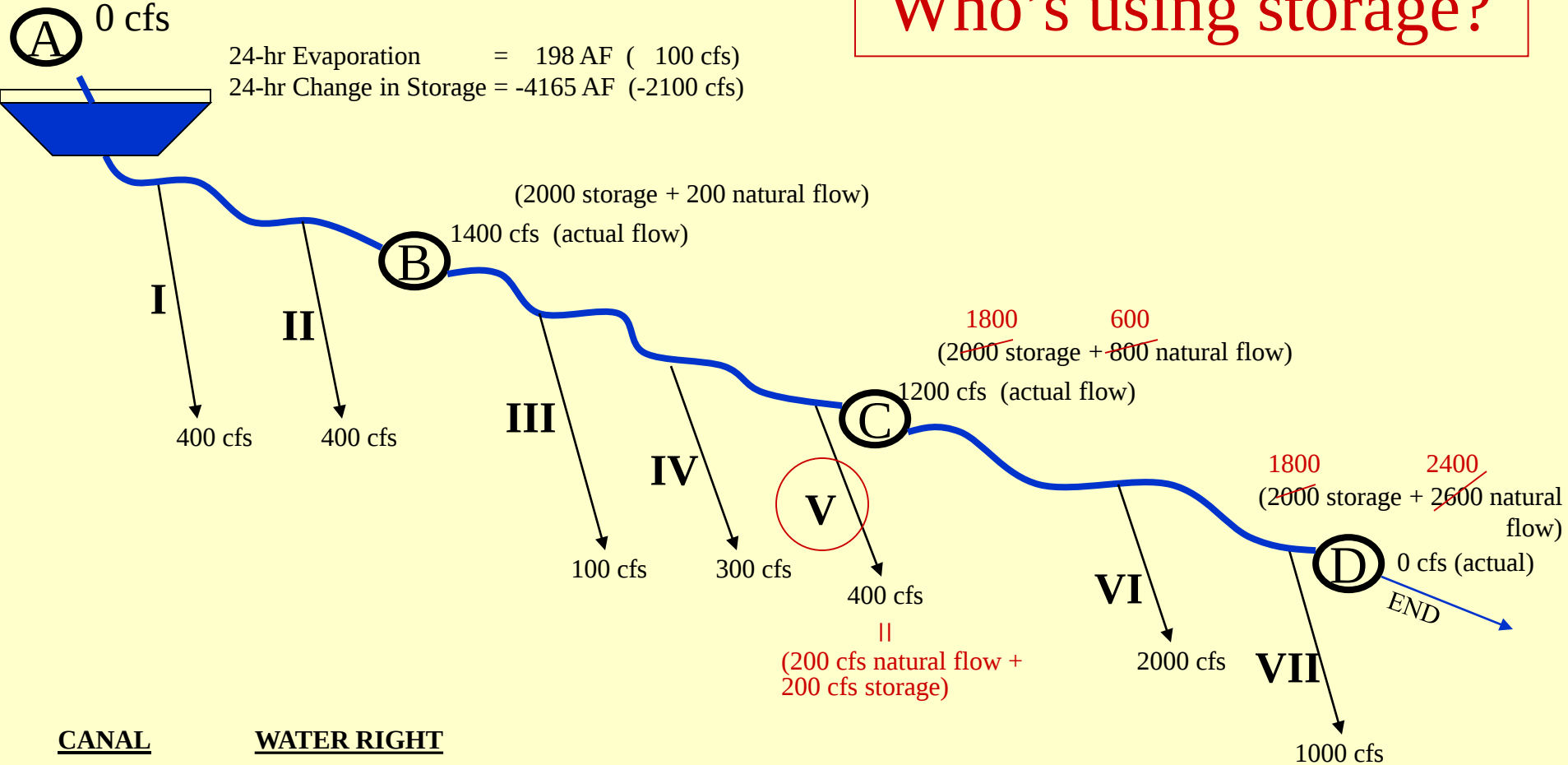
Who's using storage?



<u>CANAL</u>	<u>WATER RIGHT</u>
I	June 1, 1901 200 cfs
II	June 1, 1900 400 cfs
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V	June 1, 1898 200 cfs
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VII	June 1, 1902 1000 cfs

Example 2: Distribution of Natural Flow & Storage

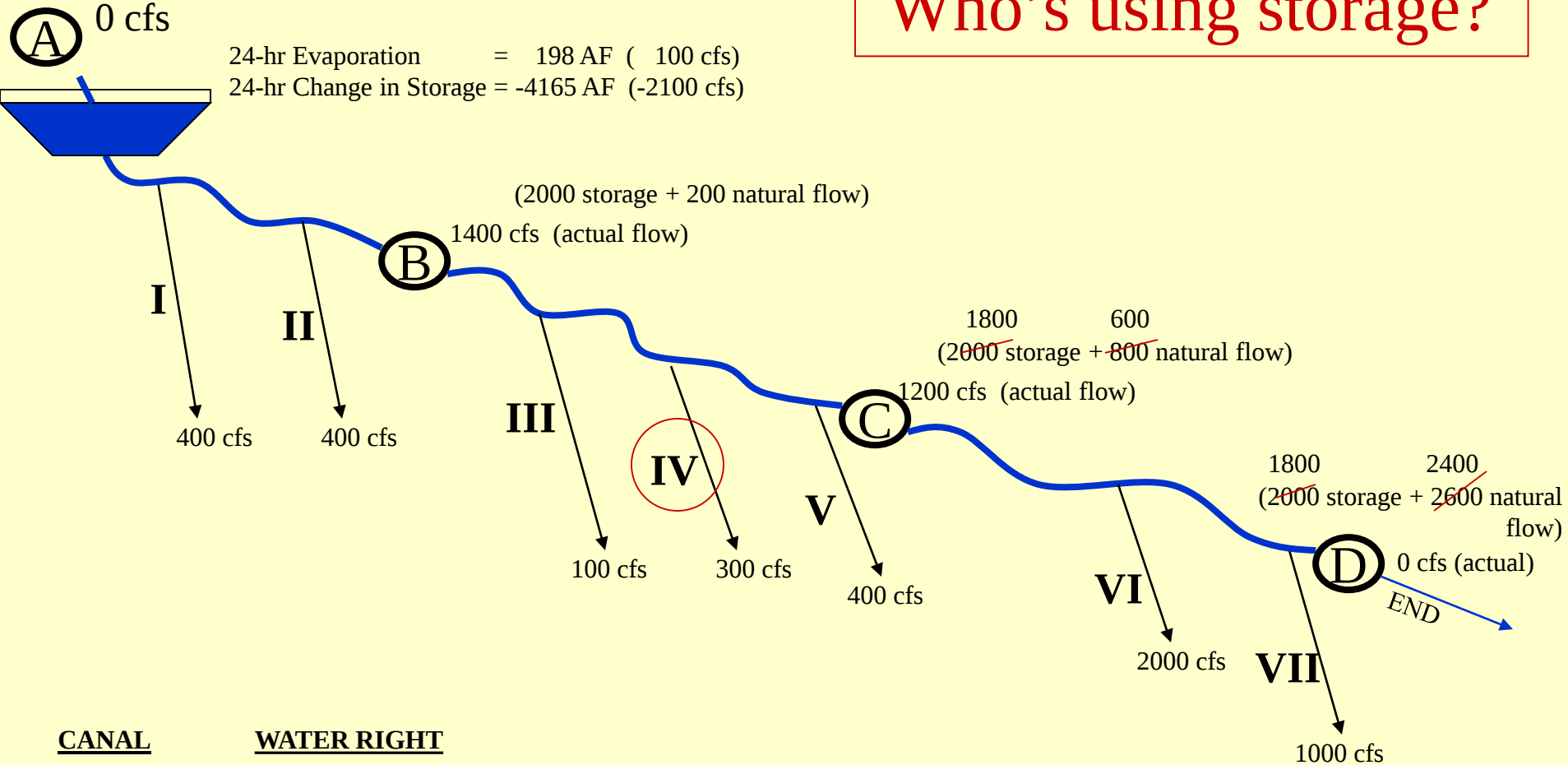
Who's using storage?



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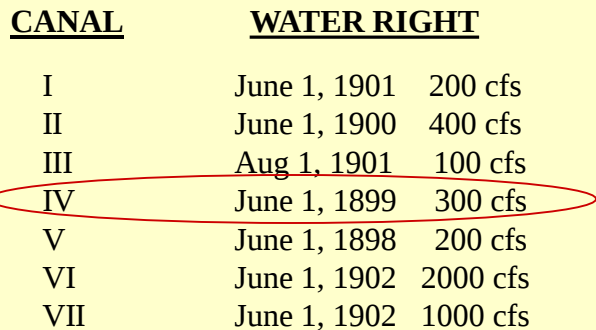


CANAL

WATER RIGHT

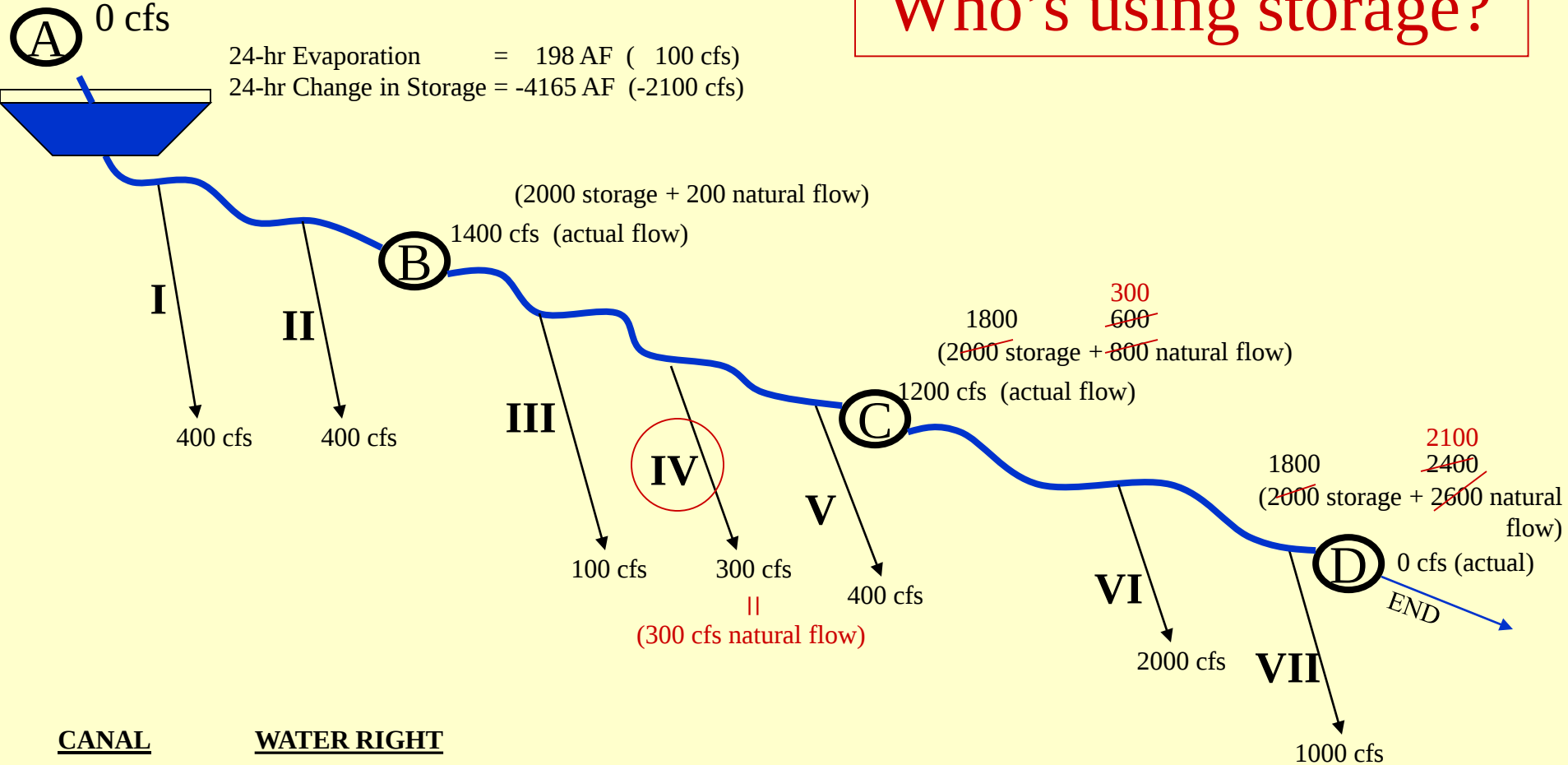
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VII	June 1, 1902	1000 cfs

Who's using storage?



Example 2: Distribution of Natural Flow & Storage

Who's using storage?

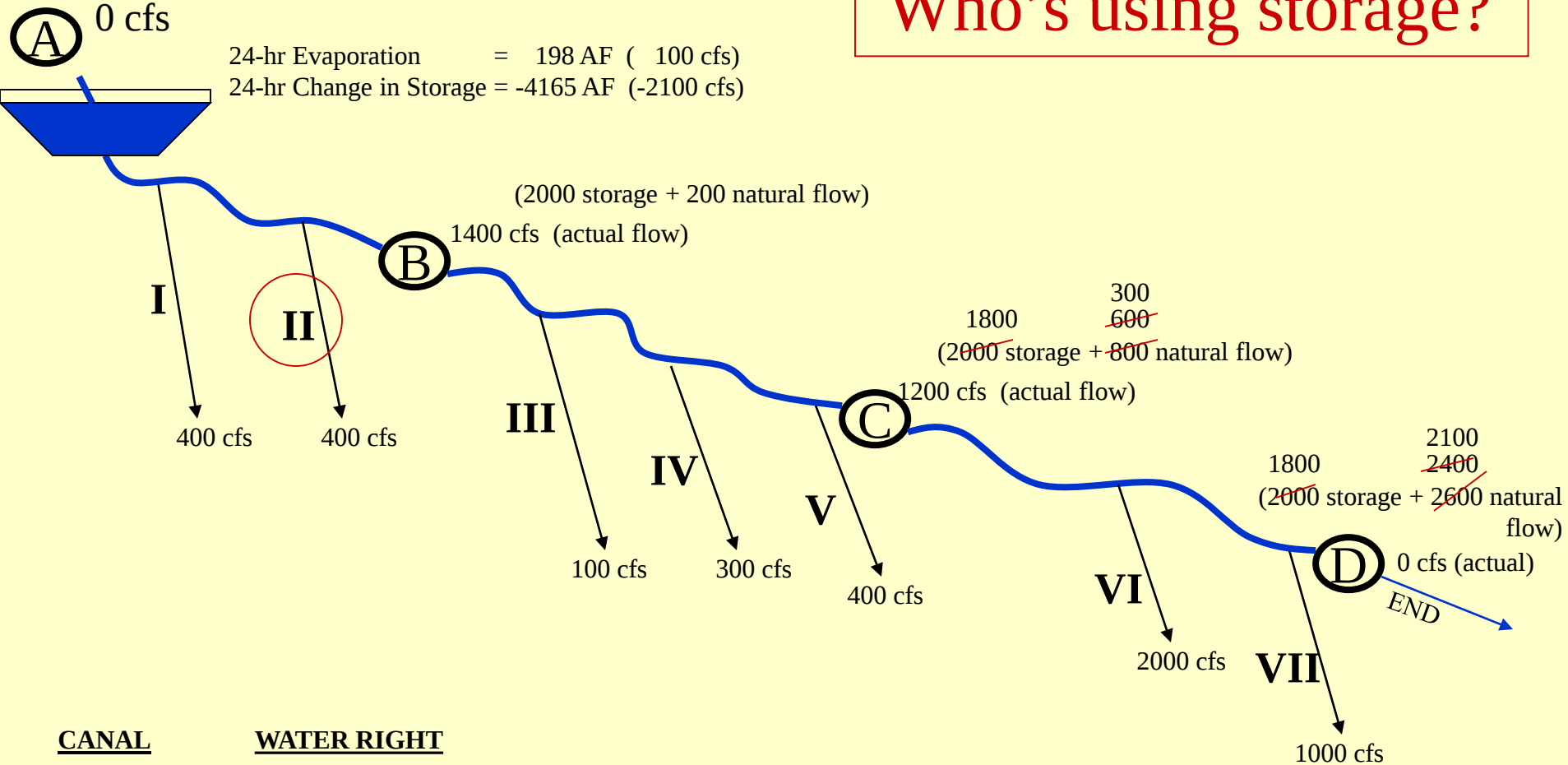


CANAL WATER RIGHT

I	June 1, 1901	200 cfs
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VII	June 1, 1902	1000 cfs

Example 2: Distribution of Natural Flow & Storage

Who's using storage?



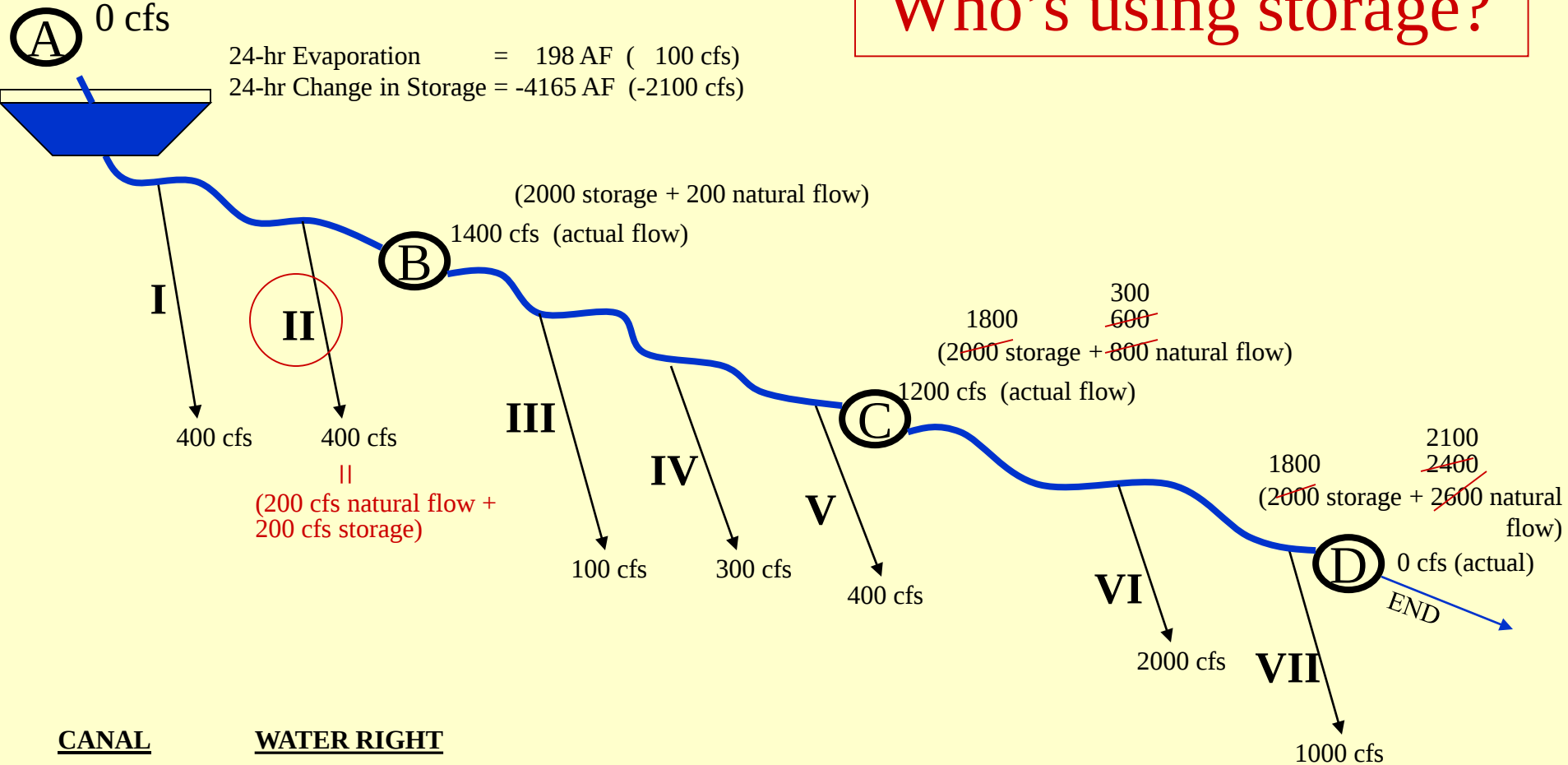
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



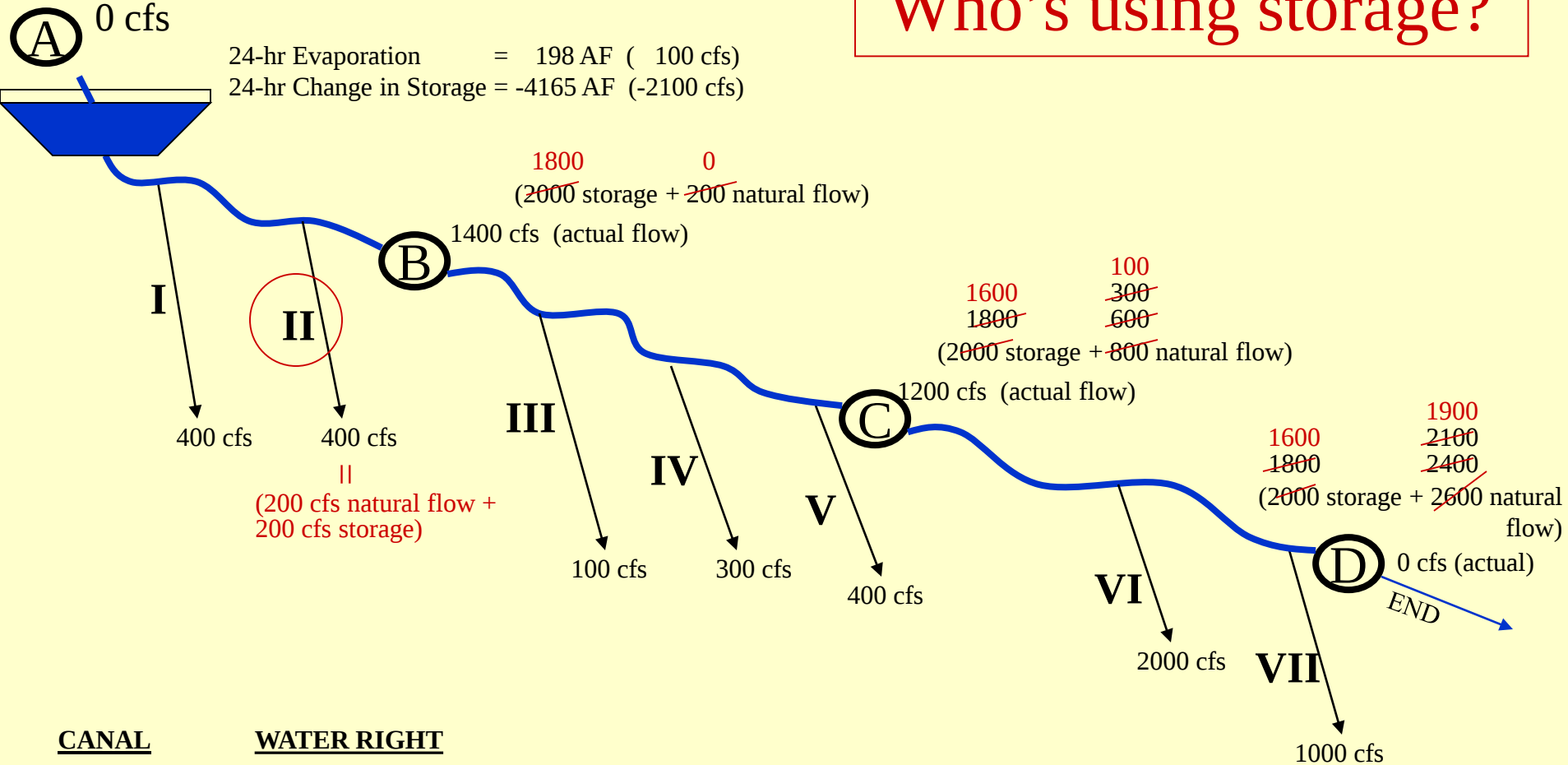
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Example 2: Distribution of Natural Flow & Storage

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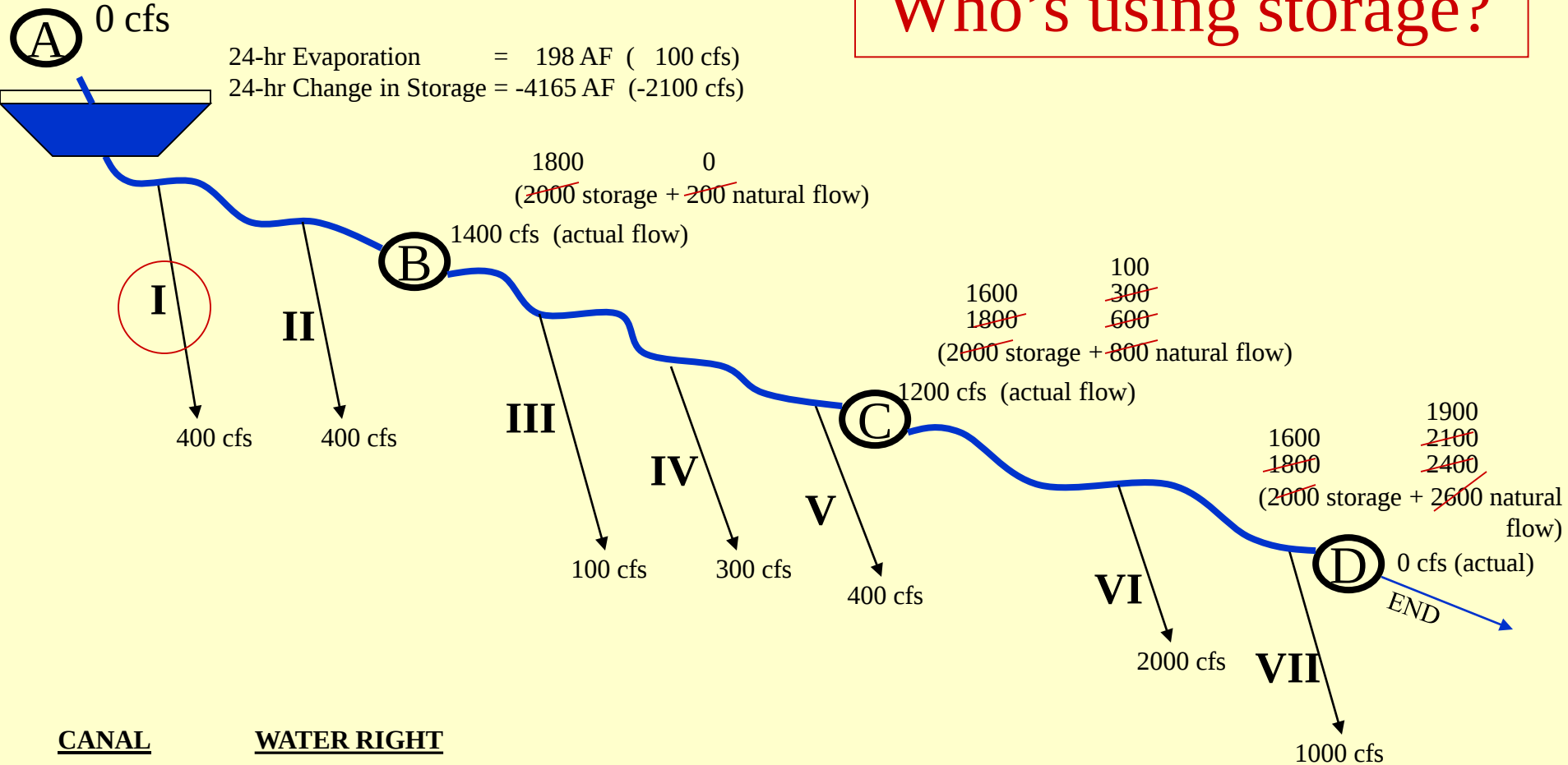
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Example 2: Distribution of Natural Flow & Storage

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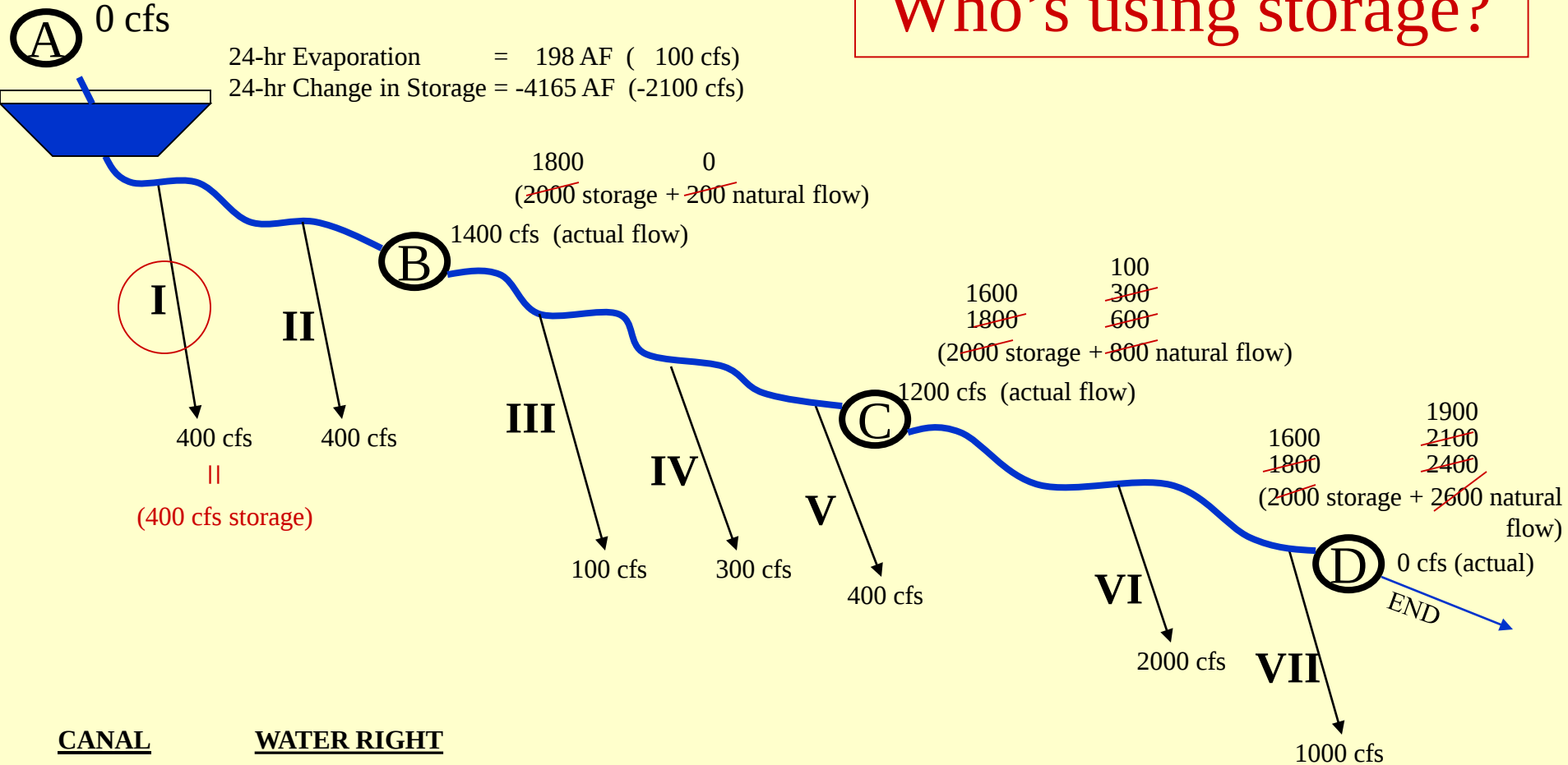
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



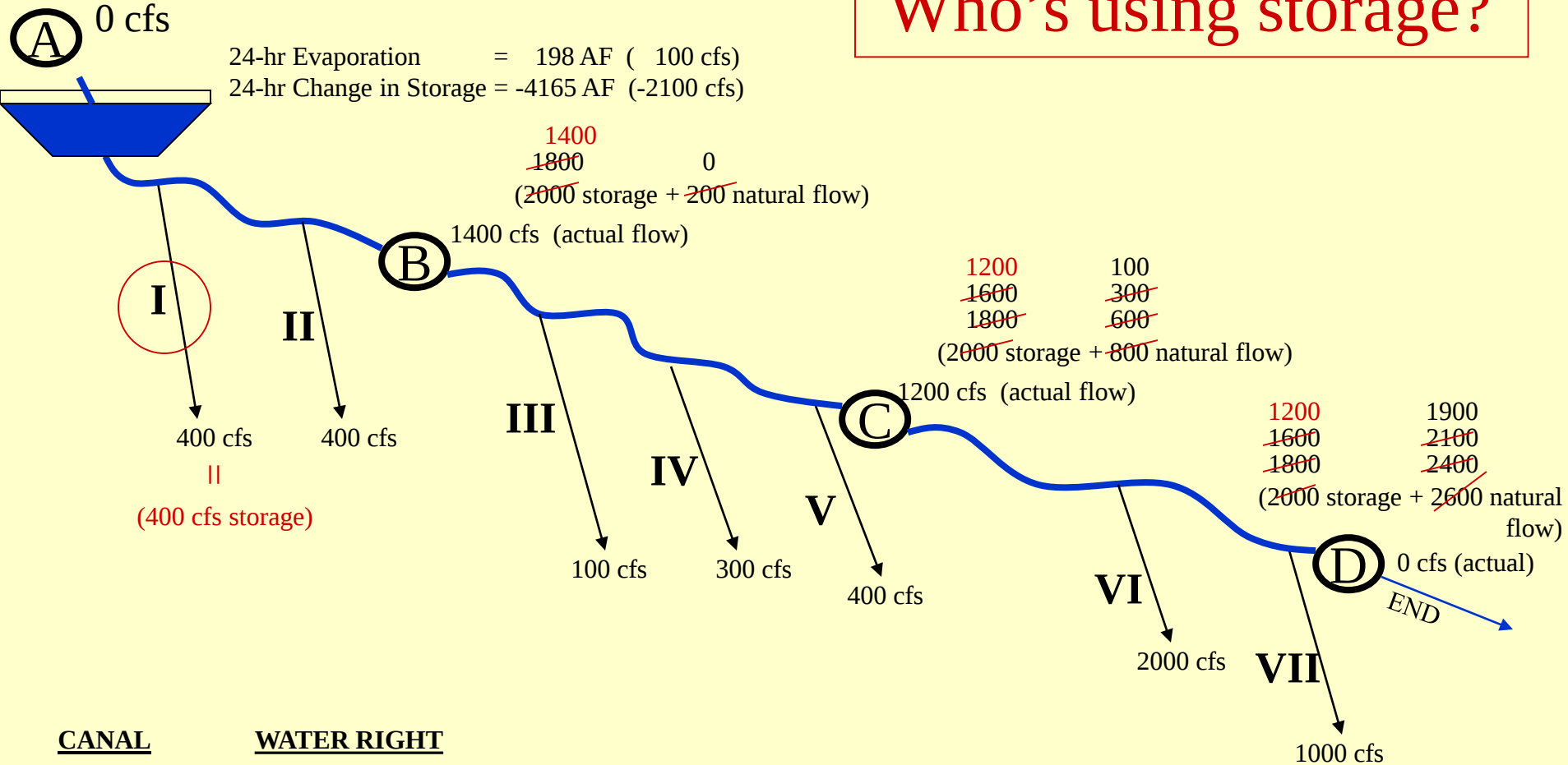
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



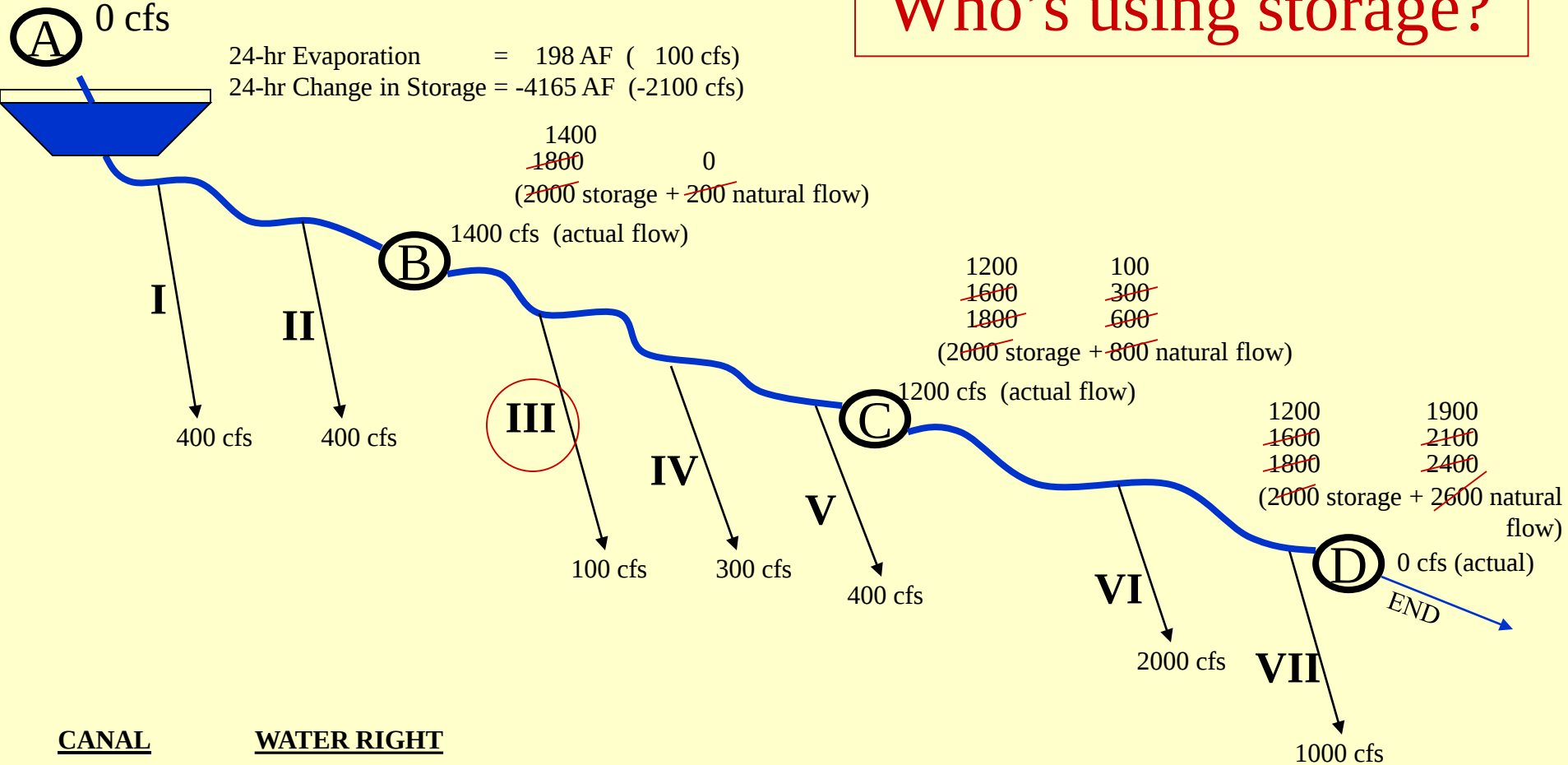
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



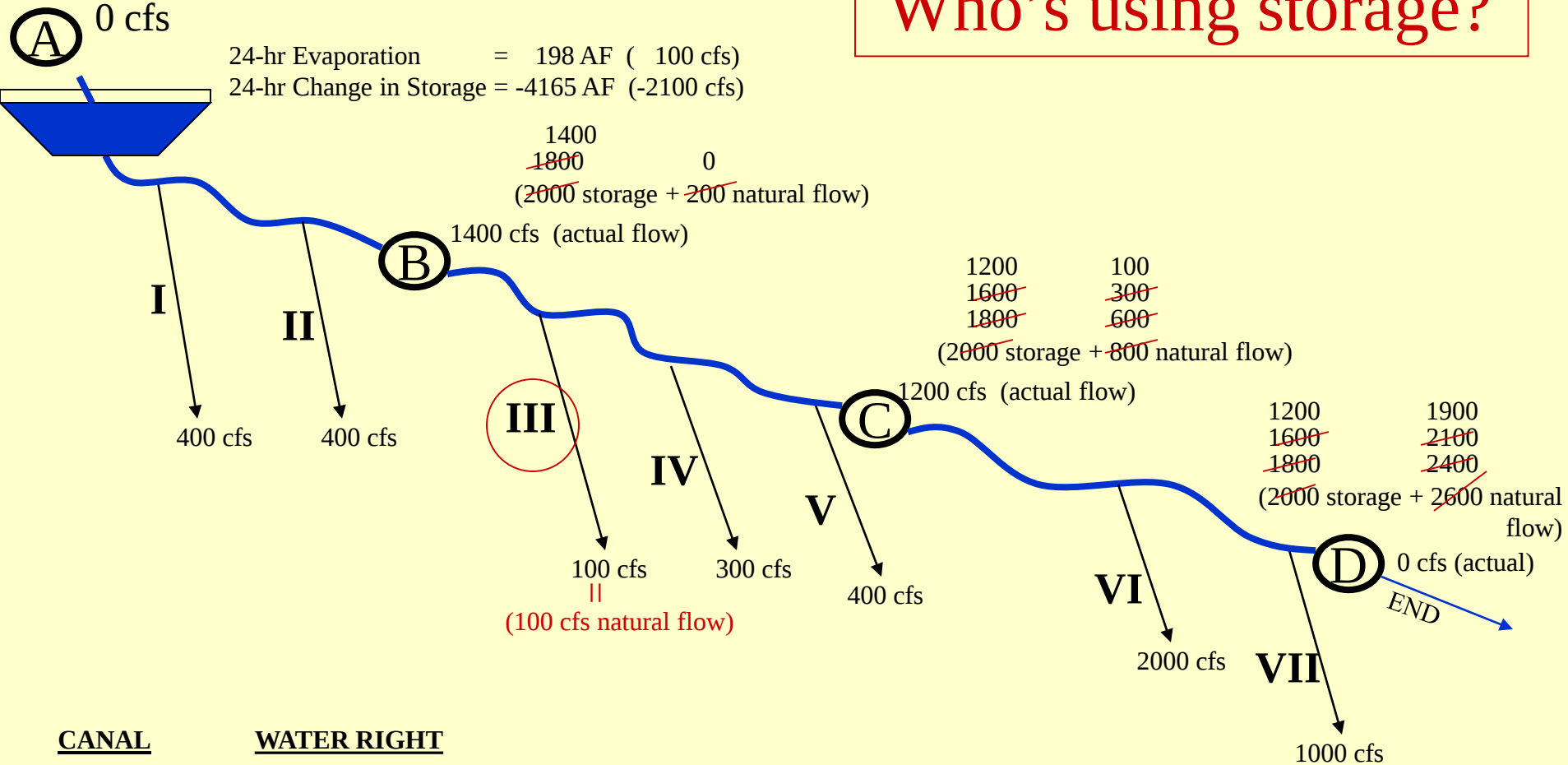
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



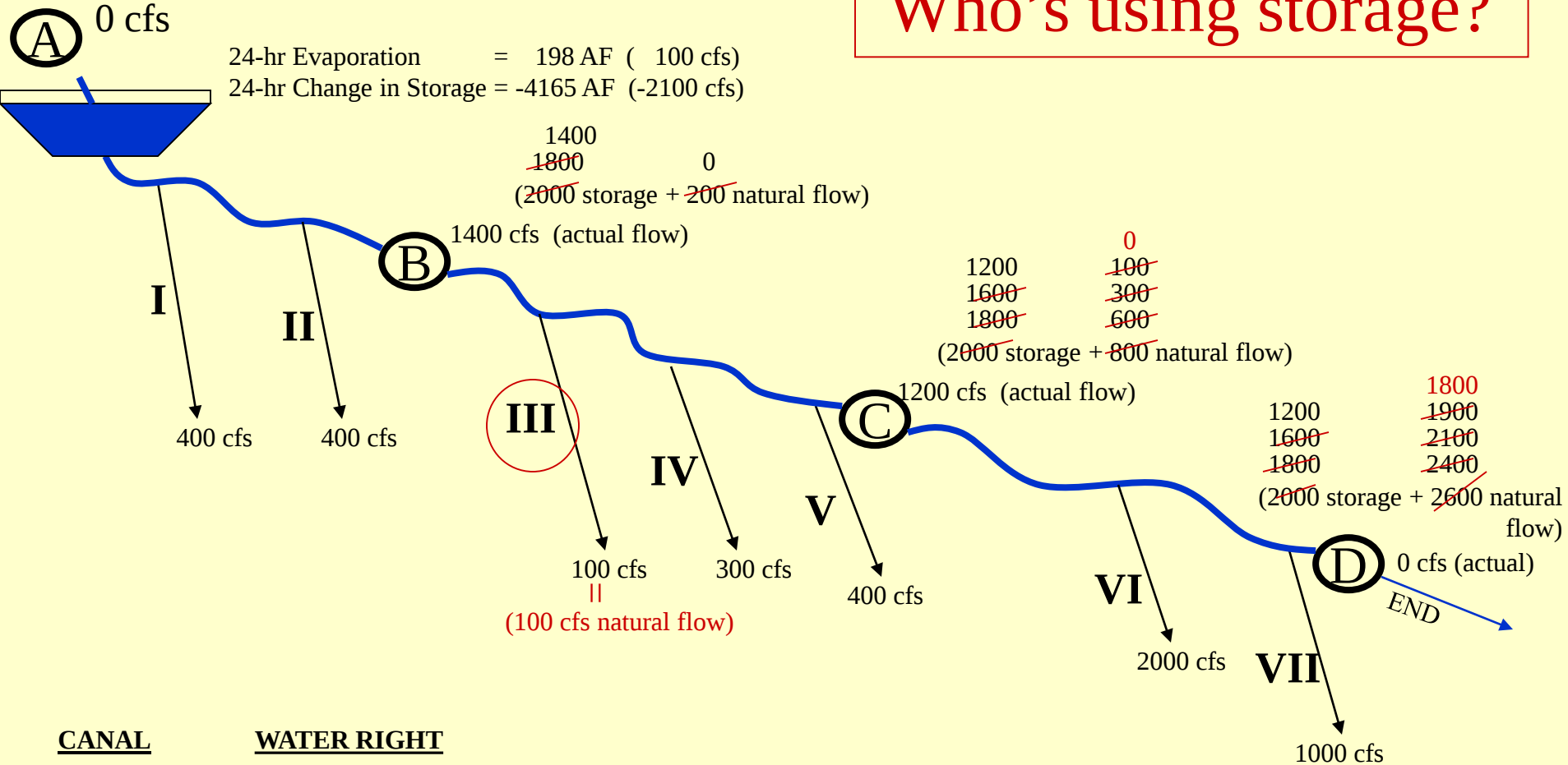
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



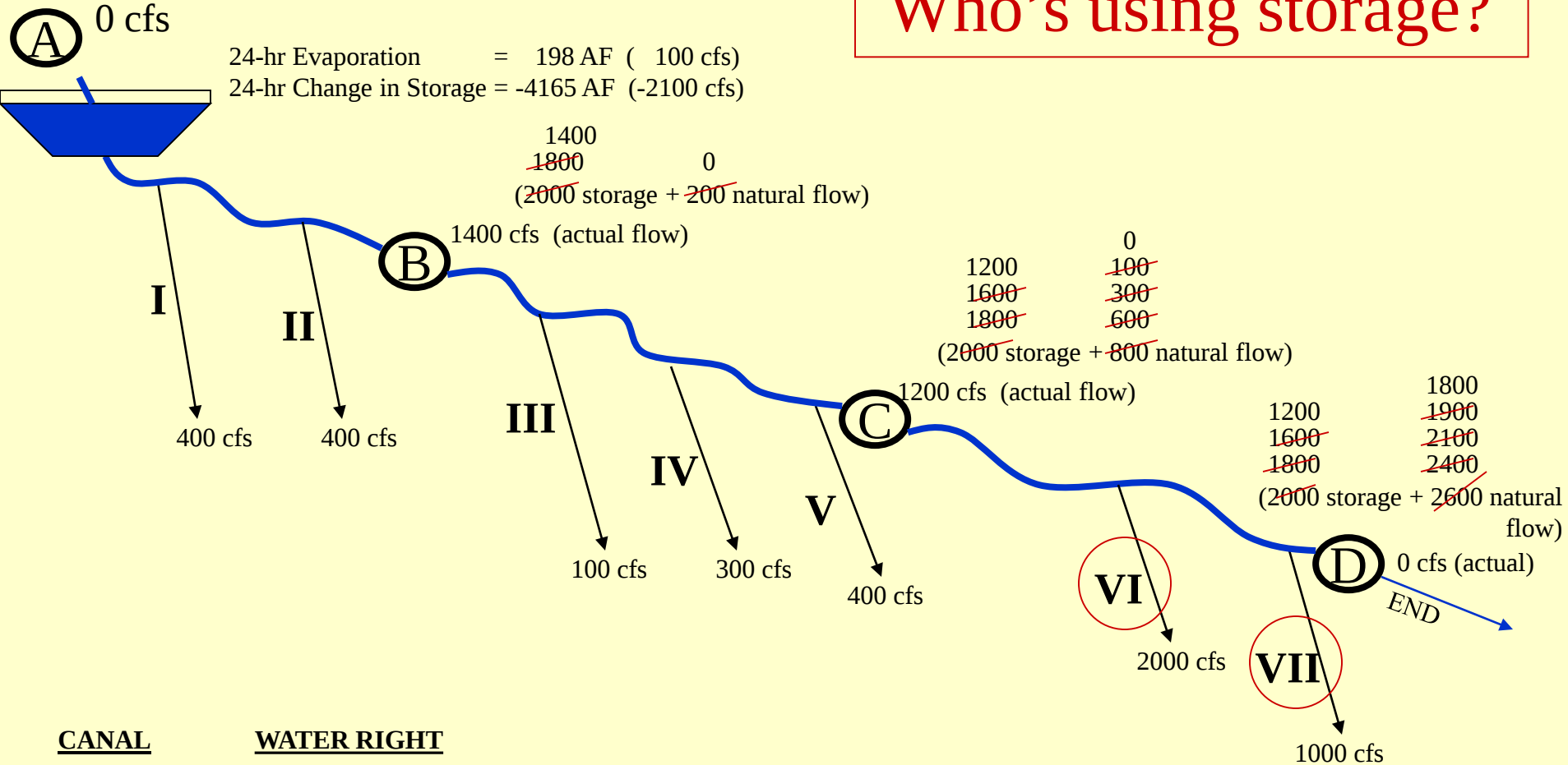
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



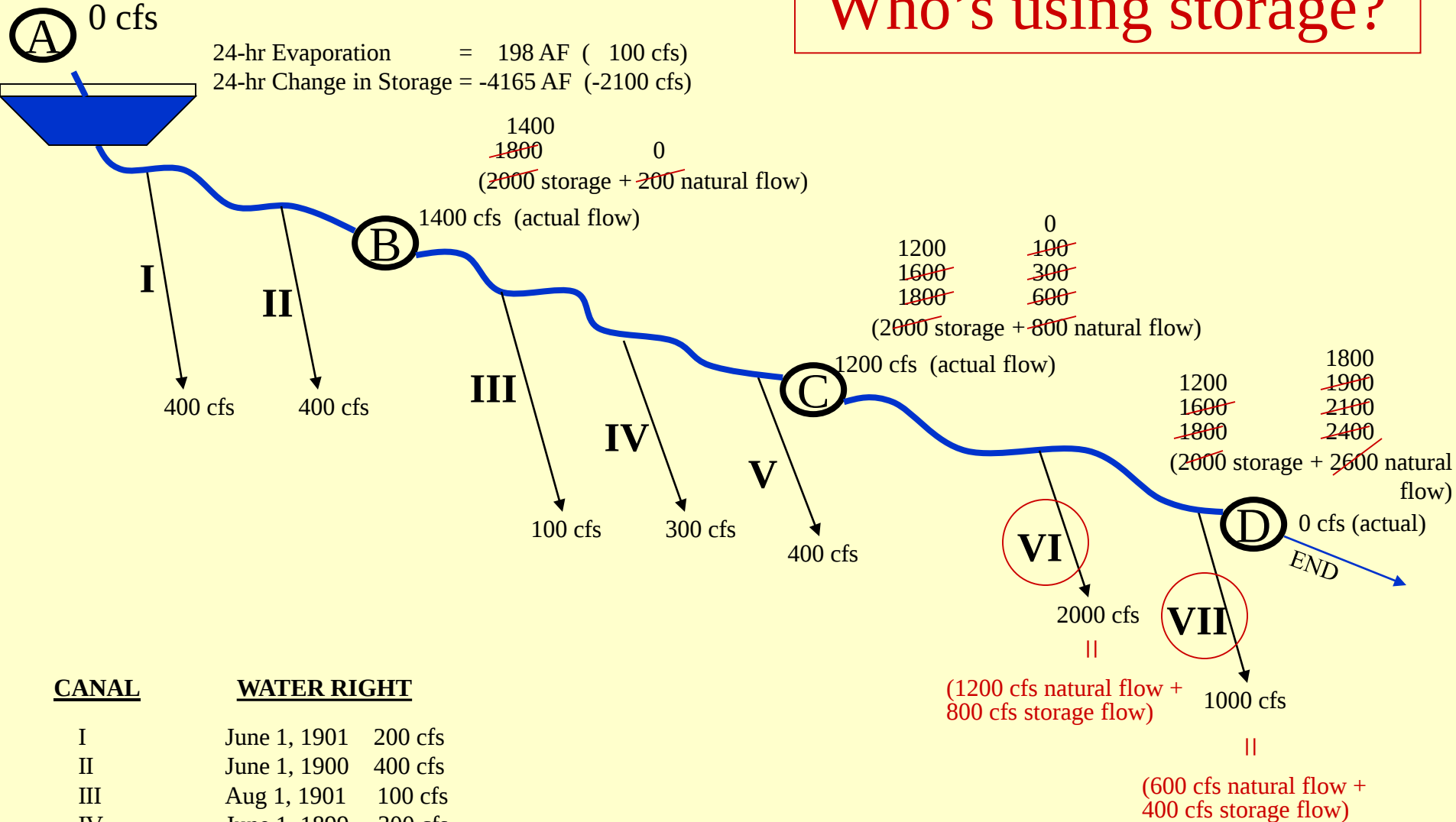
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



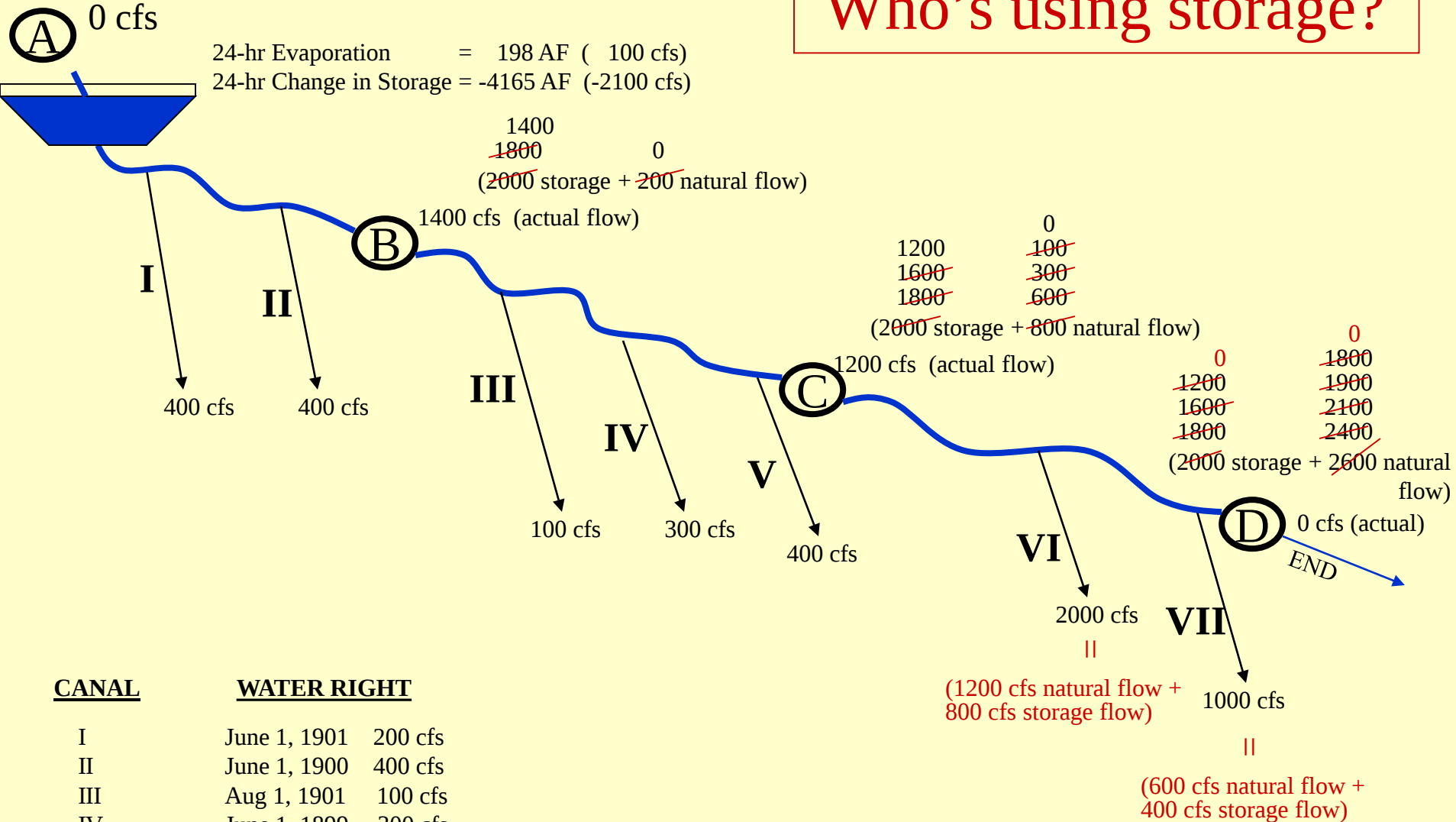
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Example 2: Distribution of Natural Flow & Storage

Who's using storage?



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V	June 1, 1898	200 cfs
VI	June 1, 1902	2000 cfs
VII	June 1, 1902	1000 cfs

REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	NATURAL FLOW DIVERSION	REMAINING NATURAL FLOW	STORAGE DIVERSION	LAST RIGHT FILLED
A-B	200	200	1400	200	0	600	June 1, 1900
B-C	600	800	1200	600	0	200	Aug 1, 1901
C-D	1800	2600	0	1800	0	1200	June 1, 1902

CANAL	WATER RIGHT	REACH	TOTAL DIVERSION	NATURAL FLOW DIVERSION	STORAGE DIVERSION
I	June 1, 1901 200 cfs	A – B	400	0	400
II	June 1, 1900 400 cfs	A – B	400	200	200
III	Aug 1, 1901 100 cfs	B – C	100	100	0
IV	June 1, 1899 300 cfs	B – C	300	300	0
V	June 1, 1898 200 cfs	B – C	400	200	200
VI	June 1, 1902 2000 cfs	C – D	2000	1200	800
VII	June 1, 1902 1000 cfs	C – D	1000	600	400

Previous Example:

- 7 Diversions
- 7 Water rights
- 3 River reaches
- 3 USGS river gauging stations
- 1 Reservoir gauge

WATER DISTRICT #1

- 349 Diversions
- 1,039 Water rights
- 39 River reaches
- 37 USGS river gauging stations
- 9 Reservoir gauges

<u>DIVERSION #</u>	<u>NAME</u>				
	Priority	CFS	Cumulative CFS	Water Right Number	Comments
<u>13038431</u>	<u>Reid Canal</u>				
	1885-06-01	29.850	29.850	01-00149A	TR 3923
	1885-06-01	0.400	30.250	01-00182C	
	1886-06-01	39.380	69.630	01-00150A	
	1889-06-01	78.460	148.090	01-00151A	
	1894-06-01	0.390	148.480	01-00187C	
	1916-01-22	39.230	187.710	01-00251A	
	1939-04-01	34.330	222.040	01-00323A	
<u>13038434</u>	<u>Texas & Liberty Park Canal</u>				
	1885-06-01	8.000	8.000	01-00104	Liberty Park
	1885-06-01	39.600	47.600	01-00182A	Texas Slough
	1886-06-01	38.000	85.600	01-00105	Liberty Park
	1886-06-01	12.000	97.600	01-00183	Texas Slough
	1887-06-01	6.000	103.600	01-00049	Nelson-Corey
	1887-06-01	38.000	141.600	01-00106	Liberty Park
	1888-06-01	38.000	179.600	01-00107	Liberty Park
	1889-06-01	38.000	217.600	01-00108	Liberty Park
	1891-06-01	14.000	231.600	01-00184	Texas Slough
	1892-06-01	14.000	245.600	01-00185	Texas Slough
	1893-06-01	14.000	259.600	01-00186	Texas Slough
	1894-06-01	13.600	273.200	01-00187A	Texas Slough
	1895-06-01	12.000	285.200	01-00188	Texas Slough
	1916-01-22	16.000	301.200	01-00253	Liberty Park
	1916-01-22	16.000	317.200	01-00254	Texas Slough
	1939-04-01	20.000	337.200	01-00316	Liberty Park
	1939-04-01	20.000	357.200	01-00329	Texas Slough
<u>13038435</u>	<u>Bannock Jim Canal</u>				
	1889-06-01	12.000	12.000	22-00654	01-00139
	1898-06-01	4.000	16.000	22-00650	
	1905-05-01	3.200	19.200	22-00655	01-00140
<u>13038436</u>	<u>Hill Pettinger Canal</u>				
	1886-06-01	0.240	0.240	01-00081B	
	1887-06-01	0.480	0.720	01-00082B	
	1888-06-01	0.480	1.200	01-00117AA	TR 299, TR 420
	1889-06-01	0.320	1.520	01-00118V	TR 299, TR 420
	1891-06-01	1.440	2.960	01-00083B	TR 420
	1903-06-01	5.000	7.960	01-00034	
	1903-06-01	5.000	12.960	01-00201	
<u>13038437</u>	<u>Nelson Corey Canal</u>				
	1887-06-01	6.000	6.000	01-00129	22-00653
	1891-06-01	4.800	10.800	01-00037	
	1939-01-01	5.000	15.800	01-00319	
<u>13038438</u>	<u>Hill L. Pump</u>				
	1902-06-01	3.000	3.000	01-00161	

WATER DISTRICT 01 - SNAKE RIVER FLOW ACCOUNTING - JUL 22, 2002

23-JUL-02

REACH FLOWS IN CFS	ACTUAL DATE	NATURAL FLOW	ACTUAL RMAING FLOW	POWER FLOW	STORED FLOW	RESRVOIR EVAP	NATURAL FLOW DIV	TOTAL RCH DIV	REACH GAIN	LAST RIGHT
1 TO MORAN	JUL 17	1164.	2817.	1164.	0.	1653.	0.	0.	1164.	18900712
33 MORAN TO ALPINE	JUL 17	3680.	5333.	3680.	0.	1653.	0.	0.	2516.	18900712
34 SALT RIVER ABV RES	JUL 17	382.	382.	382.	0.	0.	0.	0.	382.	18900712
35 GREYS RIVER ABV RES	JUL 17	497.	497.	497.	0.	0.	0.	0.	497.	18900712
2 ALPINE TO IRWIN	JUL 18	5189.	12842.	5189.	0.	7653.	0.	0.	630.	18900712
3 IRWIN TO HEISE	JUL 18	5558.	13190.	5537.	0.	7653.	0.	20.	368.	18900712
4 HEISE TO BLW DRY BED	* JUL 18	5558.	6942.	1962.	0.	4980.	0.	3575.	4895.	18900712
32 BLW DRY BED TO LORENZO	JUL 18	6321.	6880.	2243.	0.	4638.	0.	483.	608.	18900712
11 TO HENRYS LAKE	JUL 15	-26.	11.	-26.	0.	36.	0.	0.	-26.	18900712
12 HENRYS L TO ISLAND PARK	JUL 16	478.	1415.	478.	0.	937.	14.	0.	504.	18900712
13 ISLAND PARK TO ASHTON	JUL 17	1264.	2201.	1264.	0.	937.	0.	0.	786.	18900712
30 ASHTON TO AB FALLS RIVER	* JUL 17	1264.	2201.	1264.	0.	937.	0.	0.	0.	18900712
14 TO GRASSY LAKE	JUL 17	-7.	50.	-7.	0.	57.	0.	0.	-7.	18900712
15 GRASSY LK TO ABV YELLOW	JUL 17	648.	705.	648.	0.	57.	0.	0.	655.	18900712
16 ABV YELLOW TO CHESTER	JUL 17	633.	157.	455.	0.	-299.	0.	177.	-15.	18900712
17 AB FALLS R TO ST ANTHONY	JUL 17	1697.	989.	840.	0.	149.	0.	679.	-200.	18900712
10 ST ANTHONY TO AB NF TETN	* JUL 17	1697.	243.	387.	0.	-144.	0.	453.	761.	18900712
18 AB S LEIGH TO ST ANTHONY	JUL 17	570.	710.	570.	0.	140.	0.	169.	570.	18840601
19 ST ANTHONY TO TETON MTH	JUL 17	437.	0.	0.	0.	0.	0.	437.	740.	18840601
20 AB NF TETN TO REXBURG	JUL 18	2729.	831.	983.	0.	-152.	0.	0.	596.	18900712
21 LORENZO TO MENAN	* JUL 18	9051.	7504.	3224.	0.	4281.	0.	2.	230.	18900712
5 MENAN TO NR IDAHO FALLS	JUL 18	9485.	7642.	2419.	0.	5223.	0.	1239.	1622.	18900712
36 NR ID FALLS TO AB WLW CR	* JUL 18	9485.	7403.	2419.	0.	4984.	0.	0.	239.	18900712
23 WILLOW CRK BLW TEX CREEK	JUL 18	12.	10.	10.	0.	0.	0.	2.	12.	18800401
24 BLW TEX CREEK TO NR RIRI	JUL 18	12.	28.	10.	0.	18.	9.	0.	0.	18800401
25 NR RIRIE TO FDWY NR UCON	JUL 18	11.	0.	0.	0.	0.	9.	690.	-1.	18800401
28 FDWY NR UCON TO END	* JUL 18	11.	0.	0.	0.	0.	0.	0.	0.	18800401
31 WILLOW CRK TO SHELLEY	JUL 19	8785.	6169.	1508.	0.	4661.	0.	200.	477.	18900712
6 SHELLEY TO AT BLACKFOOT	JUL 19	8330.	3041.	124.	0.	2918.	0.	930.	-455.	18900712
22 AT BLKFOOT TO BLW BLKFT	* JUL 19	8330.	2918.	0.	0.	2918.	0.	124.	0.	18900712
38 BLW BLKFT TO NR BLKFOOT	JUL 20	8371.	2968.	41.	0.	2927.	0.	0.	41.	19001011
39 PORTNUEF R AT POCATELLO	JUL 20	28.	28.	28.	0.	0.	0.	0.	28.	19001011
7 NR BLACKFOOT TO NEELEY	JUL 21	10379.	10900.	2049.	0.	8851.	92.	0.	170.	19001011
8 NEELEY TO MINIDOKA	JUL 21	10651.	9152.	2321.	0.	6831.	107.	0.	1761.	19001011
9 MINIDOKA TO MILNER	JUL 22	10651.	219.	0.	0.	219.	0.	2321.	8495.	19001011

* - INDICATES FLOW ESTIMATED, NOT MEASURED

TOTALS 10651. 25425. 10651.

RESERVOIR	PREVIOUS AF	CURRNT AF	CHNG CFS	ACCRD CFS	TOTAL AF	EVAP AF	PRIORITY	RESERVOIR	AF RIGHT	AF STORED
1 JACKSON LAKE	649121.0	646474.0	-1334.5	0.0	680438.6	0.0	1	JACKSON LAKE	298981.0	298981.0
2 PALISADES	478394.0	467180.0	-5653.6	0.0	415652.6	12789.0	2	LAKE WALCOTT	95200.0	95200.0
3 HENRYS LAKE	66428.0	66450.0	11.1	0.0	32632.0	0.0	3	JACKSON LAKE	138829.0	138829.0
4 ISLAND PARK	89772.0	87797.0	-995.7	0.0	54276.1	6415.2	4	JACKSON LAKE	409190.0	242628.6
5 GRASSY LAKE	14102.0	13985.0	-59.0	0.0	8769.0	0.0	5	HENRYS LAKE	79350.0	21982.0
6 RIRIE	42463.0	42367.0	-48.4	0.0	0.0	1753.3	6	PALISADES	256708.7	256708.7
7 AMERICAN FALLS	476284.0	465705.0	-5333.5	0.0	1614837.6	14928.2	7	ISLAND PARK	45000.0	45000.0
8 LAKE WALCOTT	95296.0	95065.0	-116.5	0.0	95200.0	17287.4	8	AMERICAN FALLS	156830.0	156830.0
9 LAKE MILNER	37201.0	37331.0	65.5	0.0	0.0	0.0	9	AMERICAN FALLS	1458007.6	1458007.6
TOTAL	1949061.0	1922354.0	-13464.6	0.0	2901805.9	53173.1	10	ISLAND PARK	90000.0	9276.1
CHANGE IN CONTENT							11	GRASSY LAKE	15204.0	8769.0
STORAGE DIVERTED							12	PALISADES	845429.6	158943.9
STO PAST MILNER							13	HENRYS LAKE	10650.0	10650.0
TOTAL STORED							14	RIRIE	80500.0	0.0
UNACCT STORED							15	AMERICAN FALLS	57752.4	0.0
AM FALLS GAIN DIFF							16	PALISADES	97861.7	0.0
YEAR-TO-DATE AF	1303353.7	960540.5	10949.1	2901805.7	37000.0	-2821.4				

DIVERSION DATA - JUL 22, 2002

23-JUL-02

DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG	DIVERSION	CFS DIVN	CFS STOR	AF USED	AF RMNG
1 P BIRD	0	0	0	52	112 E & S CLARK	0	0	0	0	223 B TOMCHAK #1	0	0	0	0
2 BOY SCOUT PUMP	0	0	0	0	113 V & D KIRKHAM	0	0	0	0	224 C BOYCE	0	0	0	250
3 A ROSTAD	0	0	0	232	114 D NEDROW	0	0	0	74	225 STIENKE-MURDOCK	0	0	0	376
4 R ROSE	0	0	0	23	115 L FRANSSEN (10)	0	0	0	0	226 L CARLSON N (13)	0	0	0	0
5 PALISADES CANAL	20	0	185	545	116 L BRATT	0	0	0	1	227 B TOMCHAK #2	0	0	0	16
6 J FLEMING	0	0	0	0	117 L LOOSLI #1	0	0	0	0	228 L CARLSON S (13)	0	0	0	0
7 J WEEKS	0	0	0	79	118 DEWEY	0	0	152	320	229 H BROWN	0	0	0	0
8 R JACOBSON	0	0	0	0	119 J SEELEY	0	0	0	79	230 KINGSTON NTH	0	0	0	44
9 T LOTT #2	0	0	0	0	120 YELLOWSTONE	30	30	854	1429	231 G OFFUT (13)	0	0	0	0
10 L JACOBSON	0	0	0	175	121 MARYSVILLE	132	132	4497	4350	232 KINGSTON STH	0	0	0	60
11 I SPAULDING (TR)	0	0	0	0	122 C ATCHLEY (10)	0	0	0	0	233 BEAR ISL NORTH	0	0	0	116
12 B FOSTER	0	0	0	194	123 F & L GRIFFEL	0	0	0	153	234 BEAR ISL WEST	0	0	0	85
13 ANDERSON	375	261	21089	11790	124 R BAUM	0	0	0	0	235 OSGOOD	73	63	2324	9148
14 M & M CATTLE (S)	0	0	0	467	125 G/6 (10)	0	0	0	75	236 CLEMENTS	0	0	0	261
15 M NEWBY #1	0	0	0	204	126 FARMERS OWN	52	48	1696	1620	237 KENNEDY	11	0	0	939
16 M NEWBY #2 (19)	0	0	0	0	127 W SCAFE	0	0	0	21	238 GREAT WESTERN	458	479	9387	41043
17 M NEWBY #3 (19)	0	0	0	0	128 R STURM #2 (10)	0	0	0	0	239 L HANSEN E (13)	0	0	0	0
18 EAGLE ROCK (1)	703	0	0	0	129 R STURM #1 (10)	0	0	0	0	240 A ZOHNER	0	0	0	0
19 FARMERS FRIEND	324	0	5638	58	130 M GRIFFEL	0	0	0	0	241 V CENELL	0	0	0	41
20 ENTERPRISE	214	214	9126	12298	131 L LOOSLI #2	0	0	0	83	242 YORGENSON (13)	0	0	0	0
21 C HICKMAN	0	0	0	3	132 CONANT CR CANAL	27	27	659	348	243 R MACKAY (13)	0	0	0	0
22 BUTLER ISLAND	46	4	218	28	133 K NYBORG	0	0	0	95	244 IDAHO	1080	80	5461	58997
23 ROSS AND RAND	5	0	67	41	134 BOOM CR CANAL	5	5	230	124	245 A BUTIKOFER (13)	0	0	0	0
24 STEELE	0	0	109	-109	135 L ORME	1	1	90	-49	246 PORTER (17)	239	0	0	0
25 HARRISON	536	297	20685	7175	136 SQUIR PMP #3	0	4	312	-192	247 LOERTSCHER	2	0	0	0
26 CHENEY	0	0	1	-1	137 D HARSHBARGER	0	0	0	0	248 BOYD FOSTER	5	5	268	-268
27 J BROWN	0	0	0	0	138 SQUIR PMP #1 (20)	4	0	0	0	249 B JOHNSON	3	0	0	0
28 BUTLER ISL #2	0	0	0	347	139 D ZUNDELL	0	0	0	0	250 LOVELL # 1	2	0	0	0
29 G SCOTT (11)	0	0	0	0	140 L LOOSLI #3	0	0	0	0	251 FERGUSON	1	0	0	0
30 RUDY	236	111	6928	1049	141 L LOOSLI #4	0	0	0	0	252 LOVELL # 2	1	0	0	0
31 LOWDER SLOUGH	54	28	943	469	142 C LOOSLI #1	0	0	0	74	253 W REED #1	6	0	0	0
32 KITE & NORD	8	1	62	-62	143 J HILL	0	0	0	8	254 SARGENT & SUMMRS	5	0	0	0
33 BURGESS	930	288	13098	14302	144 D REYNOLDS	0	0	0	74	255 DURTSCHI PUMPS	0	0	0	0
34 M H HILL	0	0	0	100	145 C LOOSLI #2	0	0	0	78	256 W REED #2	0	0	0	0
35 CLARK & EDWARDS	70	0	63	-1	146 T POTTER	0	0	0	25	257 FOSTER-SARGENT P	2	0	0	0
36 CROFT	0	0	83	-83	147 ENTERPRISE	99	99	4792	15015	258 SPERRY	3	0	0	0
37 A ZAUGG	0	0	0	0	148 ATCHLEY #2 (10)	0	0	0	0	259 ORVAL AVERY	6	0	0	0
38 G HOLMAN	0	0	0	0	149 R D MILLER	0	0	0	49	260 ROY AVERY	9	0	0	0
39 L TYLER	0	0	0	43	150 ATCHLEY #1 (10)	0	0	0	0	261 STUCKI PUMPS	2	0	0	0
40 EAST LABELLE	131	11	690	95	151 W C DAVIS (10)	0	0	0	0	262 ORVAL AVERY PUMP	0	0	0	0
41 B GROVER (23)	0	0	0	0	152 FALL RIVER CANAL	118	15	98	3347	263 ROY COOPER SAND	2	0	0	0
42 RIGBY LATERL (3)	0	0	0	0	153 CHESTER	13	7	299	326	264 ROY COOPER WILL	7	0	0	0
43 RIGBY	195	34	1502	135	154 MCBEE	0	0	94	106	265 D KEELER	8	0	0	0
44 K FOSTER (23)	0	0	0	0	155 SILKEY	18	2	70	30	266 PROGRESSIVE SAND	452	0	0	0
45 WHITE ISLAND	0	0	0	0	156 CURR	34	0	21	-3	267 BEAN	5	0	0	0
46 DILTS LATERAL (2)	0	0	0	0	157 L LOOSLI #5	0	0	0	110	268 W & O COOPER	0	0	0	0
47 DILTS	0	0	938	672	158 G BLANCHARD	0	0	0	19	269 IDAHO FR SAND CK	13	13	902	-902
48 ISLAND	85	0	651	1349	159 D BLANCHARD	0	0	0	0	270 DEMICK	0	0	0	0
49 W LABELLE & LG I	495	0	313	664	160 LAST CHANCE	44	0	0	5198	271 PROGRESSIVE WILL	160	0	112	-112
50 PARKS & LEWSVLE	403	54	2921	2193	161 CROSSCUT TO TETN	309	0	792	-792	272 IF MONROC LARGE	0	0	0	0
51 NORTH RIGBY	48	0	359	530	162 XCUT FALL R (16)	236	0	0	0	273 IF MONROC LYONS	0	0	0	0
52 JEFF HILLS ELEC	0	0	0	31	163 FARMERS FRIEND	32	12	1156	698	274 WOODVILLE	47	58	1501	5555
53 JEFF HILLS ENG	0	0	0	0	164 THWIN GROVES	61	61	1836	281	275 WOODVL PMP#1 (22)	0	0	0	0
54 WHITE DITCH (3A)	0	0	0	0	165 ST ANTHONY UNION	394	85	2634	1017	276 WOODVL PMP#2 (22)	0	0	0	0
55 D PHILLIPS	0	0	0	31	166 SALEM UNION	127	127	3804	7144	277 WOODVL SIPH (22)	11	0	0	0
56 BRAMWELL	16	13	83	-83	167 EGIN	376	76	555	2573	278 IDAHO PUMP	0	0	0	0
57 ELLIS (12)	11	0	0	0	168 ST AN U FDR (18)	108	0	0	0	279 SNAKE RIVER VY	419	219	8000	59198

Additional Adjustments

- Travel time
- Reach-gain averaging
- Storage/natural flow exchanges
- Groundwater/natural flow exchanges
- Sub-basin water transfers
- Volume limitations

TRAVEL TIME

- Natural flow (reach gains) are computed in 24-hour blocks
- It takes seven days for a block of natural flow to travel from Henrys Lake to the end of the system at Milner Dam (It takes five days from Jackson to Milner Dam).
- Available natural flow cannot be precisely computed until it has traveled the entire length of the system past every diversion.
- “Projected Data” used to estimate priorities being filled for current and future days based on current diversions and reach gains.

Reach-Gain Averaging

- Smoothes daily reach-gain fluctuations caused by imprecise travel times and gauging.
- A half-inch change in American Falls Reservoir elevation at full stage represents approximately 2,000 AF (1000 cfs).
- Makes it easier to manage canals.

Storage/Natural Flow Exchanges

- Storage delivery to diversions on tributaries without reservoirs.

Groundwater/Natural Flow Exchanges

- Diversions with groundwater rights divert surface water and replace it with groundwater pumped into river.

Sub-basin Water Transfers

- Crosscut Canal
- Eagle Rock Canal

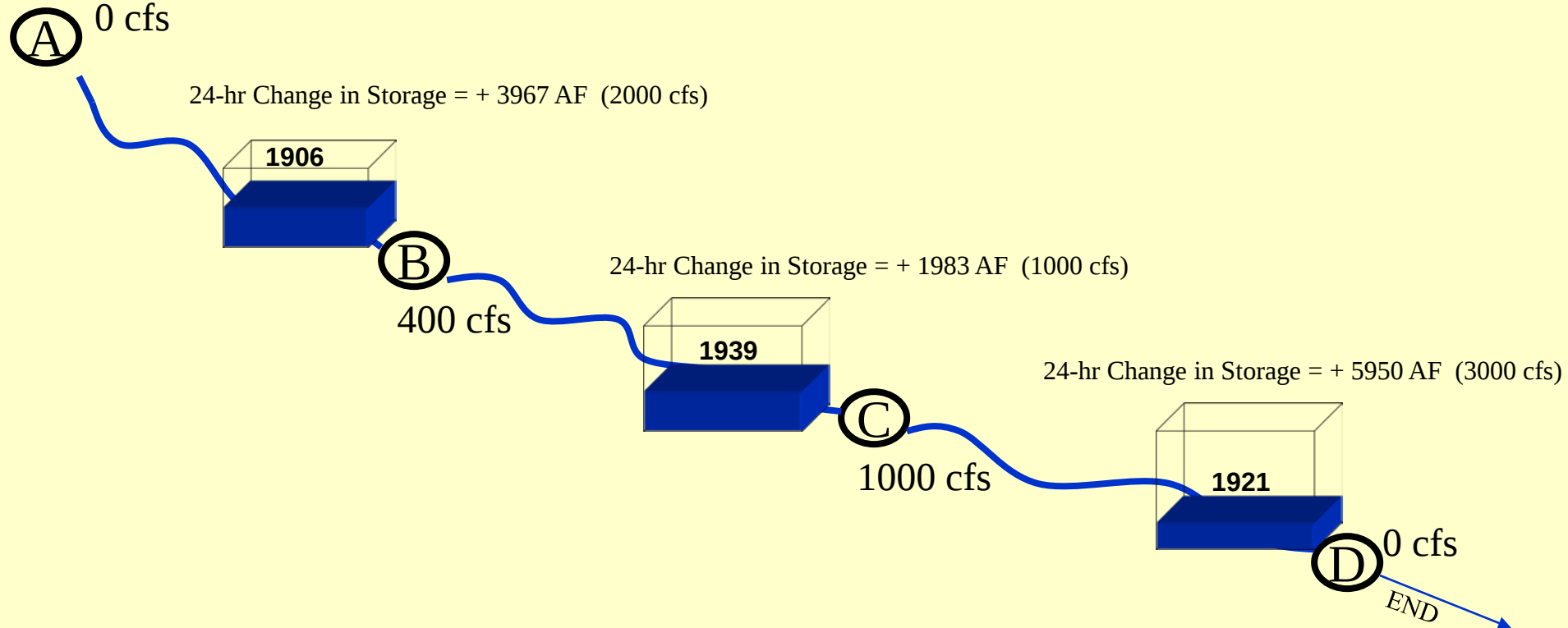
Volume Limitations

- Water right limited by total volume diverted.
- Difficult to account for if a canal has several water rights, but only one water right has a volume limitation.
- Storage volume only accounted at canal river headgate.

Preliminary vs. Final Water Right Accounting

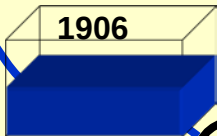
- Water District #1 uses the best available data during the irrigation season to determine daily natural-flow and storage deliveries (preliminary accounting).
- At the end of the irrigation season both the USGS and Water District #1 complete a comprehensive review of all their data collected during the irrigation season.
- Any revisions or additions to any reservoir, streamflow, and diversion data are corrected in the database, and the water-right accounting at the end of the year is rerun for the entire season to determine a more precise daily record of natural-flow and storage diversion that occurred during the irrigation season (final accounting).

Reservoir Water Right Accrual



Ⓐ 0 cfs

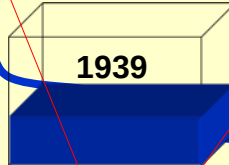
24-hr Change in Storage = + 3967 AF (2000 cfs)



Ⓑ

400 cfs

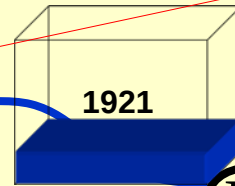
24-hr Change in Storage = + 1983 AF (1000 cfs)



Ⓒ

1000 cfs

24-hr Change in Storage = + 5950 AF (3000 cfs)



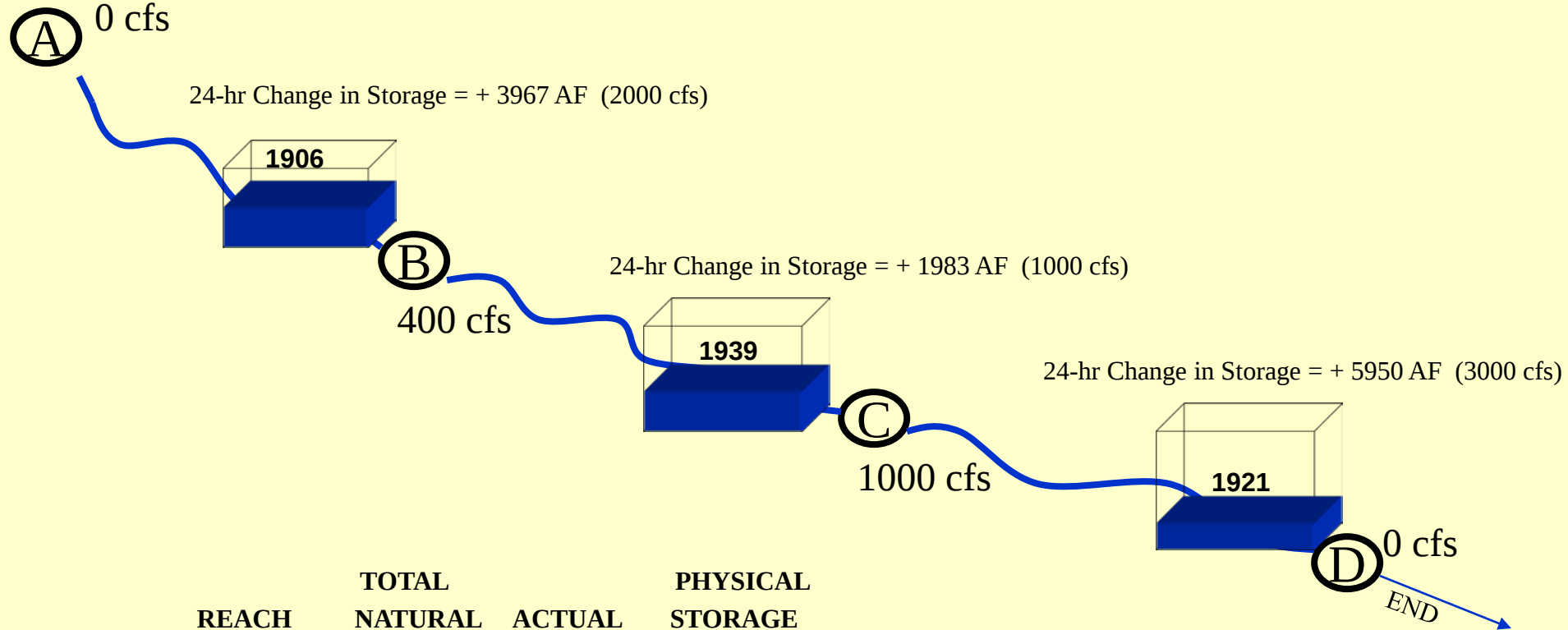
Ⓓ

0 cfs

END

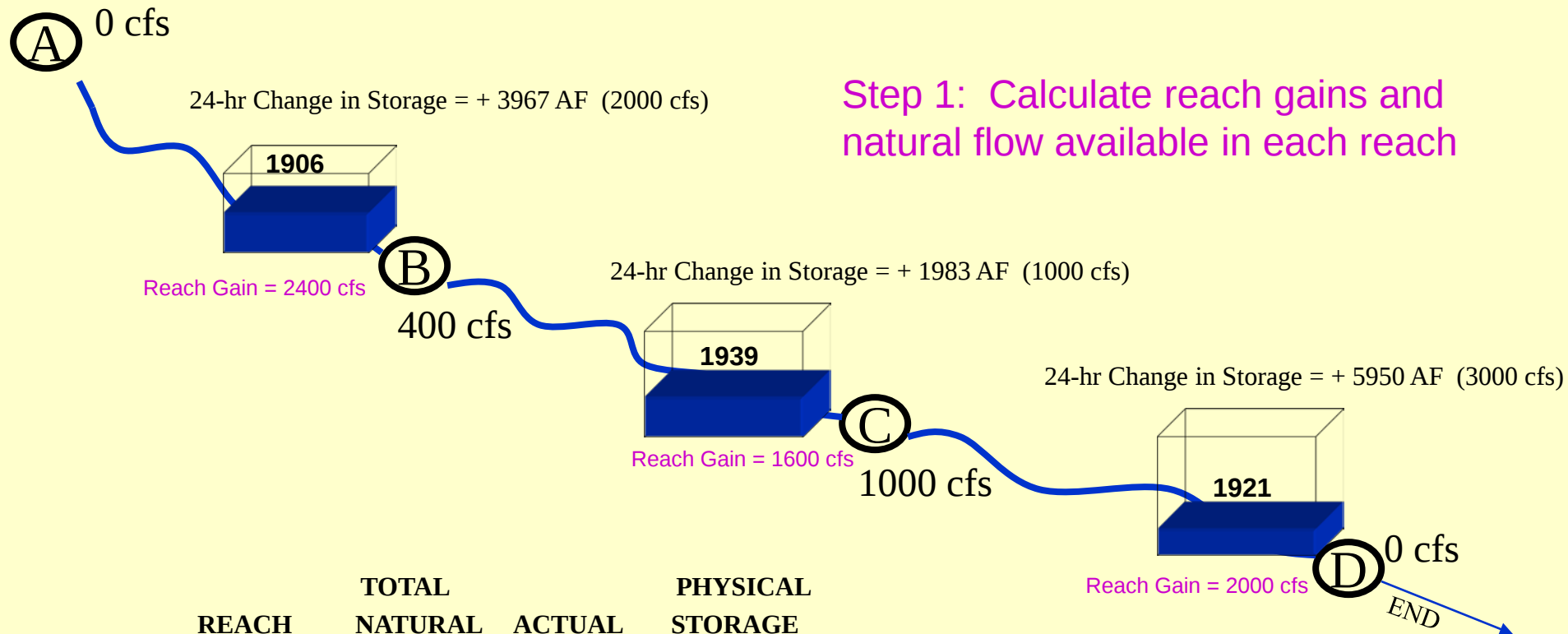
REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	PHYSICAL STORAGE DIVERSION
A-B	2400	2400	400	2000
B-C	1600	4000	1000	1000
C-D	2000	6000	0	3000

Which reservoir rights are being filled?



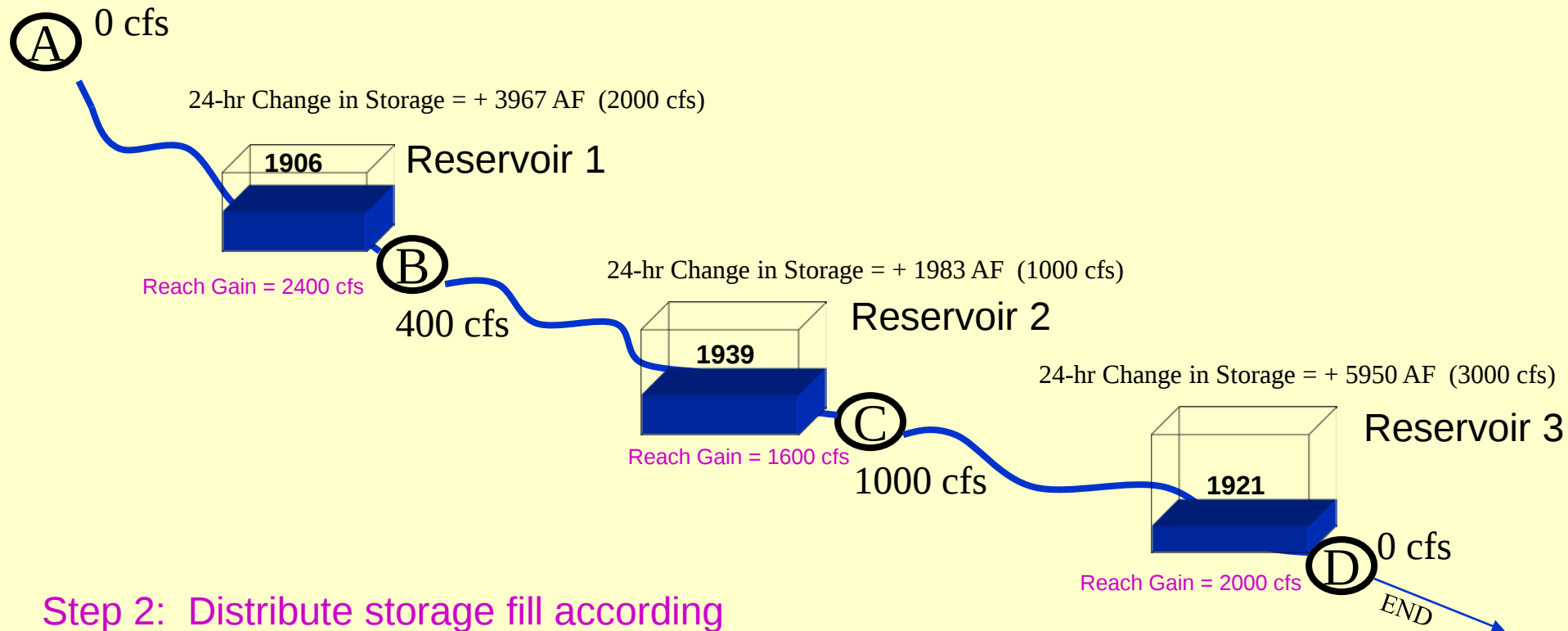
REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	PHYSICAL STORAGE DIVERSION
A-B	2400	2400	400	2000
B-C	1600	4000	1000	1000
C-D	2000	6000	0	3000

Which reservoir rights are being filled?



REACH	REACH GAINS	TOTAL NATURAL FLOW	ACTUAL FLOW	PHYSICAL STORAGE DIVERSION
A-B	2400	2400	400	2000
B-C	1600	4000	1000	1000
C-D	2000	6000	0	3000

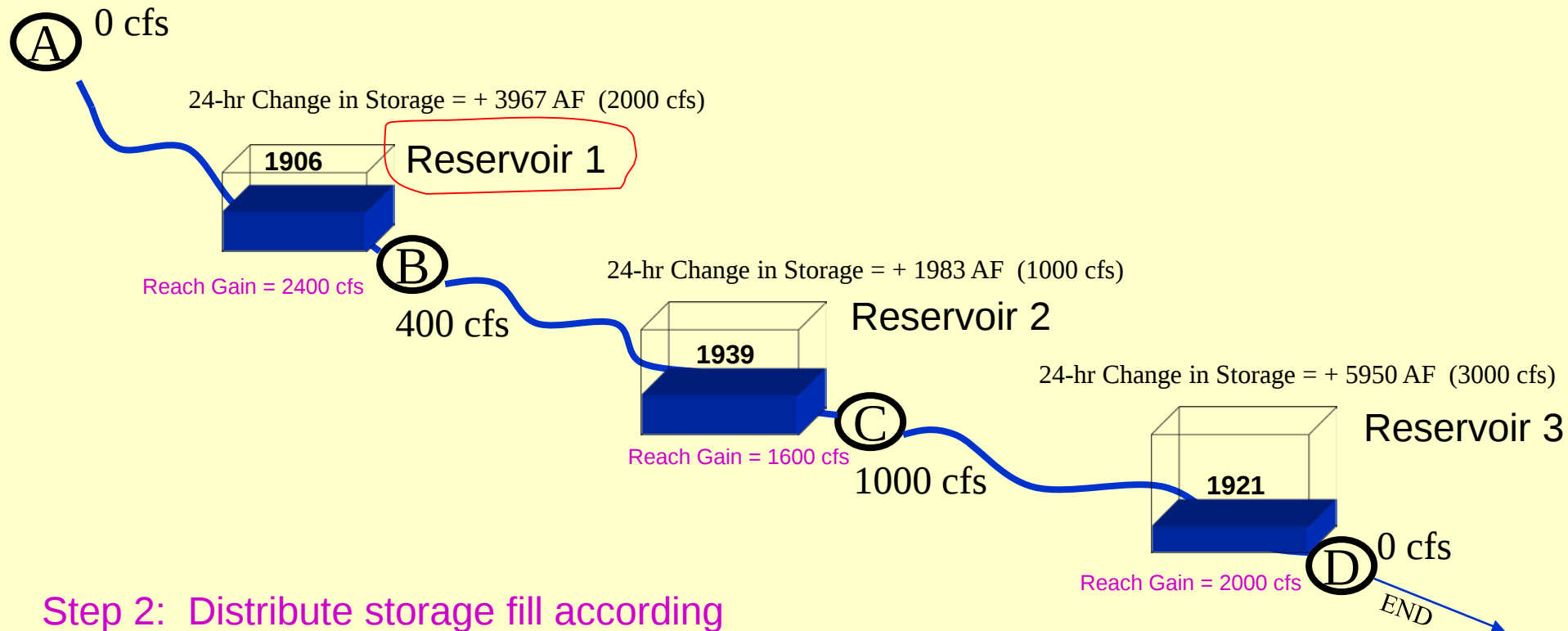
Which reservoir rights are being filled?



Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	
2	April 15, 1939	
3	July 21, 1921	

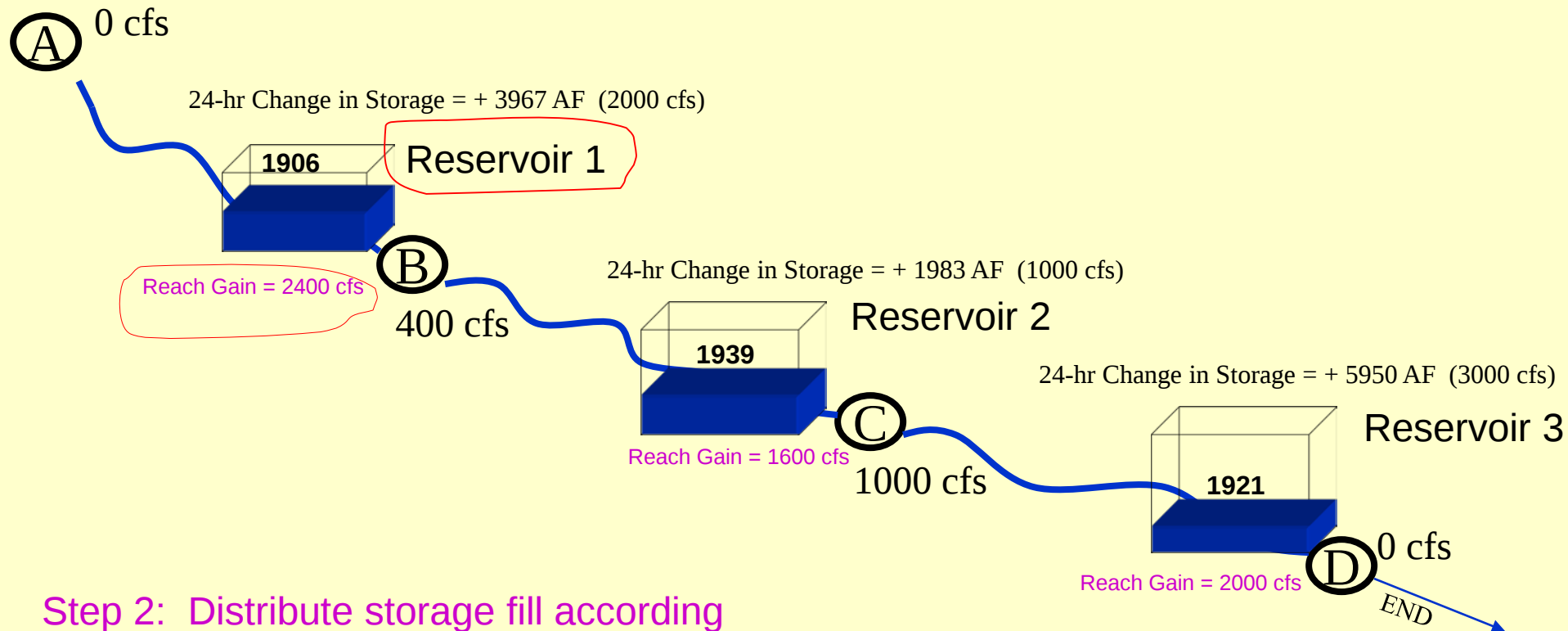
Which reservoir rights are being filled?



Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	
2	April 15, 1939	
3	July 21, 1921	

Which reservoir rights are being filled?



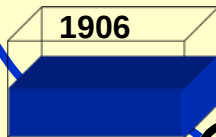
Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	2400 cfs (4760 ac-ft)
2	April 15, 1939	
3	July 21, 1921	

Which reservoir rights are being filled?

Ⓐ 0 cfs

24-hr Change in Storage = + 3967 AF (2000 cfs)



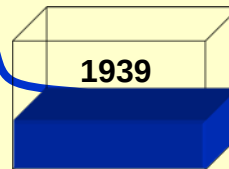
Reservoir 1

Reach Gain = 2400 cfs

Ⓑ

400 cfs

24-hr Change in Storage = + 1983 AF (1000 cfs)



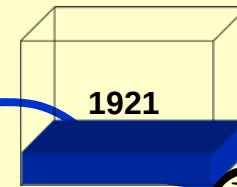
Reservoir 2

Reach Gain = 1600 cfs

Ⓒ

1000 cfs

24-hr Change in Storage = + 5950 AF (3000 cfs)



Reservoir 3

Reach Gain = 2000 cfs

Ⓓ

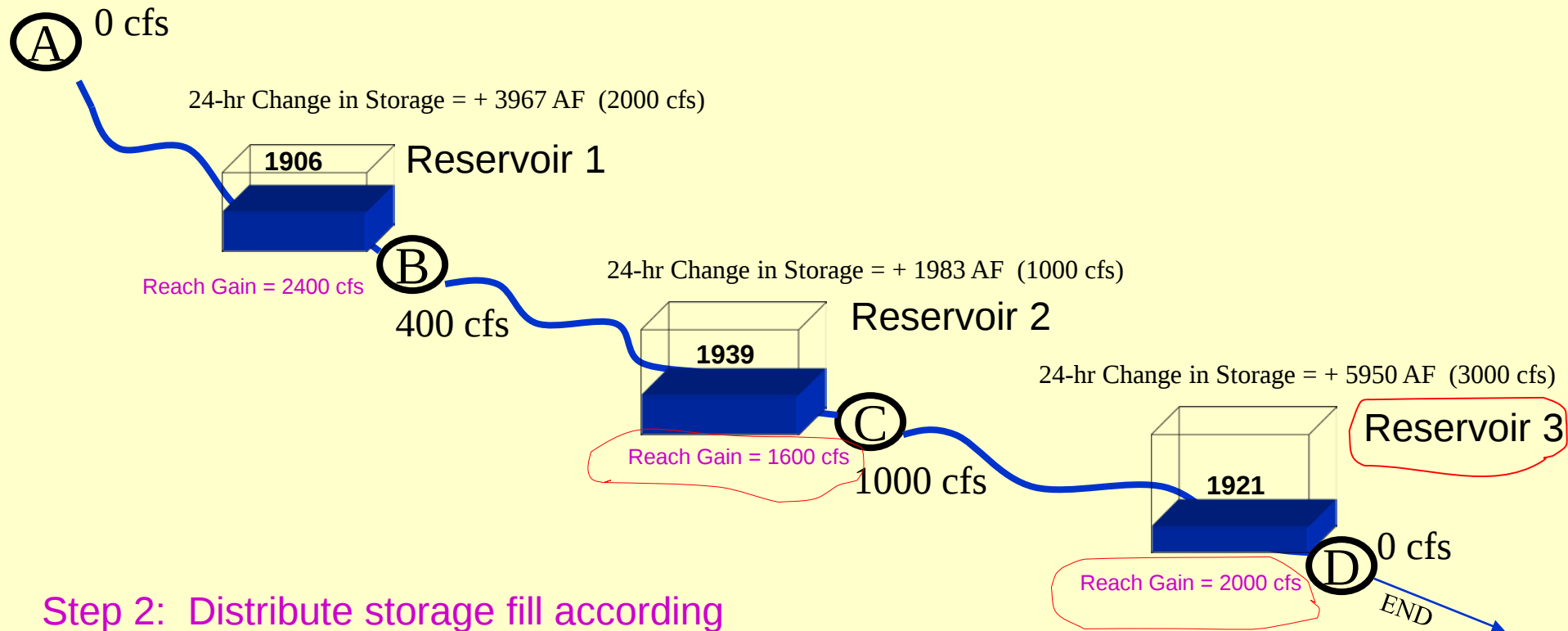
0 cfs

END

Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	2400 cfs (4760 ac-ft)
2	April 15, 1939	
3	July 21, 1921	

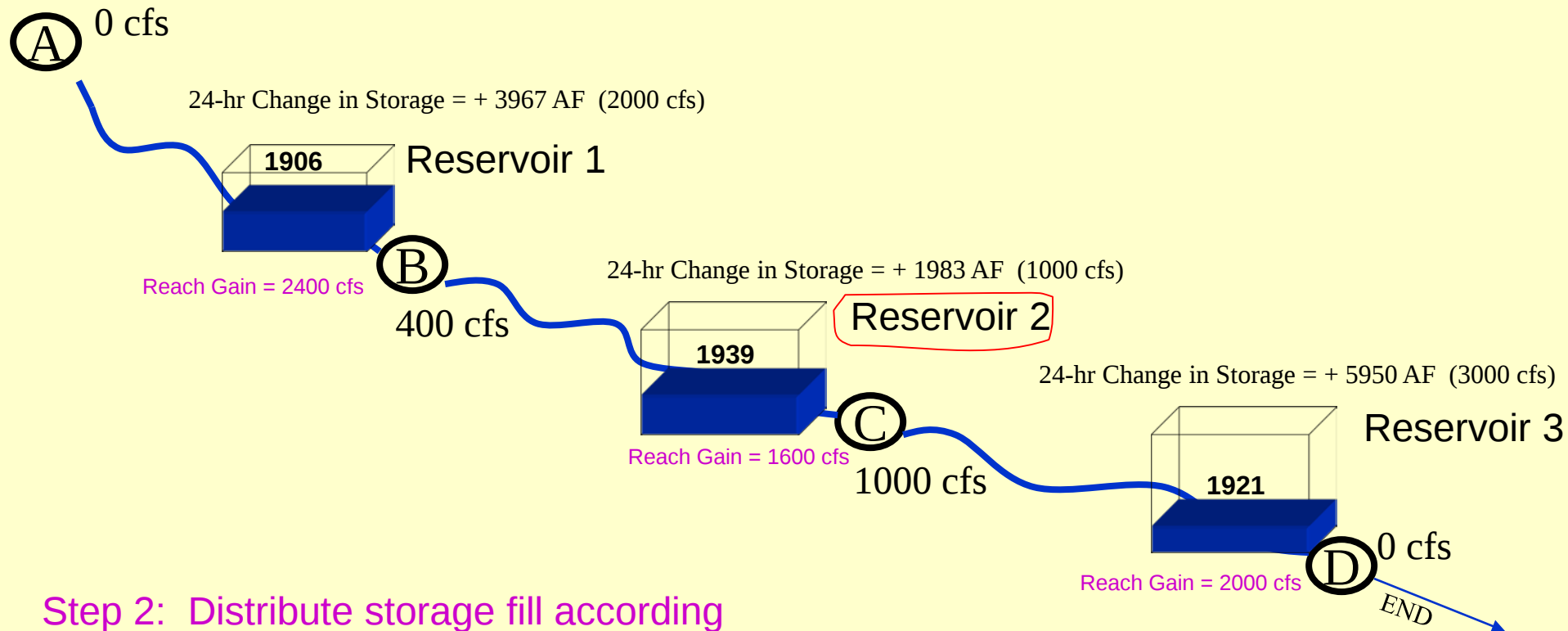
Which reservoir rights are being filled?



Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	2400 cfs (4760 ac-ft)
2	April 15, 1939	
3	July 21, 1921	3600 cfs (7141 ac-ft)

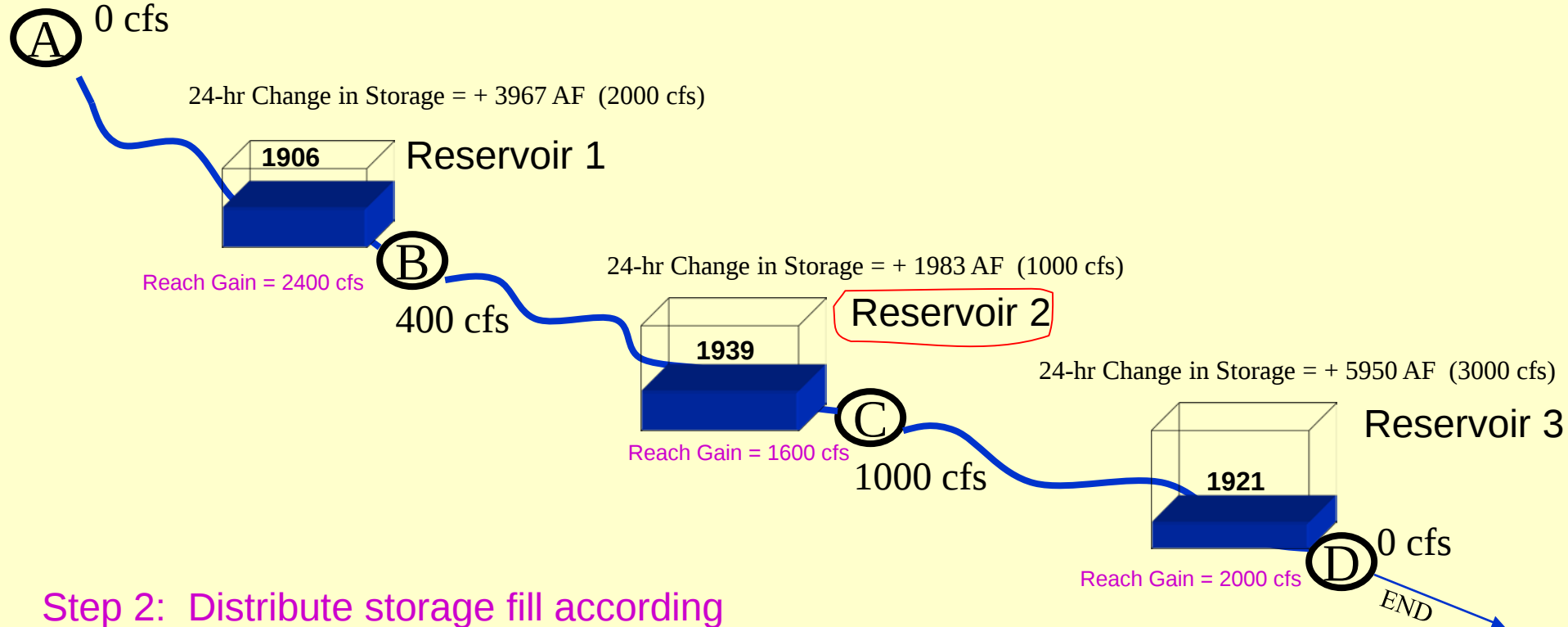
Which reservoir rights are being filled?



Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	2400 cfs (4760 ac-ft)
2	April 15, 1939	
3	July 21, 1921	3600 cfs (7141 ac-ft)

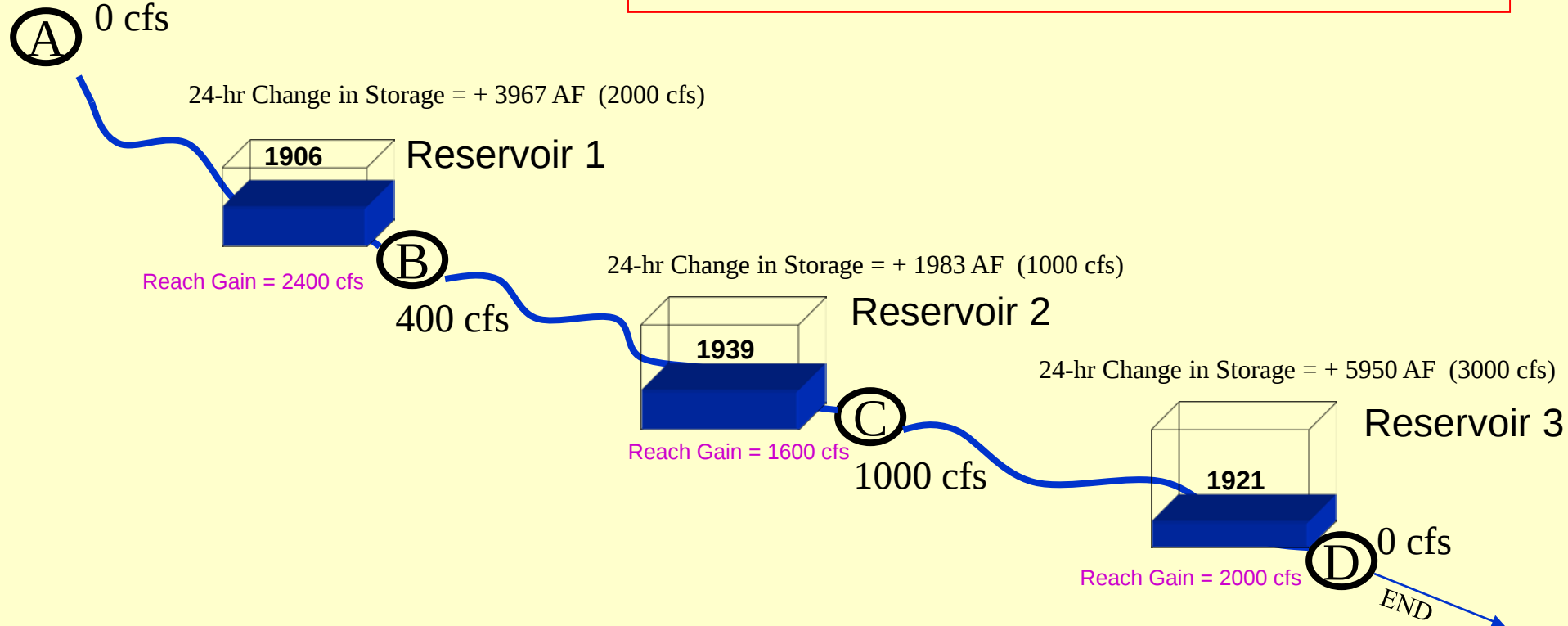
Which reservoir rights are being filled?



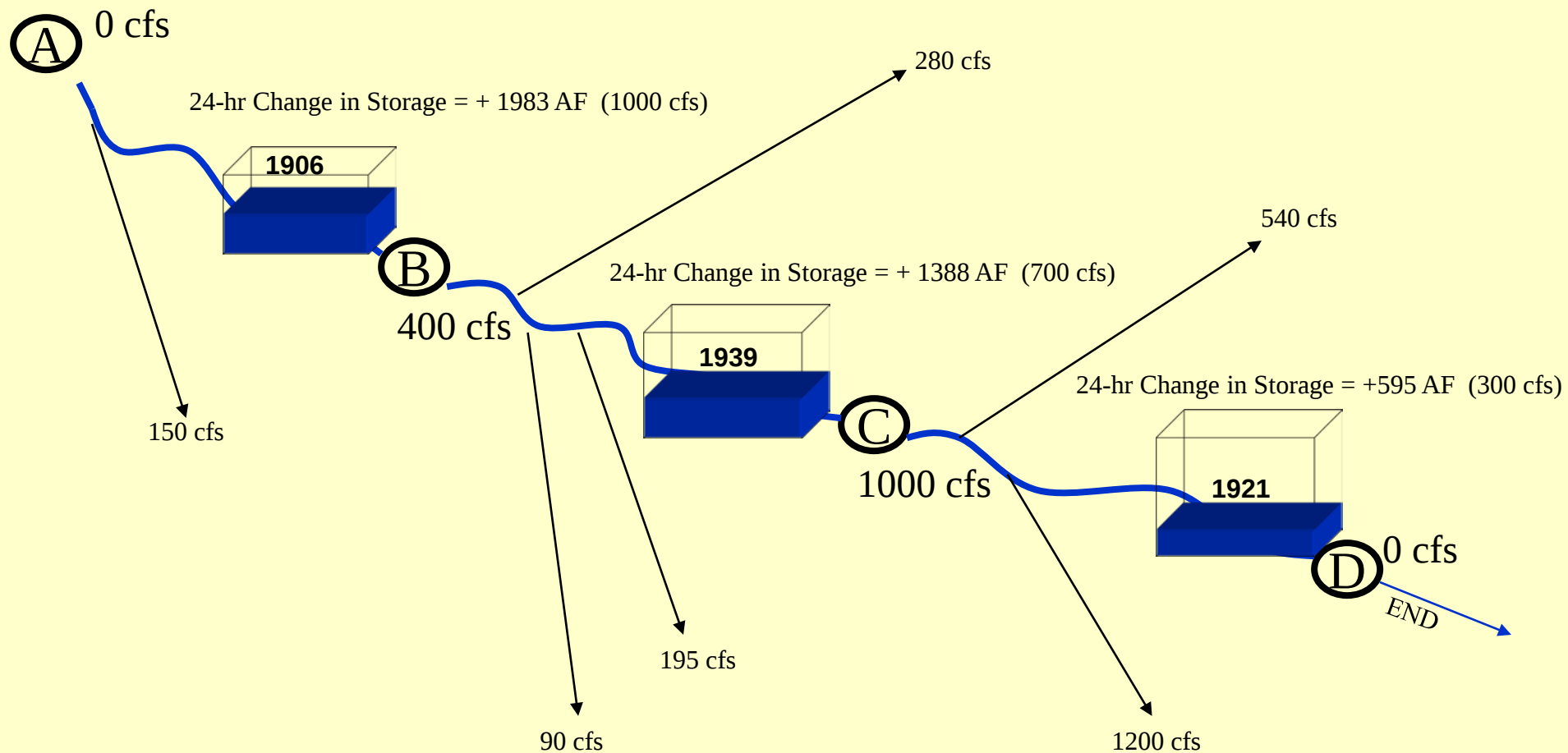
Step 2: Distribute storage fill according to water right priorities.

<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>
1	June 1, 1906	2400 cfs (4760 ac-ft)
2	April 15, 1939	0 cfs (0 ac-ft)
3	July 21, 1921	3600 cfs (7141 ac-ft)

“PAPER FILL” vs. PHYSICAL FILL

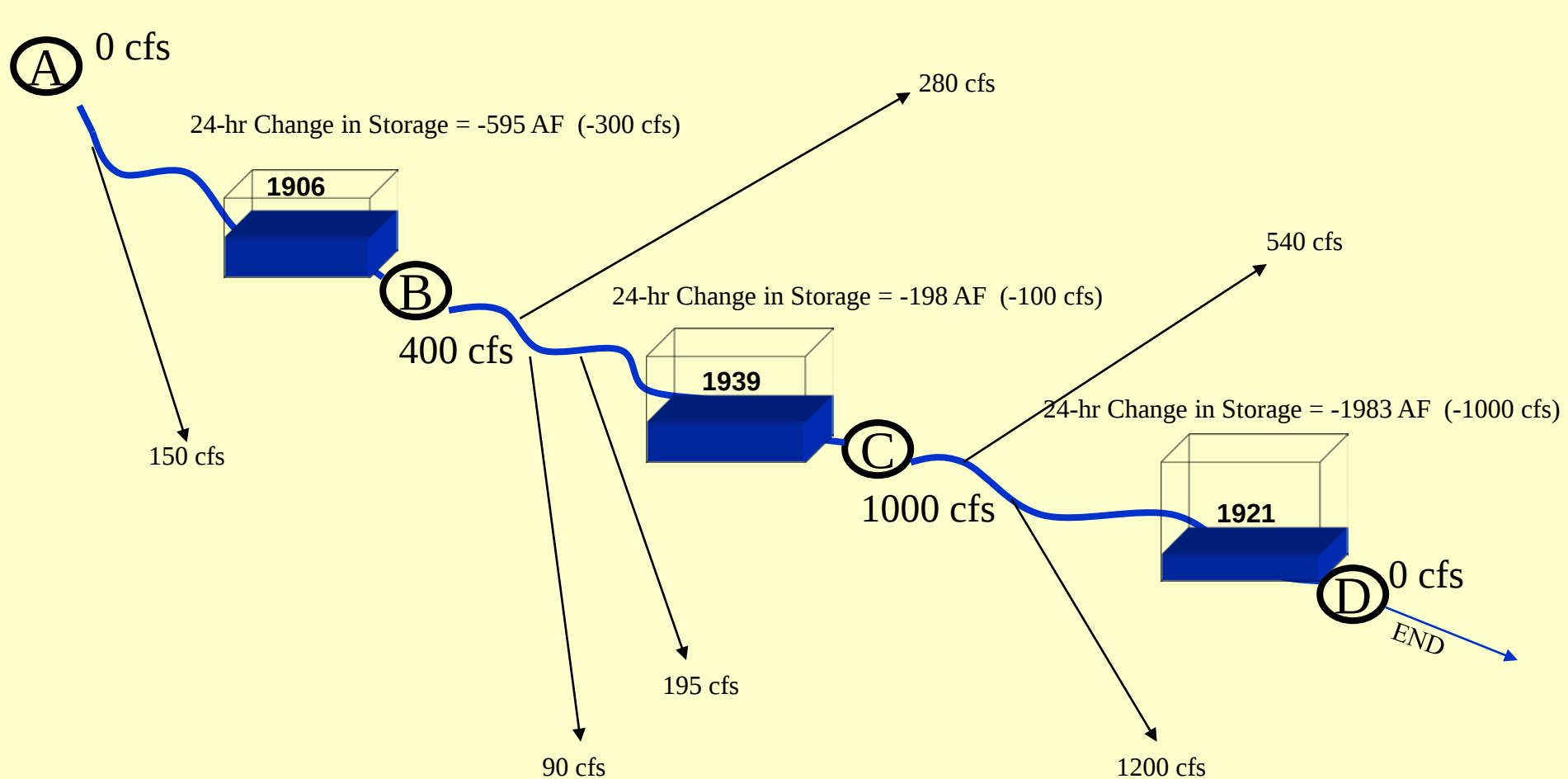


<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>ACCRUAL</u>	<u>PHYSICAL CHANGE IN CONTENTS</u>
1	June 1, 1906	2400 cfs (4760 AF)	2000 cfs (3967 AF)
2	April 15, 1939	0 cfs (0 AF)	1000 cfs (1983 AF)
3	July 21, 1921	3600 cfs (7140 AF)	3000 cfs (5950 AF)
=====			
		6000 cfs (11,900 AF)	6000 cfs (11,900 AF)



Is it possible to accrue storage to reservoir rights when diversions are diverting water?

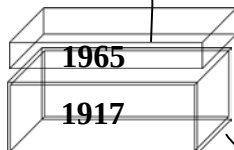
ANSWER: Yes, when there is sufficient natural flow to fill 1906, 1921, or 1939 priorities.



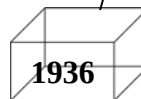
Is it possible to accrue new storage to reservoir rights when the reservoir's physical contents are decreasing?

ANSWER: Yes, when there is sufficient natural flow to fill 1906, 1921, or 1939 priorities.

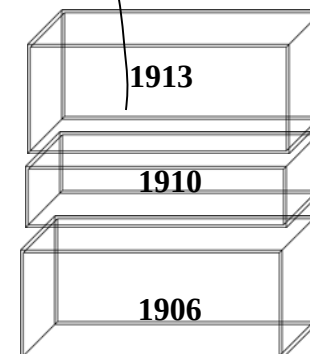
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



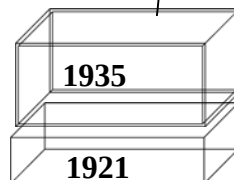
Grassy Lake
1936: 15,204 AF



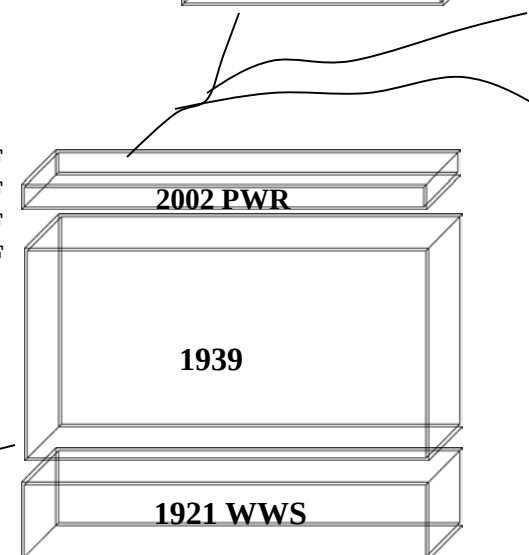
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



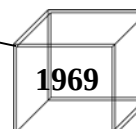
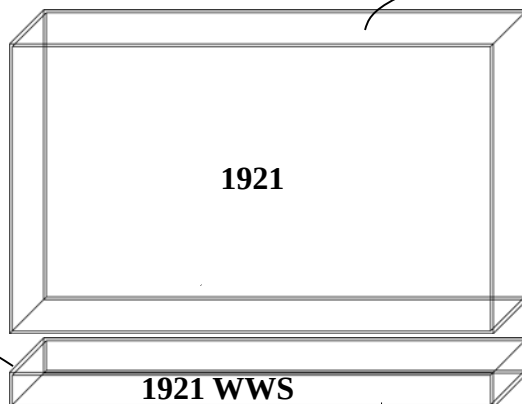
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF

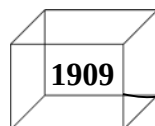


American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF

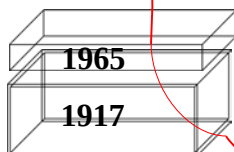


Ririe
1969: 80,500 AF

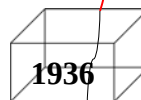
Lake Walcott
95,200 AF



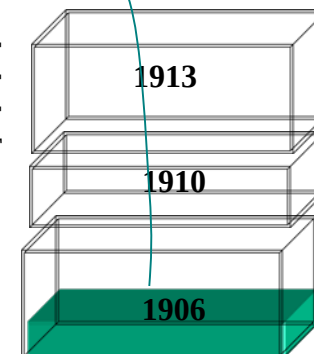
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



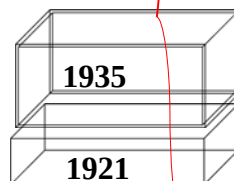
Grassy Lake
1936: 15,204 AF



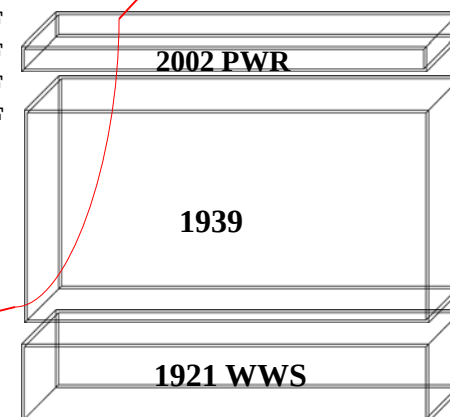
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



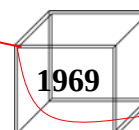
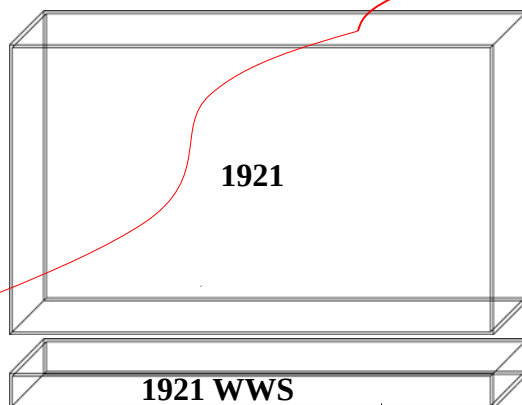
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF

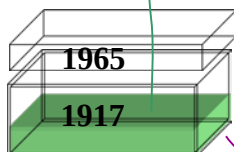


Ririe
1969: 80,500 AF

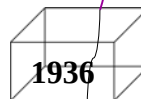
Lake Walcott
95,200 AF



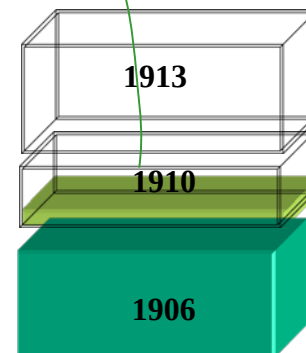
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



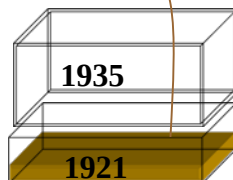
Grassy Lake
1936: 15,204 AF



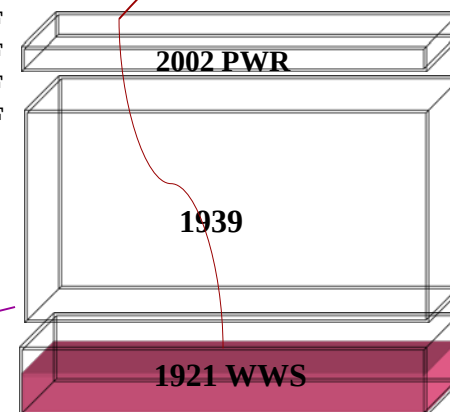
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



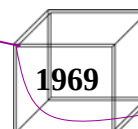
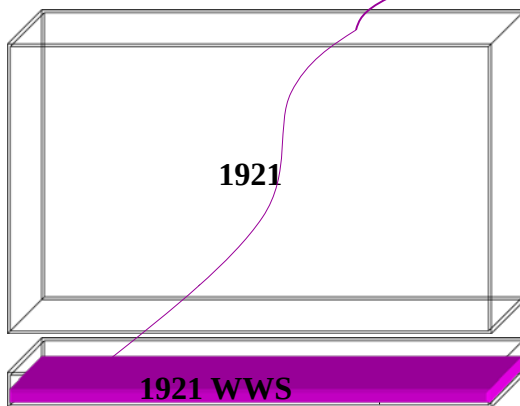
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF

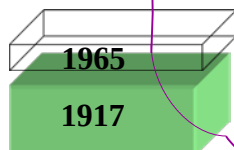


Ririe
1969: 80,500 AF

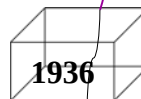
Lake Walcott
95,200 AF



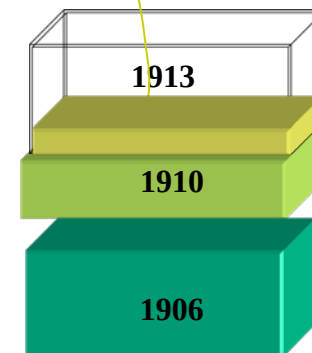
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



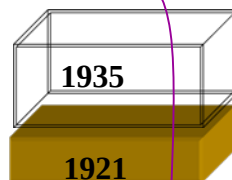
Grassy Lake
1936: 15,204 AF



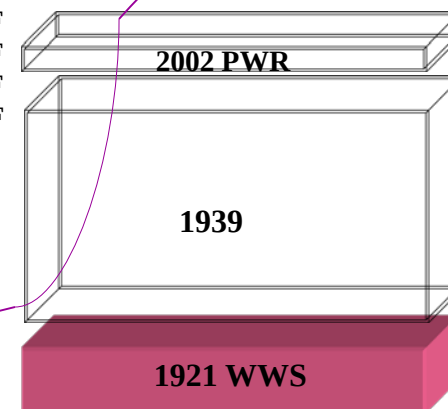
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



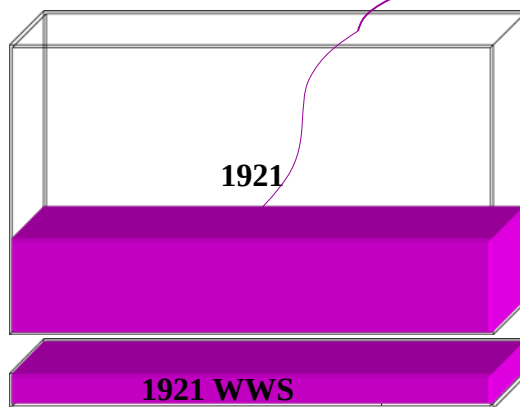
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



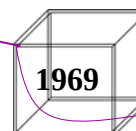
Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



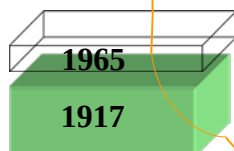
Ririe
1969: 80,500 AF



Lake Walcott
95,200 AF



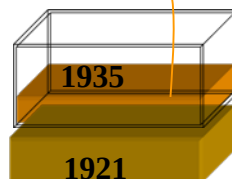
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



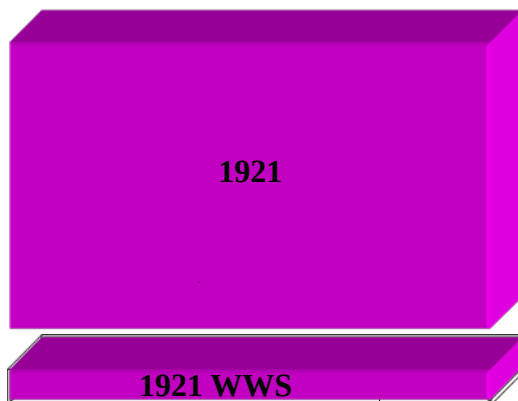
Grassy Lake
1936: 15,204 AF



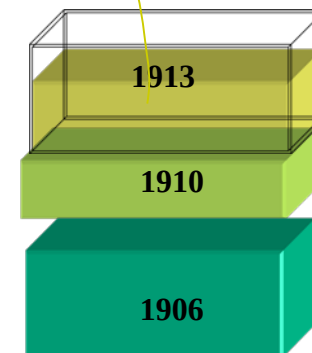
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



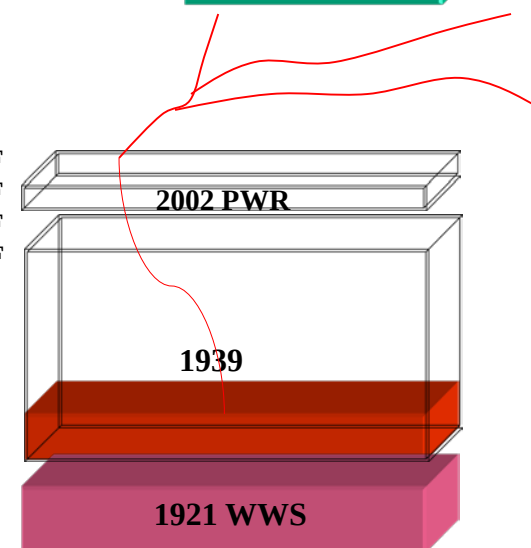
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF

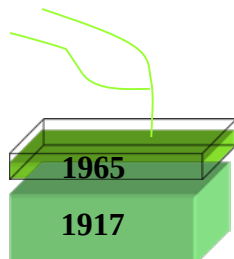


Ririe
1969: 80,500 AF

Lake Walcott
95,200 AF



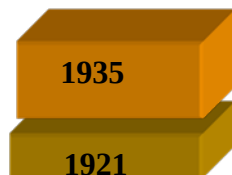
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



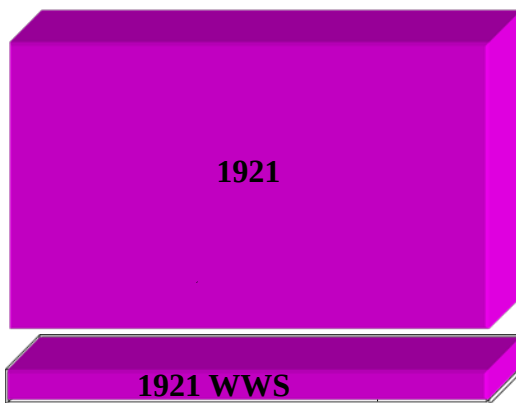
Grassy Lake
1936: 15,204 AF



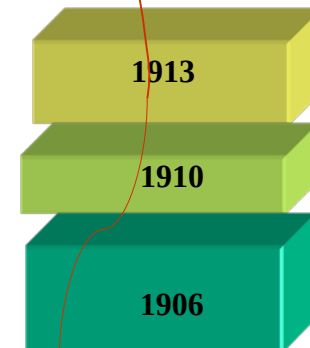
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



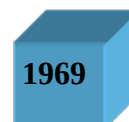
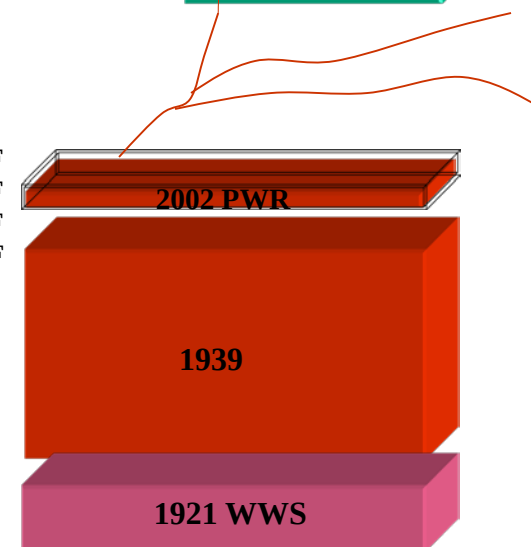
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF

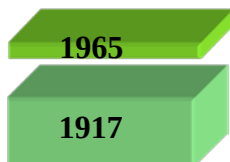


Ririe
1969: 80,500 AF

Lake Walcott
95,200 AF



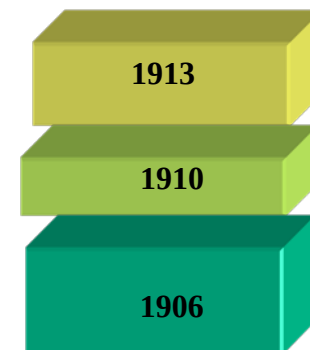
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



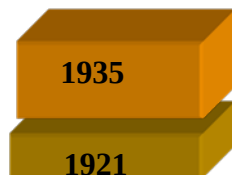
Grassy Lake
1936: 15,204 AF



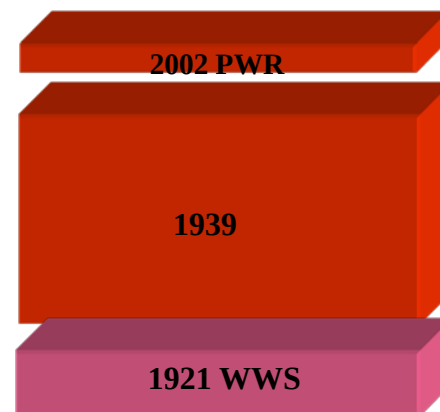
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



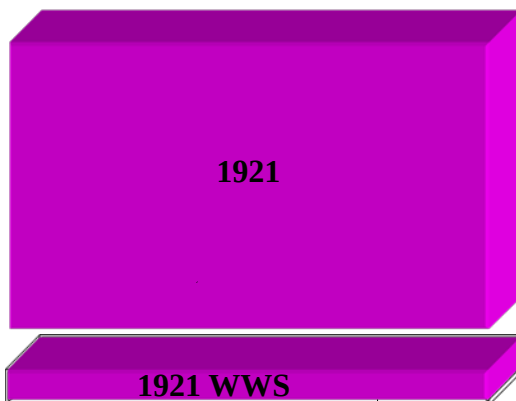
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



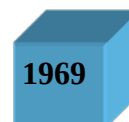
Palisades
2002: 157,000 AF
1939: 940,400 AF
1921: 259,600 AF
Total: 1,357,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



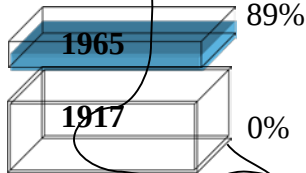
Lake Walcott
95,200 AF



Ririe
1969: 80,500 AF

**RESERVOIR WATER RIGHT ACCOUNTS
OCTOBER 12, 2003
(Filling 1896 and 1900 priorities)**

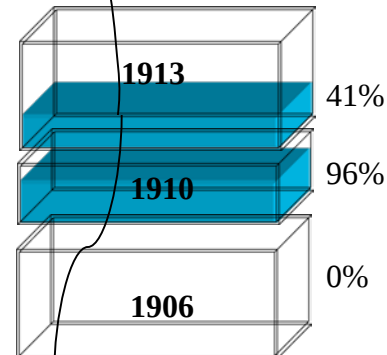
Henry's Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



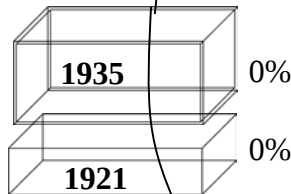
Grassy Lake
1936: 15,204 AF



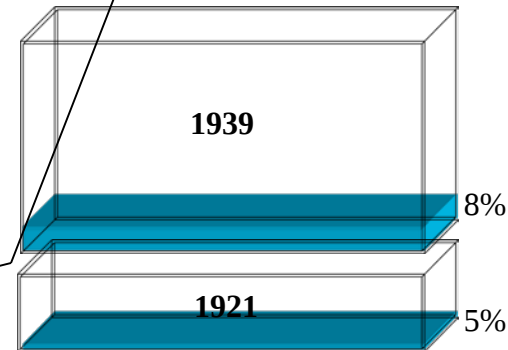
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



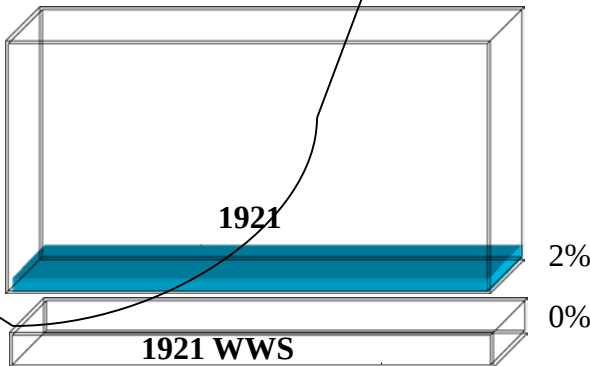
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



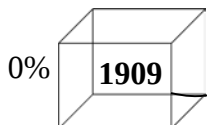
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



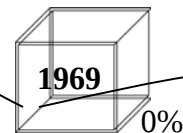
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Lake Walcott
95,200 AF

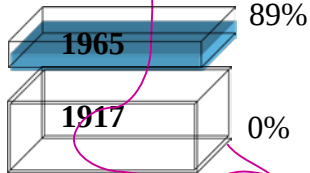


Ririe
1969: 80,500 AF

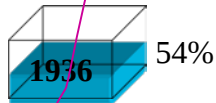


RESERVOIR WATER RIGHT ACCOUNTS
OCTOBER 13, 2003
(Filling 1906 and 1909 priorities)

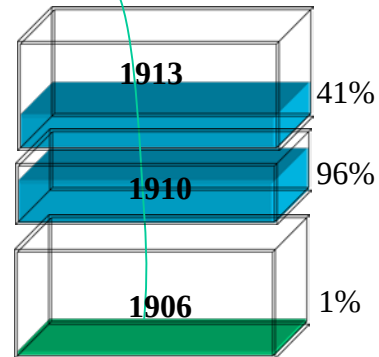
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



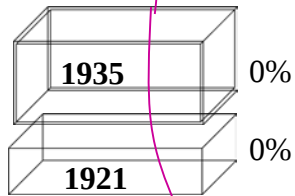
Grassy Lake
1936: 15,204 AF



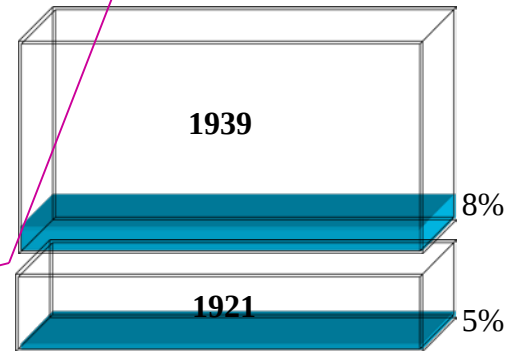
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



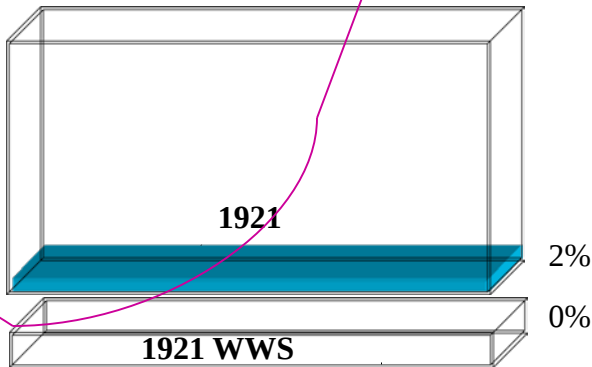
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



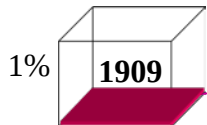
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



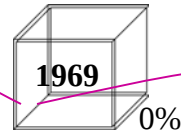
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Lake Walcott
95,200 AF

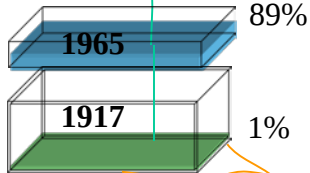


Ririe
1969: 80,500 AF

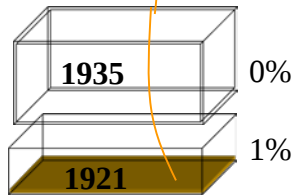


RESERVOIR WATER RIGHT ACCOUNTS
OCTOBER 20, 2003
(Filling 1921 Winter-Water-Savings priority)

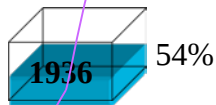
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



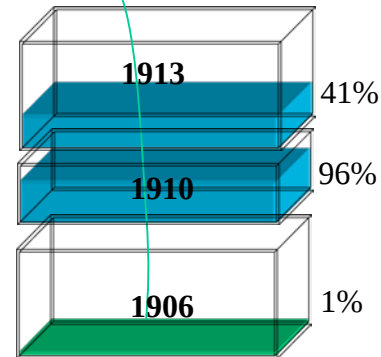
Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF



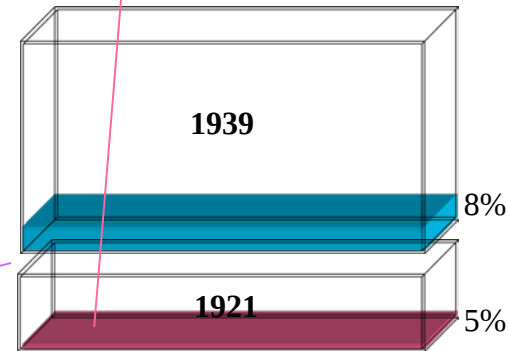
Grassy Lake
 1936: 15,204 AF



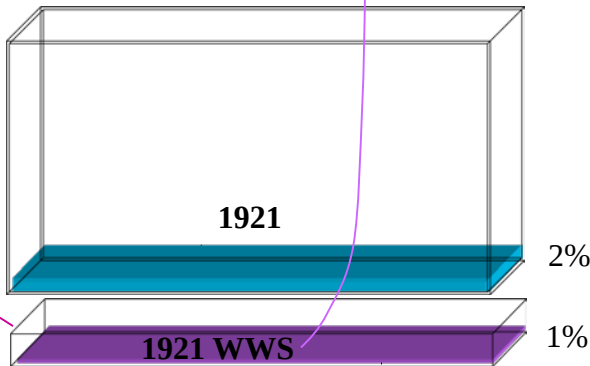
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



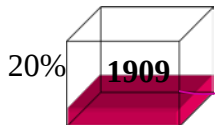
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



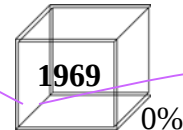
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



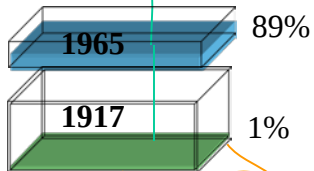
Lake Walcott
 95,200 AF *Limited to 2,500 cfs



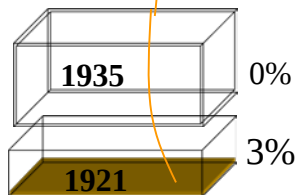
Ririe
 1969: 80,500 AF



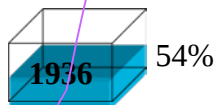
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



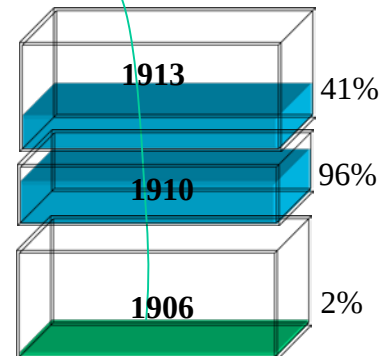
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



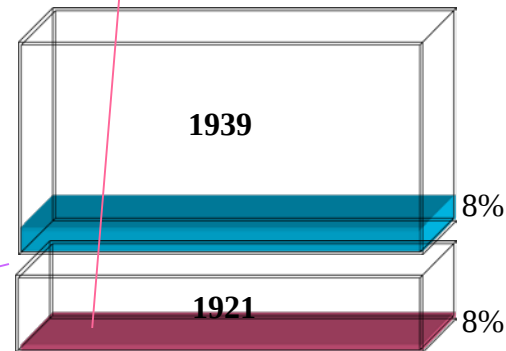
Grassy Lake
1936: 15,204 AF



Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF

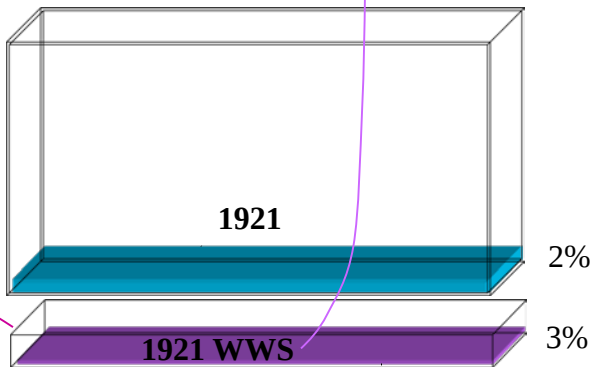


Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF

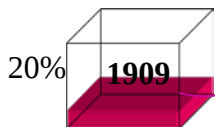


RESERVOIR WATER RIGHT ACCOUNTS
OCTOBER 31, 2003
Last day of Irrigation Season
(Filling 1921 Winter-Water-Savings priority)

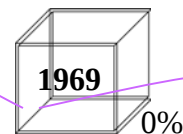
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Lake Walcott
95,200 AF *Limited to 2,500 cfs



Ririe
1969: 80,500 AF



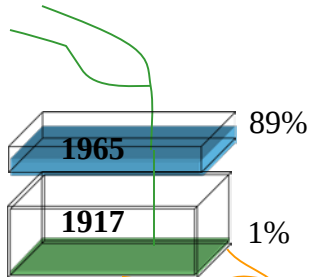
2003 Water Right Carryover vs. Physical Contents

October 31, 2003

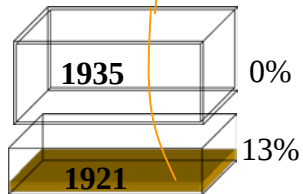
Reservoir	Water Right Carryover + Late-Season Fill (Ac-Ft)	Physical Contents (Ac-Ft)	Difference (Ac-Ft)
Jackson Lake	307,689	114,227	-193,462
Palisades	90,613	47,012	-43,601
Henrys Lake	9,532	62,866	53,334
Island Park	1,291	28,527	27,236
Grassy Lake	8,224	9,002	778
Ririe	0	25,343	25,343
American Falls	33,295	165,136	133,841
Lake Walcott	42,635	24,155	-18,480
Other (Milner)	13,997	30,128	17,011
TOTAL	507,276	507,276	0

RESERVOIR WATER RIGHT ACCOUNTS
NOVEMBER 11, 2003
(Walcott Filled – Filling 1921 WWS)

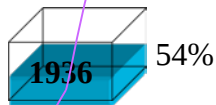
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



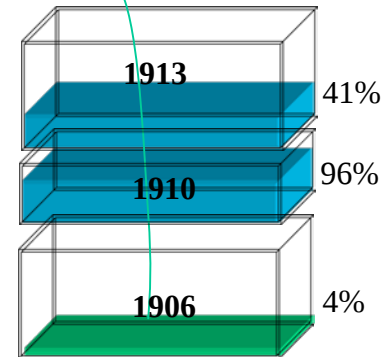
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



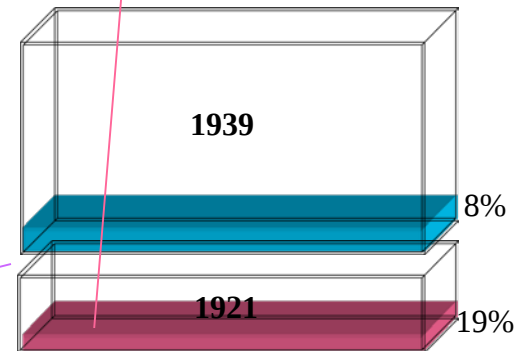
Grassy Lake
1936: 15,204 AF



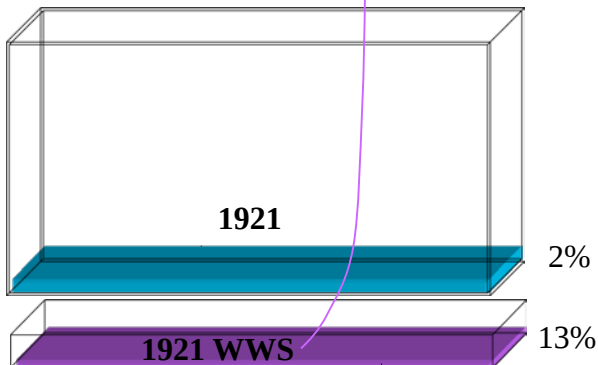
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



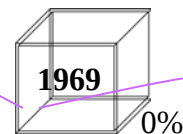
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



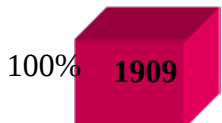
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

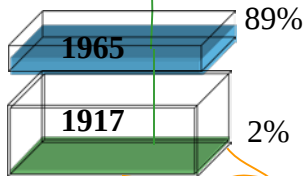


Lake Walcott
95,200 AF

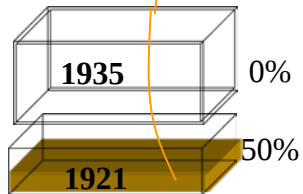


**RESERVOIR WATER RIGHT ACCOUNTS
DECEMBER 6, 2003
(Amer Falls WWS Filled – Filling 1921)**

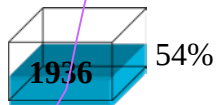
Henry's Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



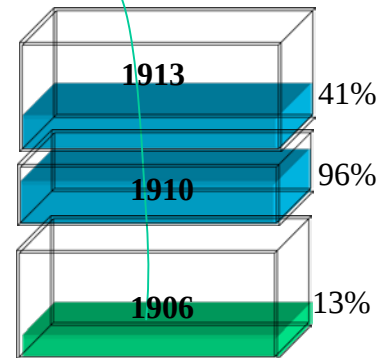
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



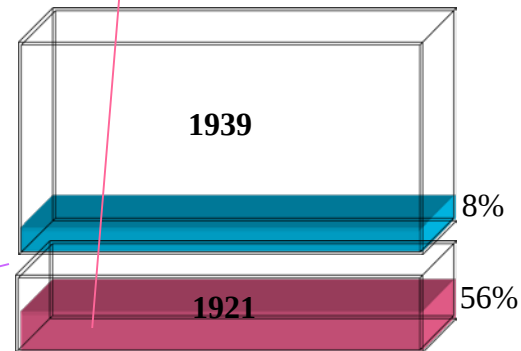
Grassy Lake
1936: 15,204 AF



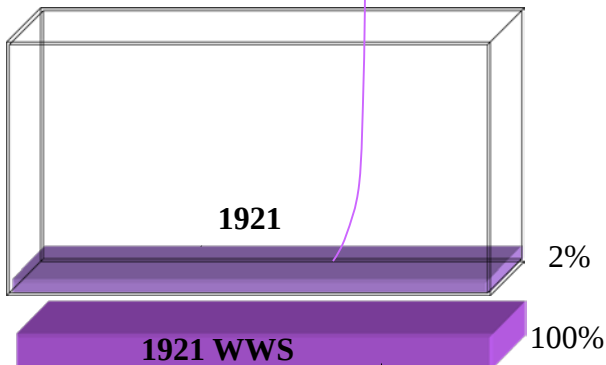
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



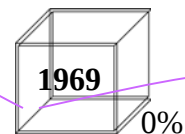
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



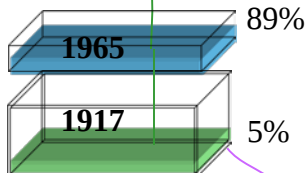
Lake Walcott
95,200 AF



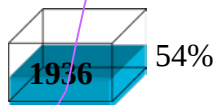
Ririe
1969: 80,500 AF



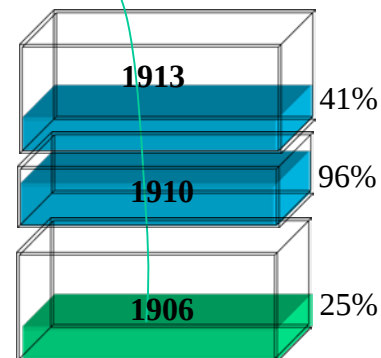
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



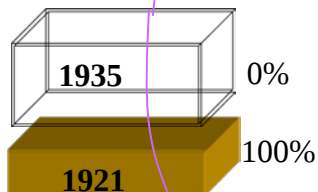
Grassy Lake
1936: 15,204 AF



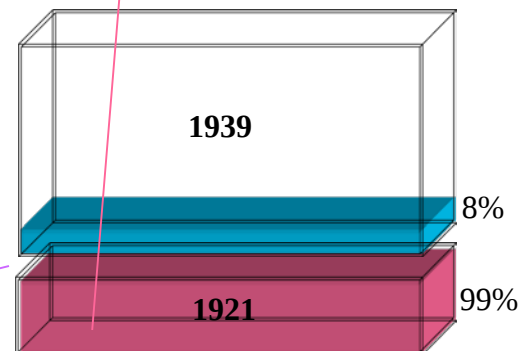
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF

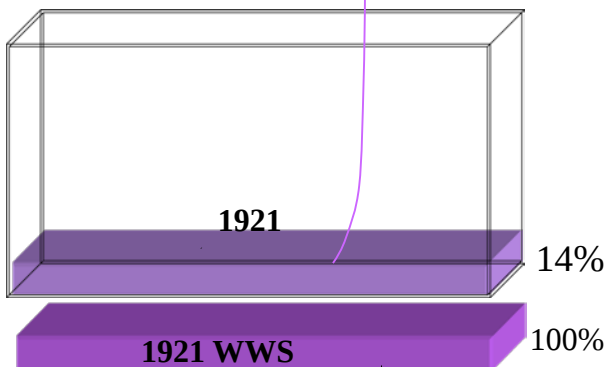


Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF

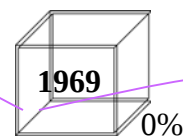


RESERVOIR WATER RIGHT ACCOUNTS
JANUARY 8, 2004
(Island Park 1921 Filled – Filling 1921)

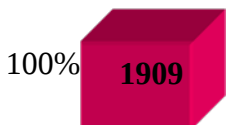
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

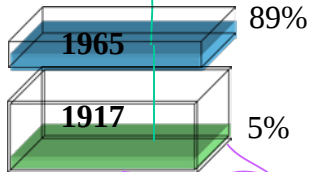


Lake Walcott
95,200 AF

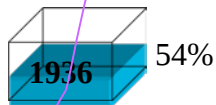


RESERVOIR WATER RIGHT ACCOUNTS
JANUARY 9, 2004
(Palisades 1921 Filled – Filling 1921)

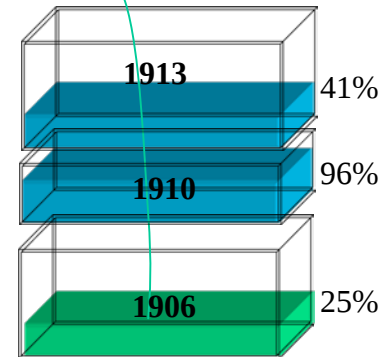
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



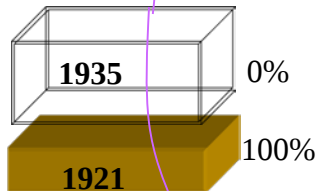
Grassy Lake
1936: 15,204 AF



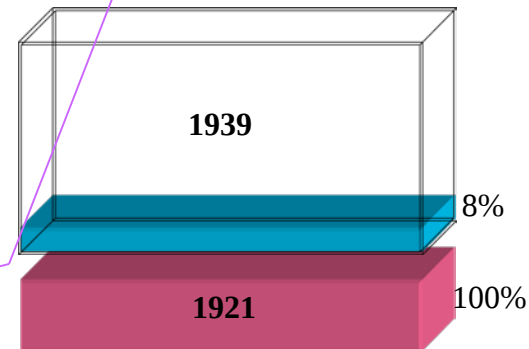
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



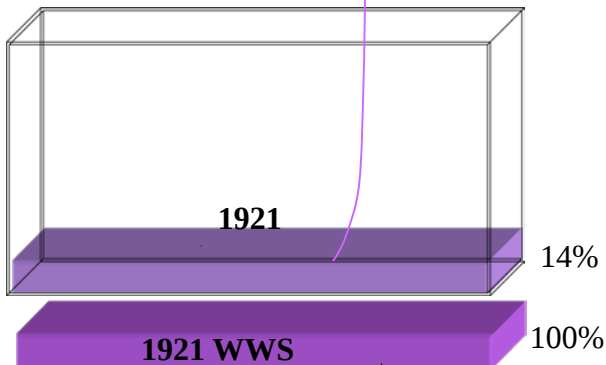
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



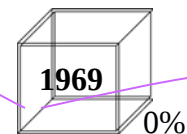
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

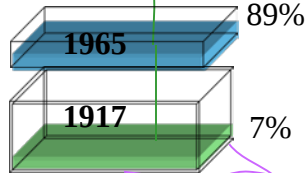


Lake Walcott
95,200 AF

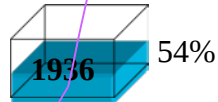


**RESERVOIR WATER RIGHT ACCOUNTS
FEBRUARY 1, 2004
(Filling 1921 Priority)**

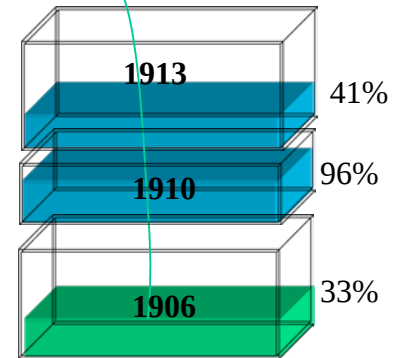
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



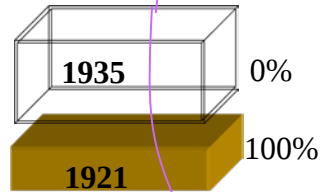
Grassy Lake
1936: 15,204 AF



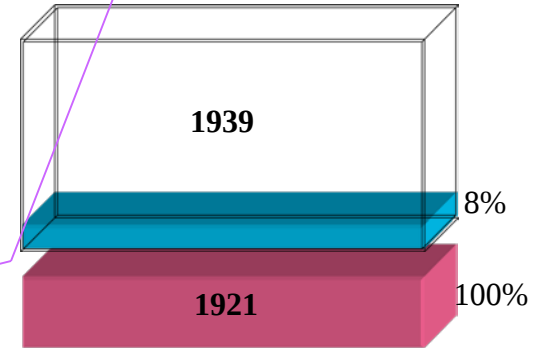
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



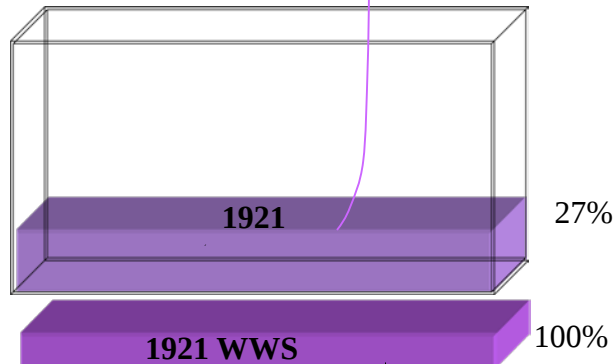
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



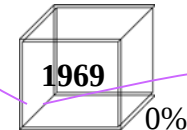
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

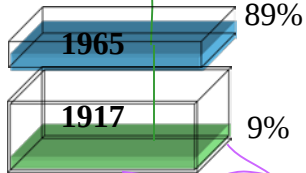


Lake Walcott
95,200 AF

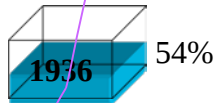


RESERVOIR WATER RIGHT ACCOUNTS
MARCH 1, 2004
(Filling 1921 Priority)

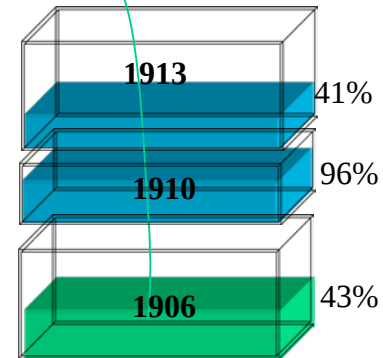
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



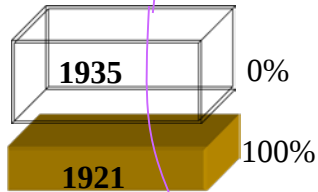
Grassy Lake
1936: 15,204 AF



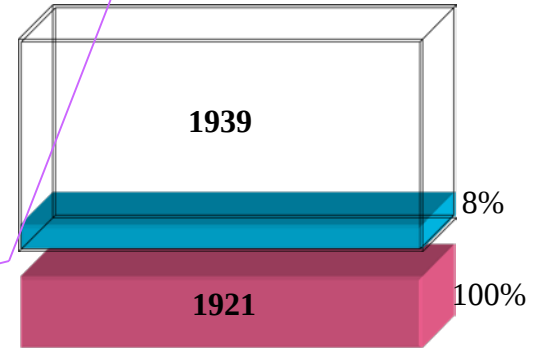
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



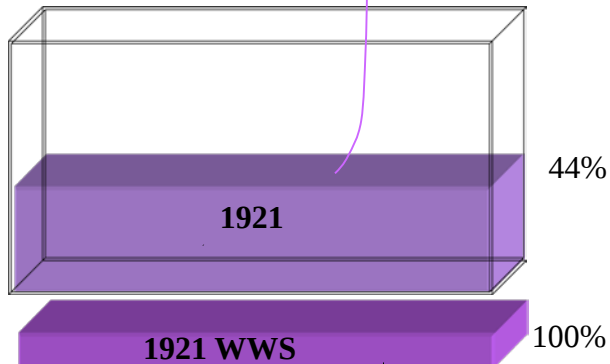
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



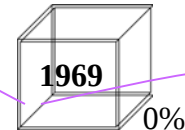
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



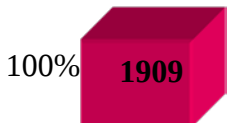
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

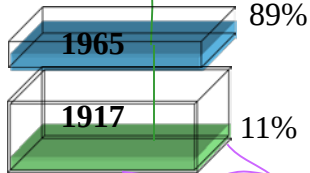


Lake Walcott
95,200 AF

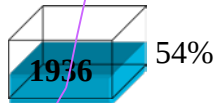


RESERVOIR WATER RIGHT ACCOUNTS
APRIL 1, 2004
(Filling 1921 Priority)

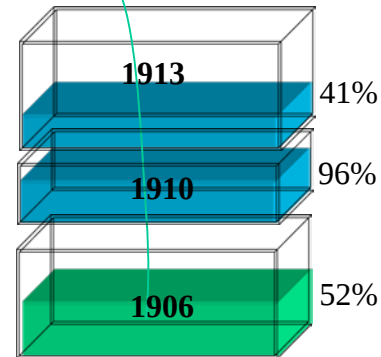
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



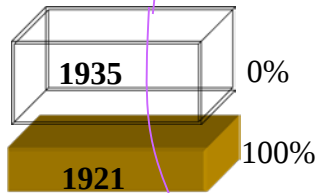
Grassy Lake
1936: 15,204 AF



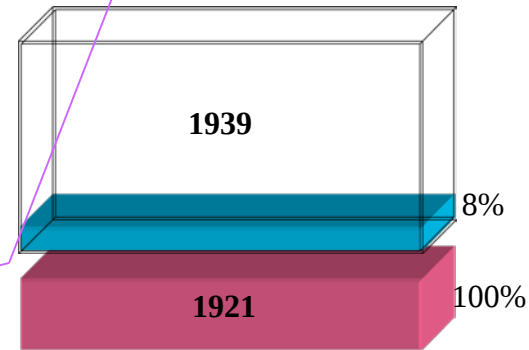
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



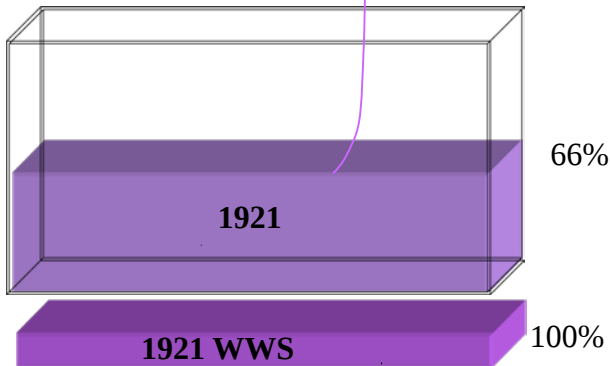
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



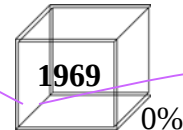
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



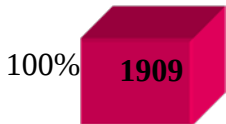
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



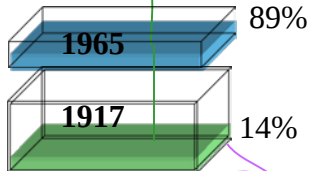
Ririe
1969: 80,500 AF



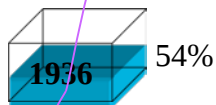
Lake Walcott
95,200 AF



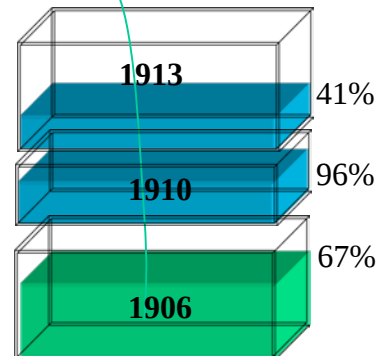
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



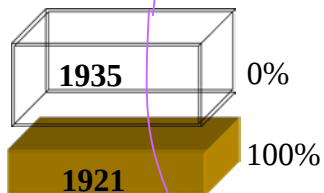
Grassy Lake
1936: 15,204 AF



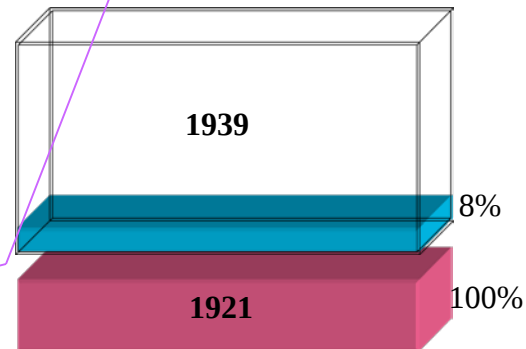
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF

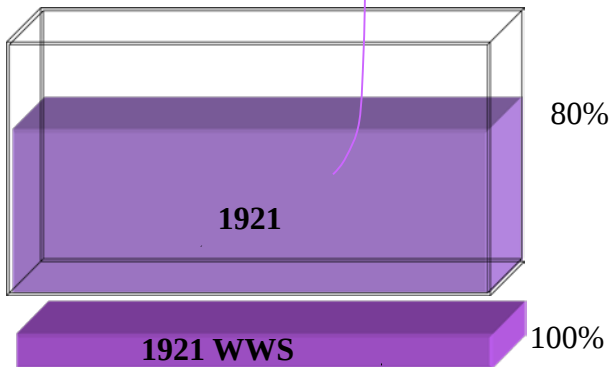


Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF

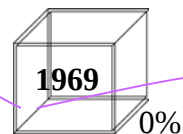


RESERVOIR WATER RIGHT ACCOUNTS
APRIL 21, 2004
(Day of Maximum Physical Contents)
Filling 1921 Priority

American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



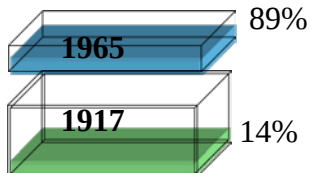
Ririe
1969: 80,500 AF



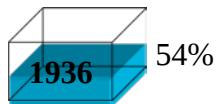
Lake Walcott
95,200 AF



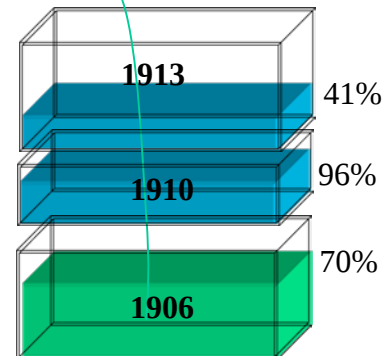
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



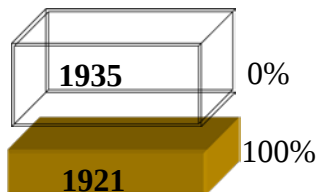
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF

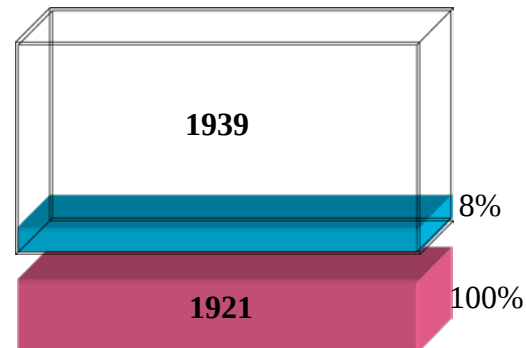


Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

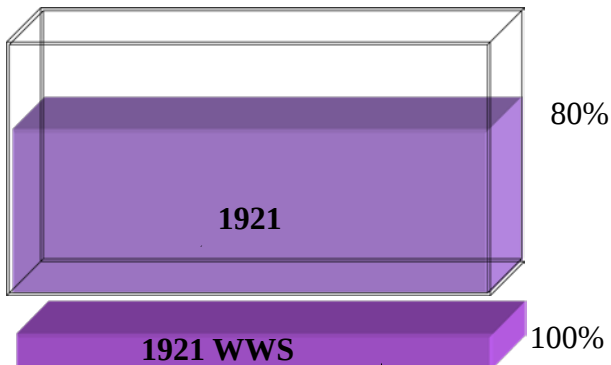


RESERVOIR WATER RIGHT ACCOUNTS
APRIL 23, 2004
Filling 1906 Priority

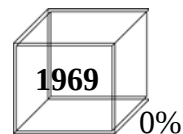
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



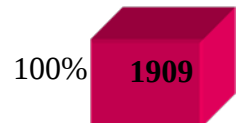
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



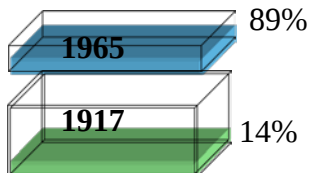
Ririe
 1969: 80,500 AF



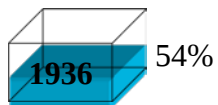
Lake Walcott
 95,200 AF



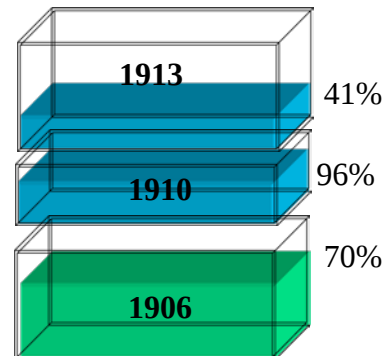
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



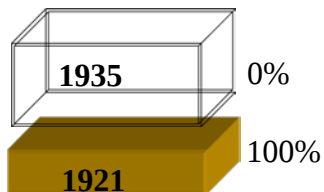
Grassy Lake
 1936: 15,204 AF



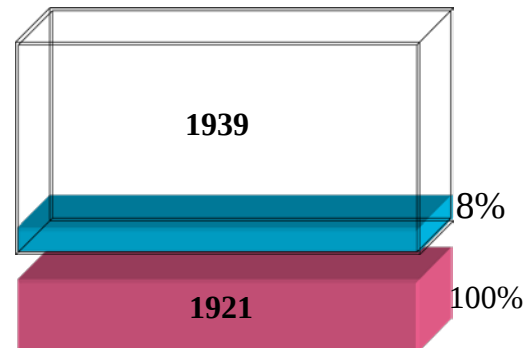
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

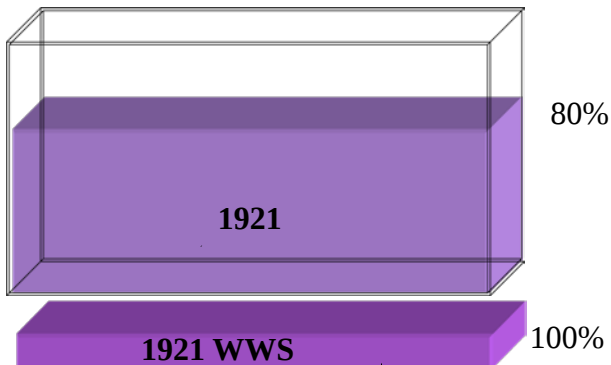


Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF

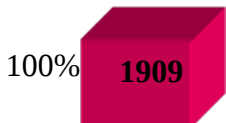


RESERVOIR WATER RIGHT ACCOUNTS
APRIL 27, 2004
Filling 1905 Priority

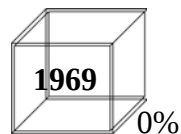
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



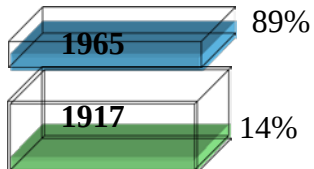
Lake Walcott
 95,200 AF



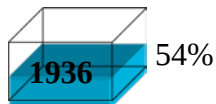
Ririe
 1969: 80,500 AF



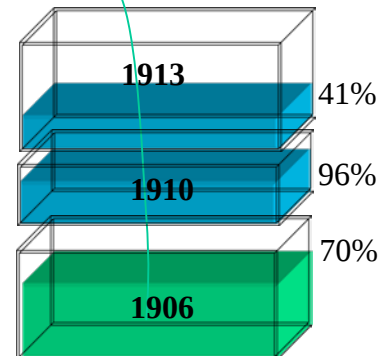
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



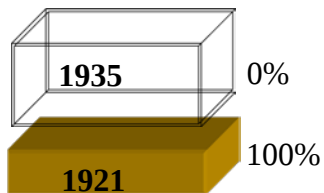
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF

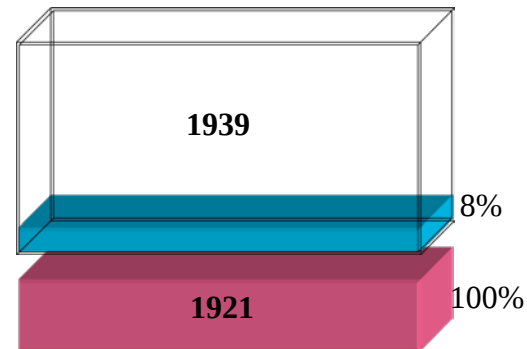


Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

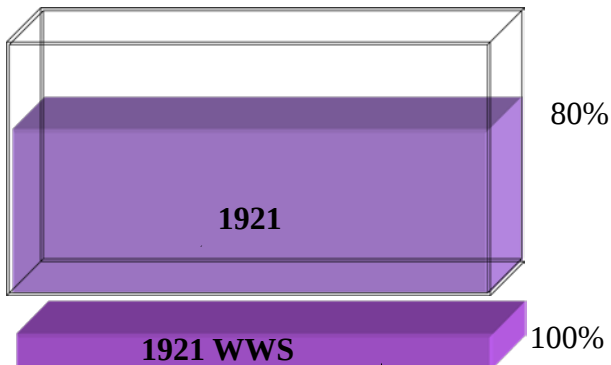


RESERVOIR WATER RIGHT ACCOUNTS
 May 11, 2004
 Filling 1906 Priority

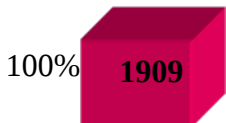
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



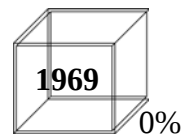
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



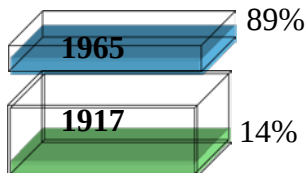
Lake Walcott
 95,200 AF



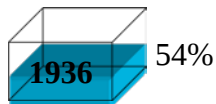
Ririe
 1969: 80,500 AF



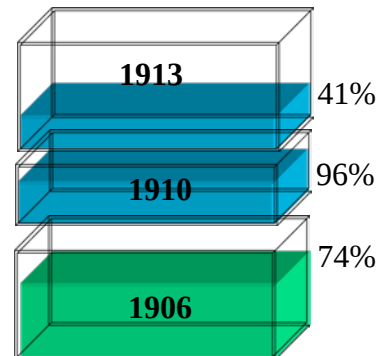
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



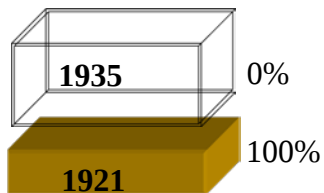
Grassy Lake
1936: 15,204 AF



Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF

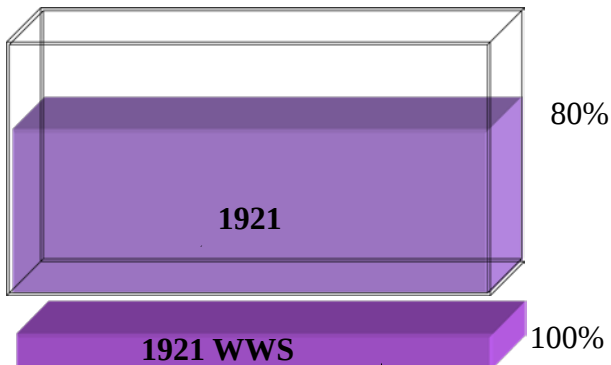


RESERVOIR WATER RIGHT ACCOUNTS

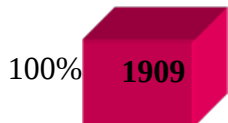
May 18, 2004

Filling 1905 Priority

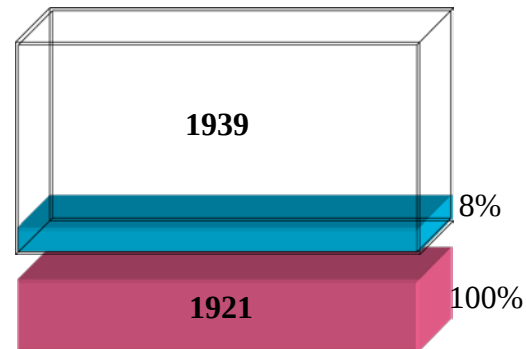
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



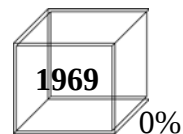
Lake Walcott
95,200 AF



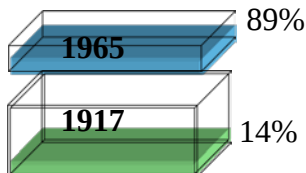
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



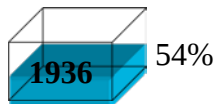
Ririe
1969: 80,500 AF



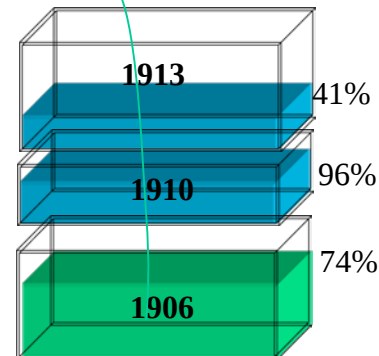
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



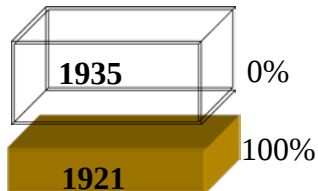
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

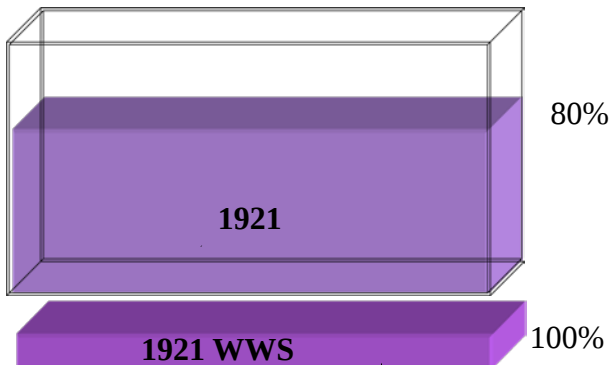


RESERVOIR WATER RIGHT ACCOUNTS

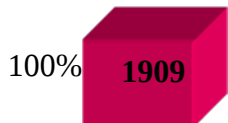
June 2, 2004

Filling 1906 Priority

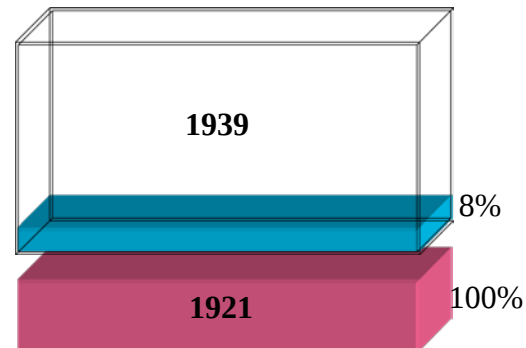
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



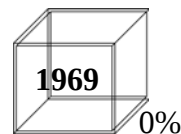
Lake Walcott
 95,200 AF



Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF

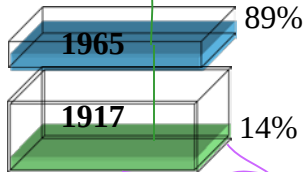


Ririe
 1969: 80,500 AF

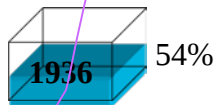


RESERVOIR WATER RIGHT ACCOUNTS
June 3, 2004
Filling 1921 Priority

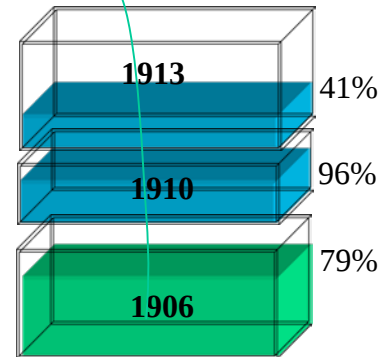
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



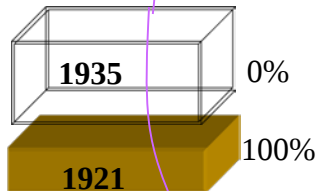
Grassy Lake
1936: 15,204 AF



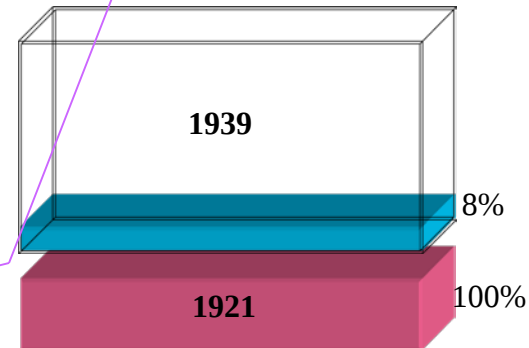
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



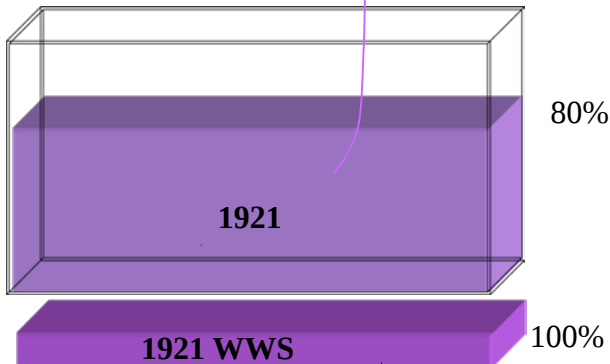
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



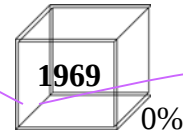
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



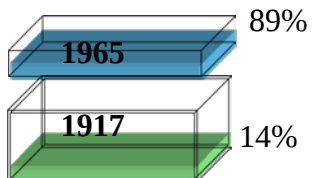
Ririe
1969: 80,500 AF



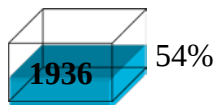
Lake Walcott
95,200 AF



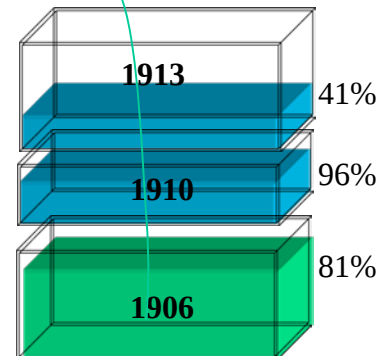
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



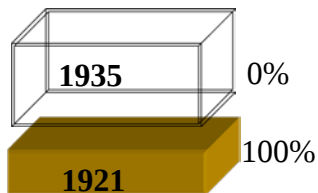
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

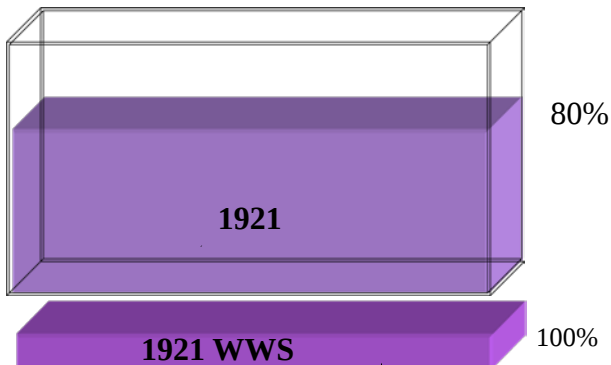


RESERVOIR WATER RIGHT ACCOUNTS

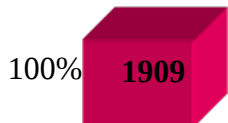
June 4, 2004

Filling 1906 Priority

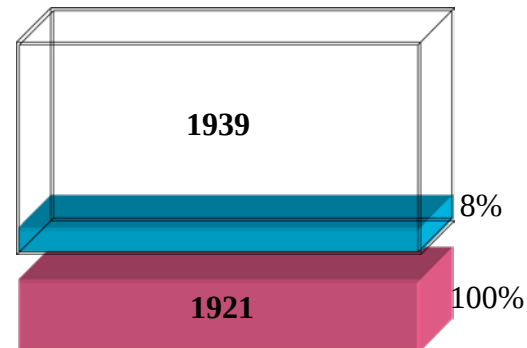
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



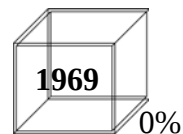
Lake Walcott
 95,200 AF



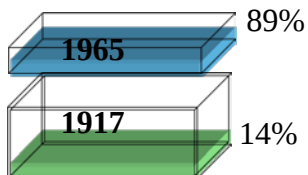
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



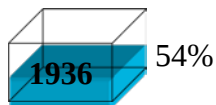
Ririe
 1969: 80,500 AF



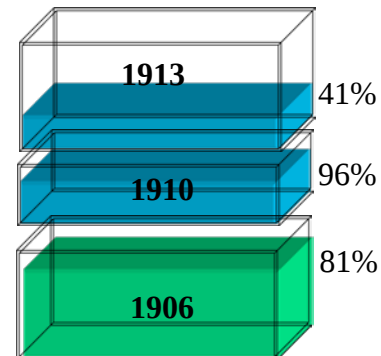
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



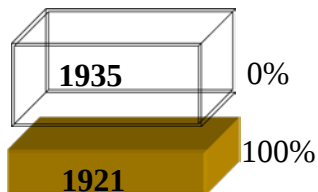
Grassy Lake
 1936: 15,204 AF



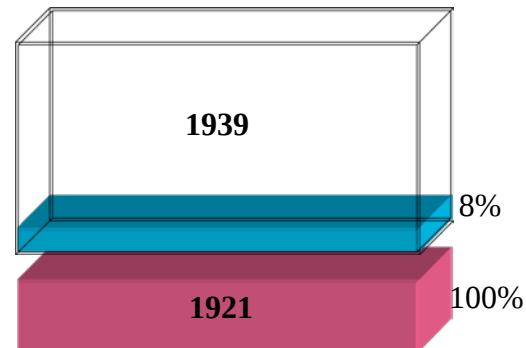
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

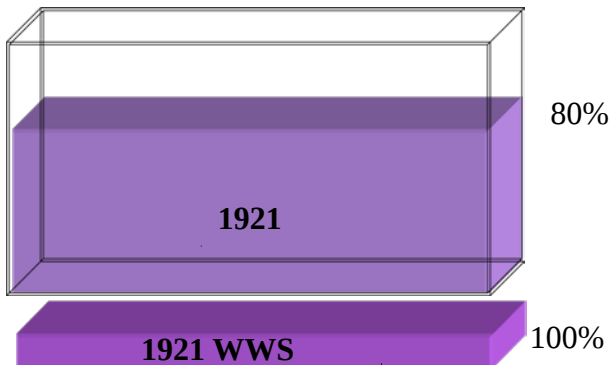


Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF

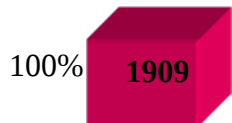


RESERVOIR WATER RIGHT ACCOUNTS
June 9, 2004
Filling 1905 Priority

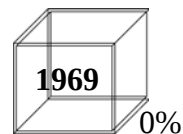
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



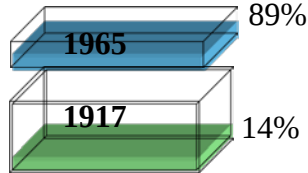
Lake Walcott
 95,200 AF



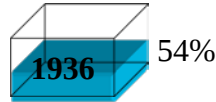
Ririe
 1969: 80,500 AF



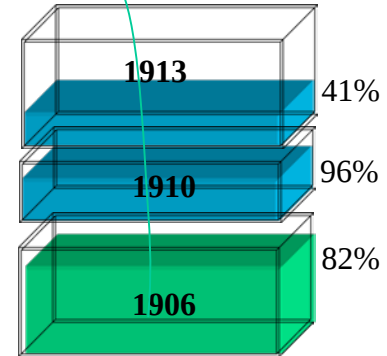
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



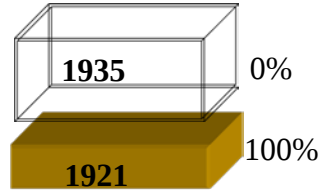
Grassy Lake
1936: 15,204 AF



Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF

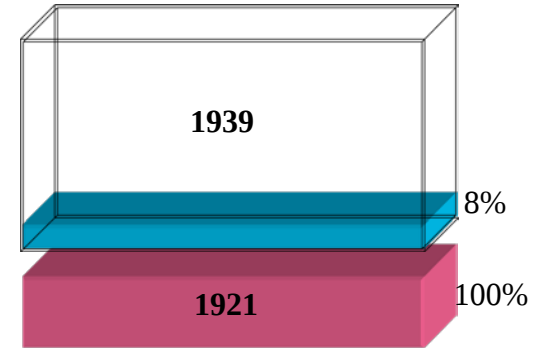


Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF

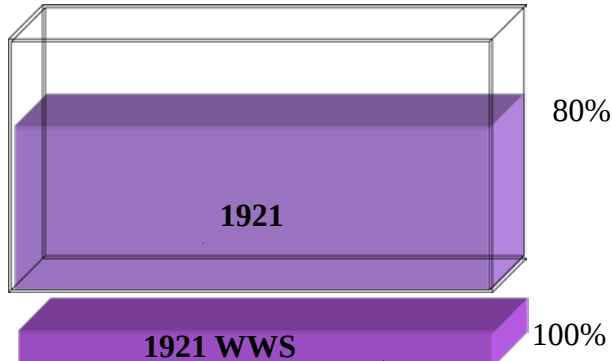


RESERVOIR WATER RIGHT ACCOUNTS
June 10, 2004
Filling 1906 Priority

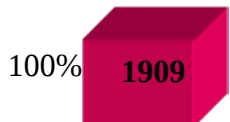
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



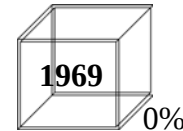
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Lake Walcott
95,200 AF

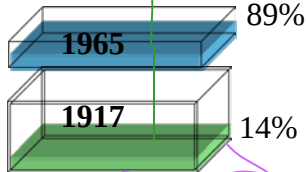


Ririe
1969: 80,500 AF

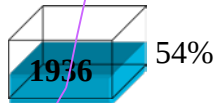


RESERVOIR WATER RIGHT ACCOUNTS
June 15, 2004
Filling 1921 Priority

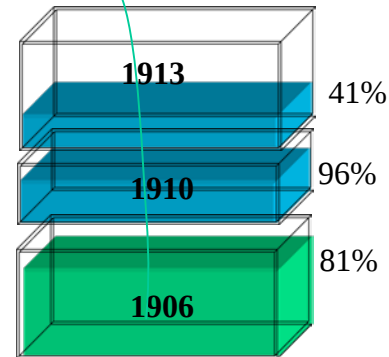
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



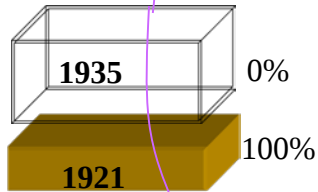
Grassy Lake
1936: 15,204 AF



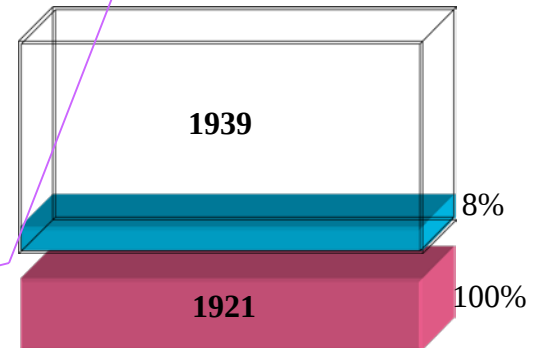
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



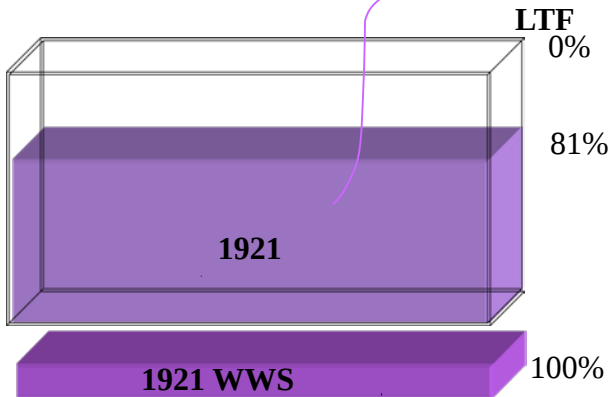
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF

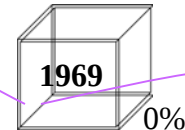


LTF
0%

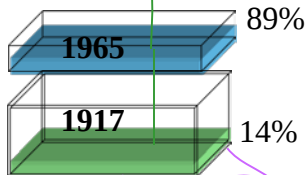
Lake Walcott
95,200 AF



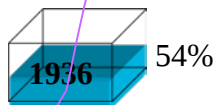
Ririe
1969: 80,500 AF



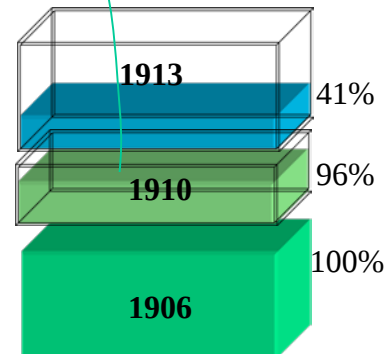
Henrys Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



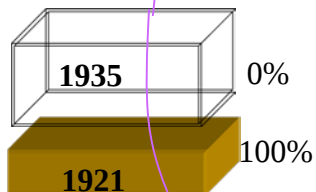
Grassy Lake
1936: 15,204 AF



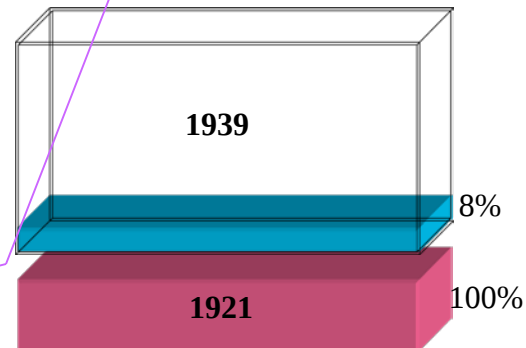
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF

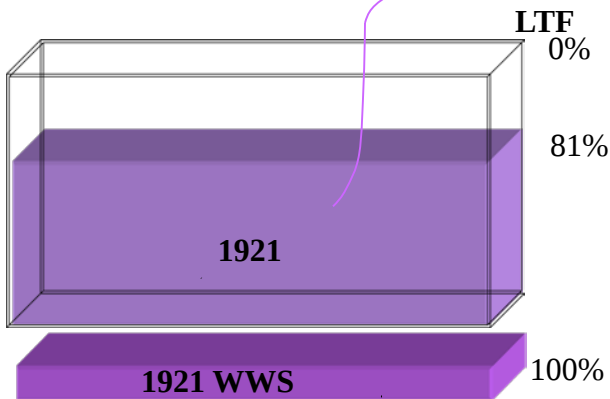


Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



RESERVOIR WATER RIGHT ACCOUNTS
June 16, 2004
Jackson-1906 Filled - Filling 1921 Priority

American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF

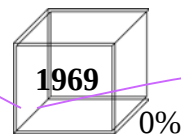


LTF
0%

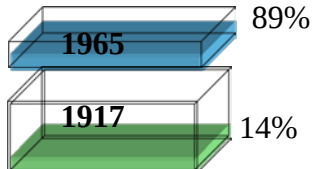
Lake Walcott
95,200 AF



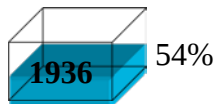
Ririe
1969: 80,500 AF



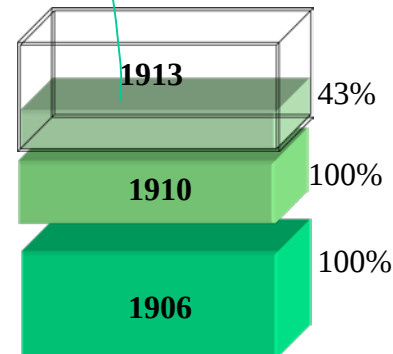
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



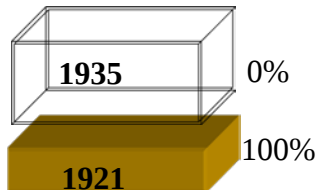
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF

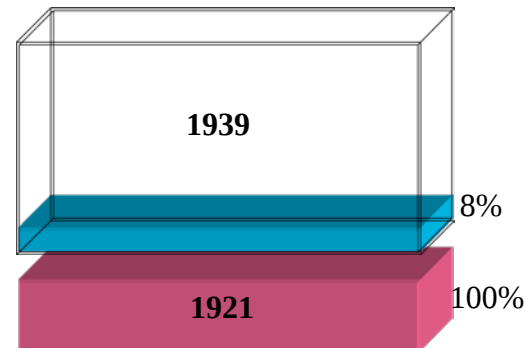


Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

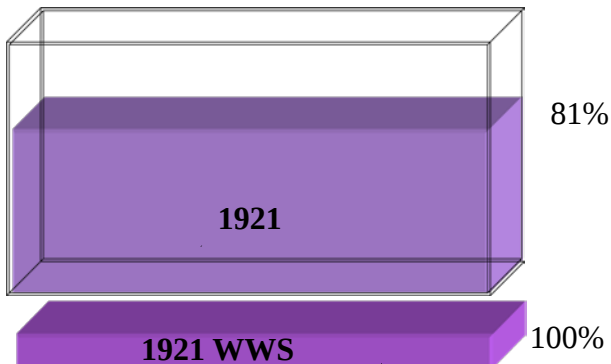


RESERVOIR WATER RIGHT ACCOUNTS
June 17, 2004
Jackson-1910 Filled - Filling 1913 Priority

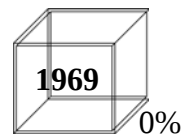
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



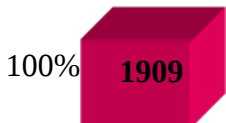
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



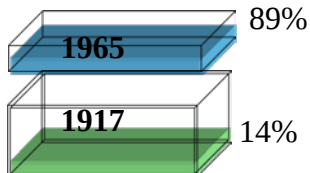
Ririe
 1969: 80,500 AF



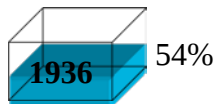
Lake Walcott
 95,200 AF



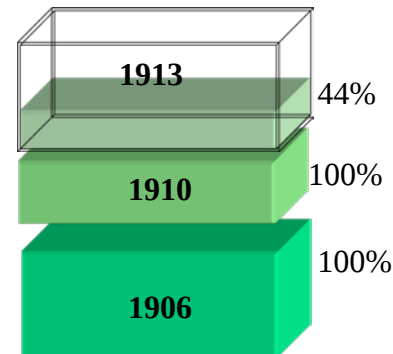
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



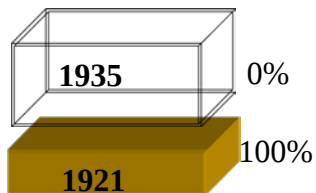
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF

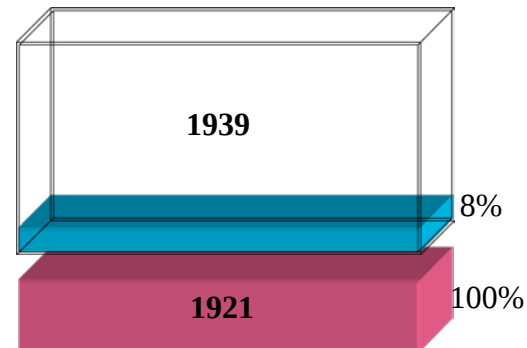


Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

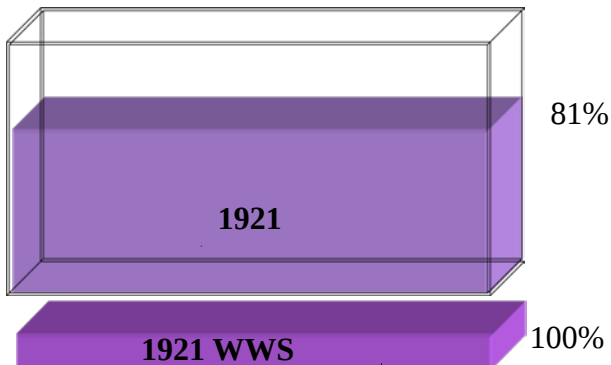


RESERVOIR WATER RIGHT ACCOUNTS
June 18, 2004
Last Day of Accrual – Filling 1913 Priority
Day of Maximum Storage Accrual

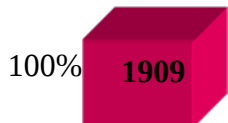
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



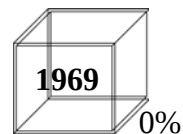
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



Lake Walcott
 95,200 AF



Ririe
 1969: 80,500 AF

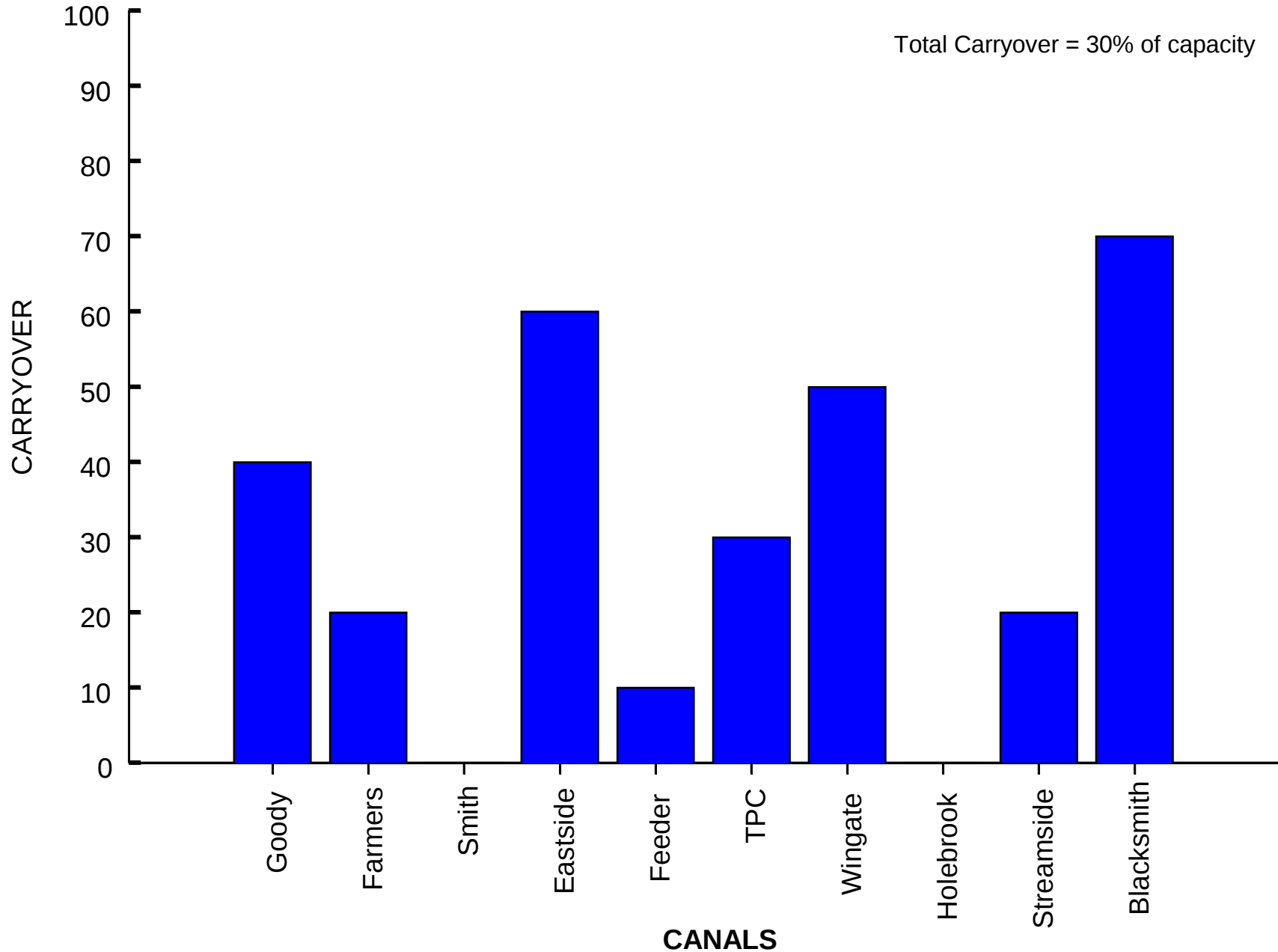


2004 Water Right Storage Fill vs. Physical Contents

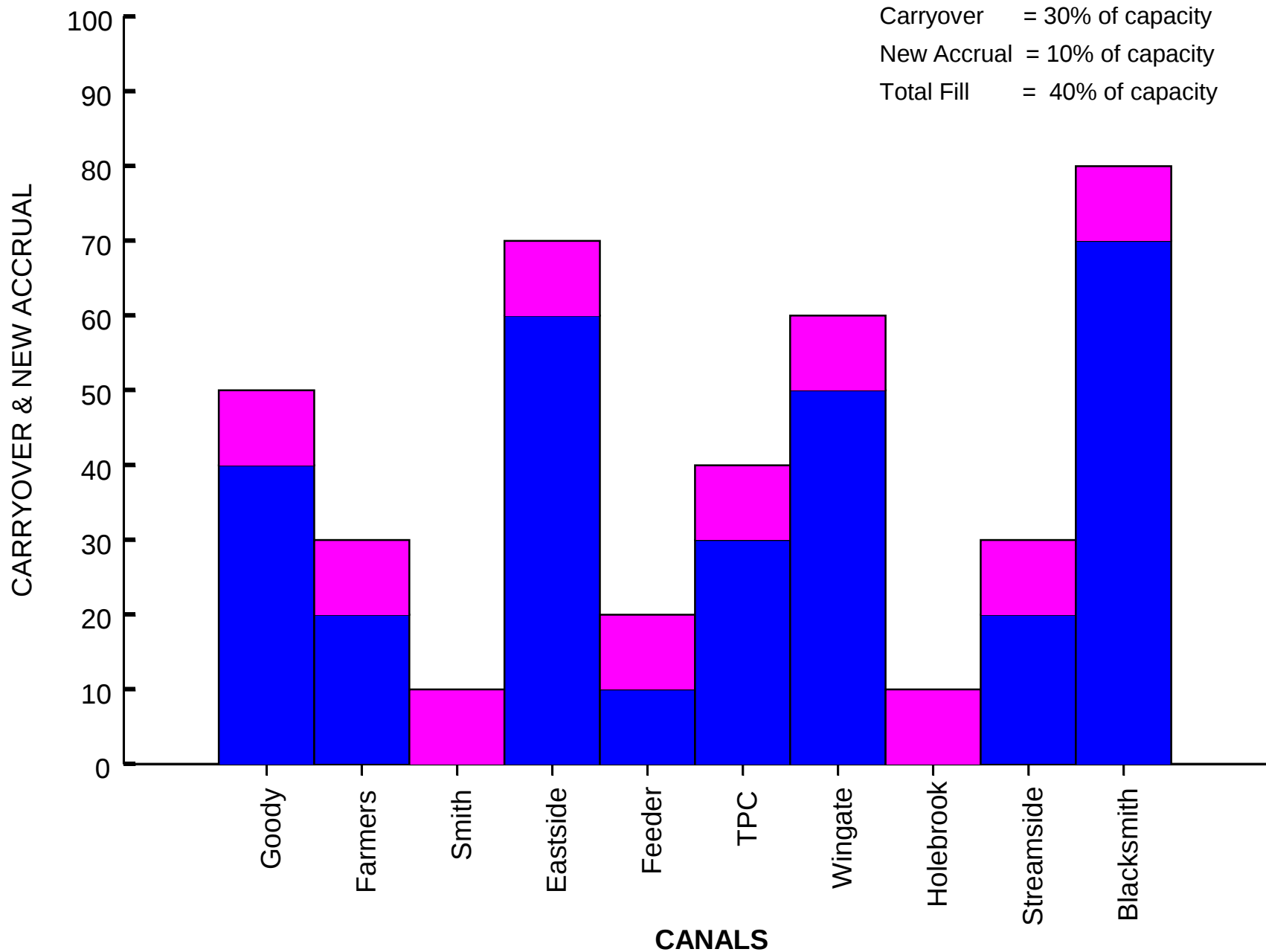
June 18, 2004 (Day of maximum accrual)

Reservoir	Water Right Fill (Ac-Ft)	Physical Contents (Ac-Ft)	Difference (Ac-Ft)
Jackson Lake	616,928	389,146	-227,782
Palisades	326,120	383,626	57,506
Henrys Lake	20,923	78,296	57,373
Island Park	45,000	127,621	82,621
Grassy Lake	8,224	8,302	78
Ririe	0	46,568	46,568
American Falls	1,339,765	905,629	-434,136
Lake Walcott	95,200	95,236	36
Other (Milner)	13,919	36,255	22,336
Storage Used	- 395,400	-	395,400
TOTAL	2,070,679	2,070,679	0

RESERVOIR WATER RIGHT ACCRUAL



RESERVOIR WATER RIGHT ACCRUAL

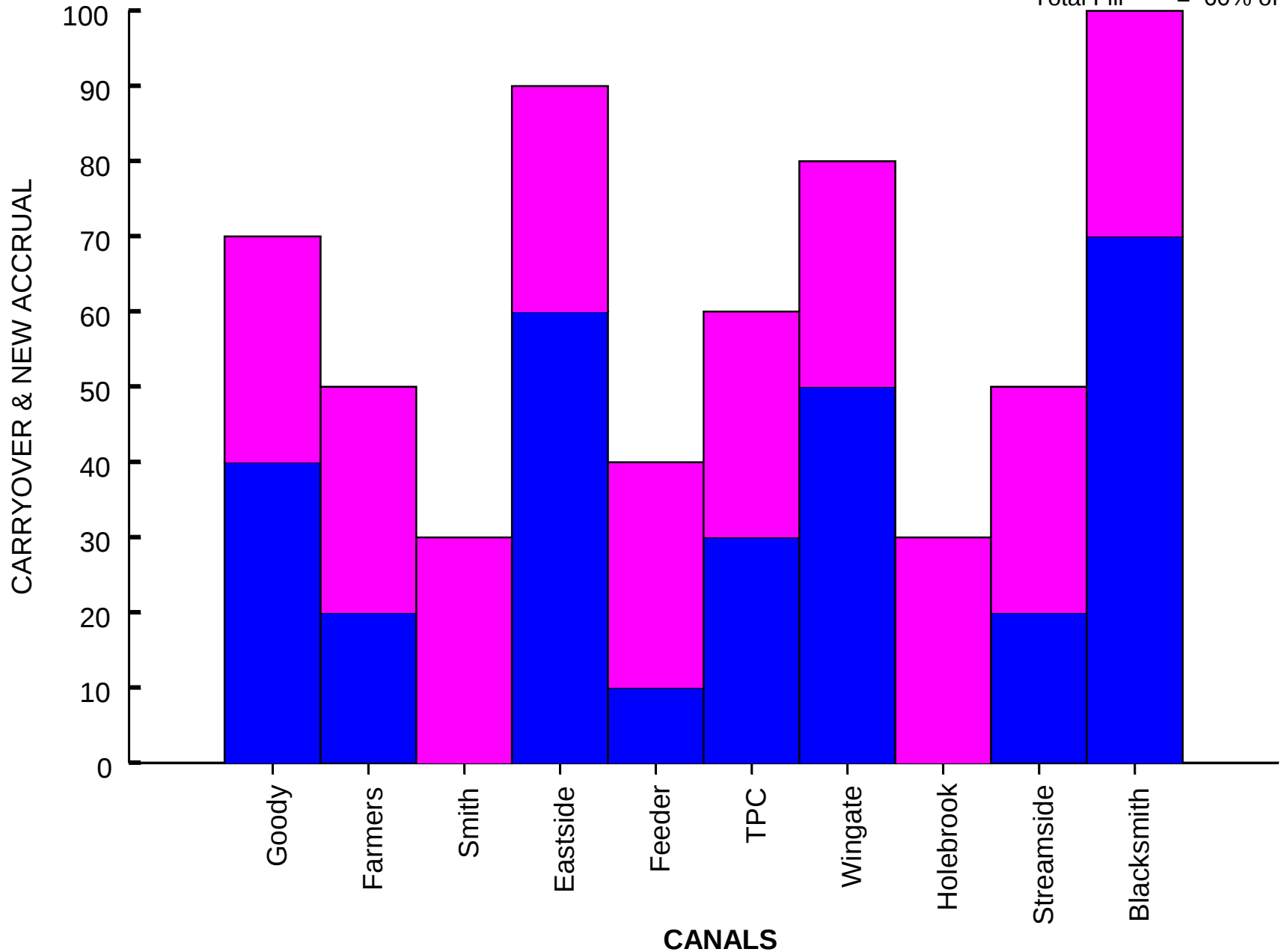


RESERVOIR WATER RIGHT ACCRUAL

Carryover = 30% of capacity

New Accrual = 30% of capacity

Total Fill = 60% of capacity

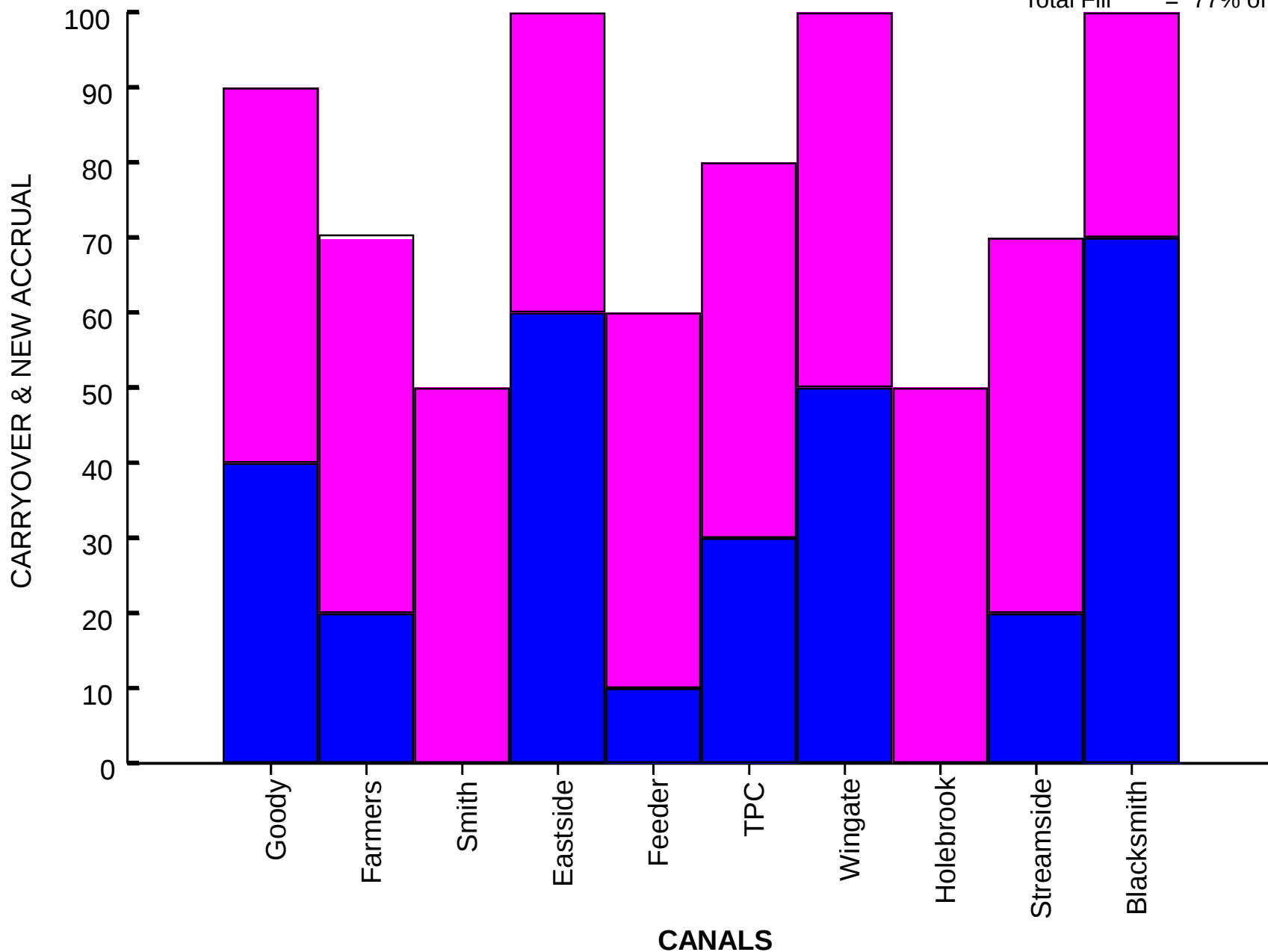


RESERVOIR WATER RIGHT ACCRUAL

Carryover = 30% of capacity

New Accrual = 47% of capacity

Total Fill = 77% of capacity

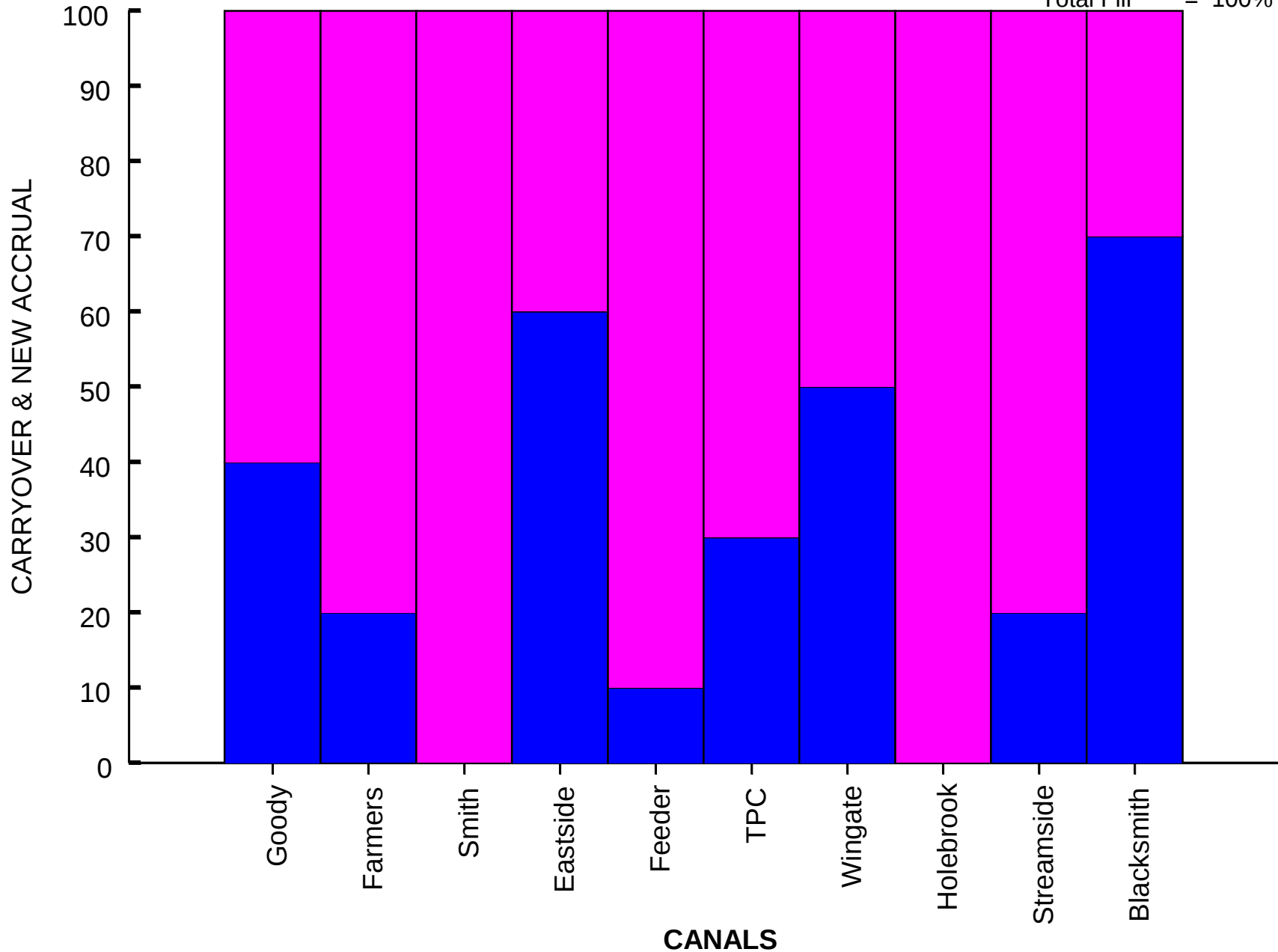


RESERVOIR WATER RIGHT ACCRUAL

Carryover = 30% of capacity

New Accrual = 70% of capacity

Total Fill = 100% of capacity



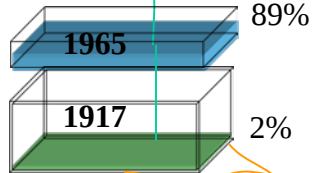
2004 Water Right Carryover vs. Physical Contents

October 31, 2004

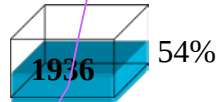
Reservoir	Water Right Carryover + Late-Season Fill (Ac-Ft)	Physical Contents (Ac-Ft)	Difference (Ac-Ft)
Jackson Lake	316,296	92,829	-223,467
Palisades	108,412	108,431	19
Henrys Lake	11,341	59,720	48,379
Island Park	22,606	45,971	23,365
Grassy Lake	8,224	8,160	-64
Ririe	0	26,847	26,847
American Falls	111,703	251,000	139,297
Lake Walcott	41,649	15,270	-26,379
Other (Milner)	16,197	28,200	12,003
TOTAL	636,428	636,428	0

RESERVOIR WATER RIGHT ACCOUNTS
NOVEMBER 1, 2004
(Filling 1921 Winter-Water-Savings priority)

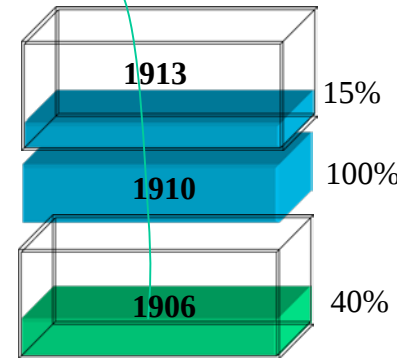
Henry's Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



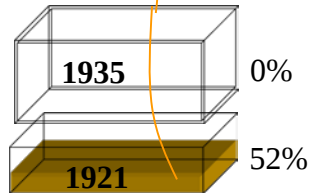
Grassy Lake
 1936: 15,204 AF



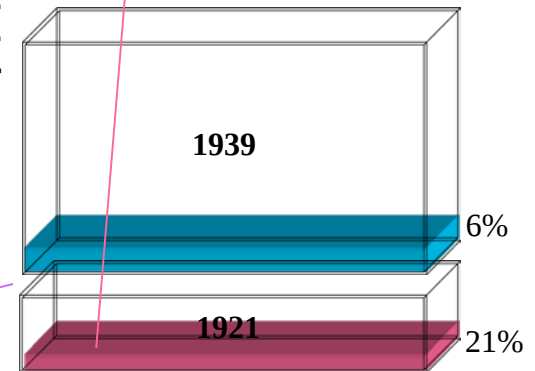
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



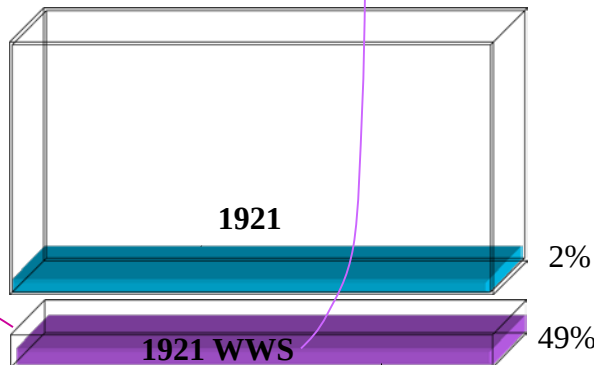
Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF



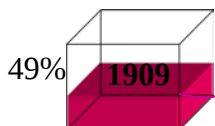
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



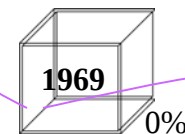
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



Lake Walcott
 95,200 AF *Limited to 2,500 cfs

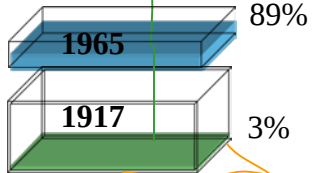


Ririe
 1969: 80,500 AF

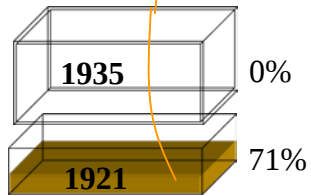


RESERVOIR WATER RIGHT ACCOUNTS
NOVEMBER 11, 2004
(Walcott 1909 Filled)

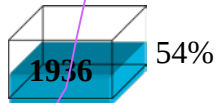
Henry's Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



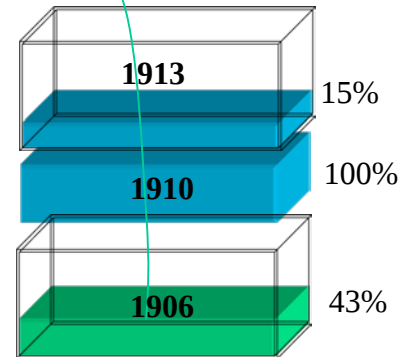
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



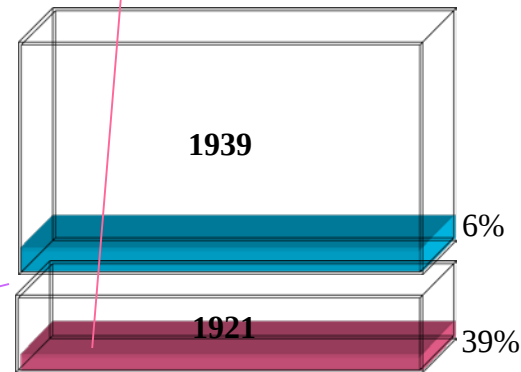
Grassy Lake
1936: 15,204 AF



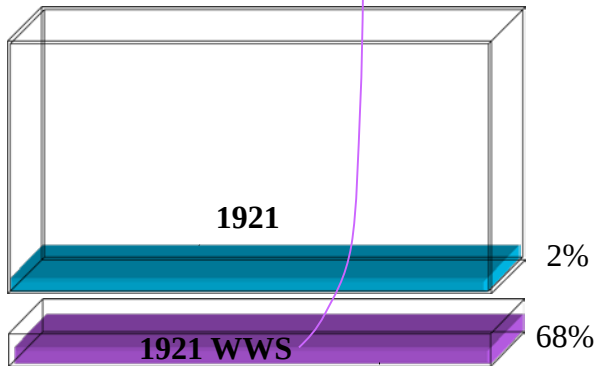
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



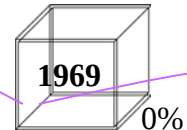
American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Lake Walcott
95,200 AF *Limited to 2,500 cfs

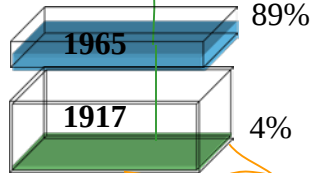


Ririe
1969: 80,500 AF

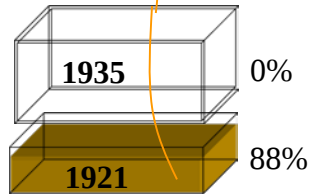


RESERVOIR WATER RIGHT ACCOUNTS
NOVEMBER 20, 2004
(American Falls WWS Filled)

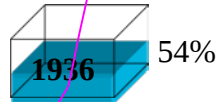
Henry's Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



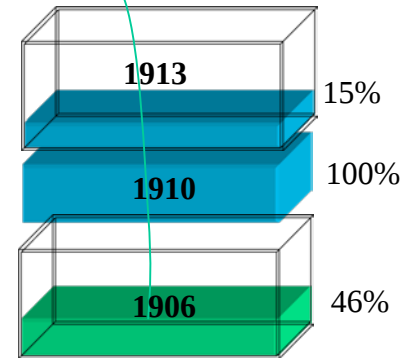
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



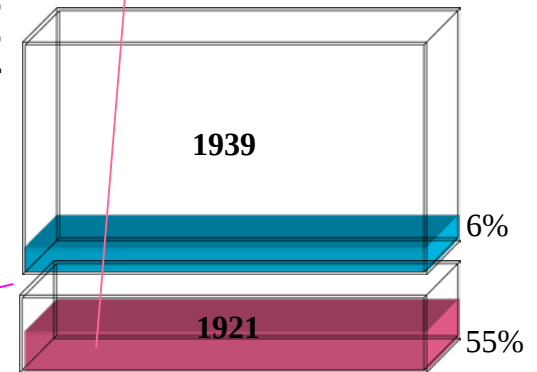
Grassy Lake
1936: 15,204 AF



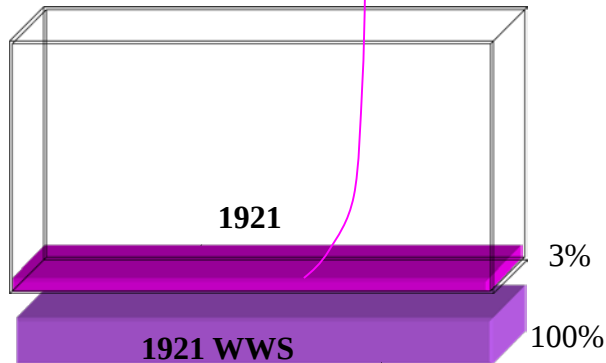
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



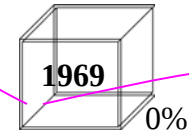
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

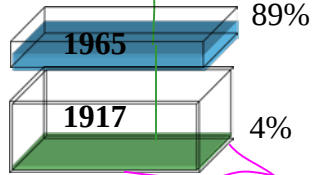


Lake Walcott
95,200 AF *Limited to 2,500 cfs

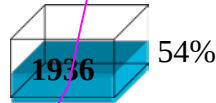


RESERVOIR WATER RIGHT ACCOUNTS
NOVEMBER 26, 2004
(Island Park-1921 Filled)

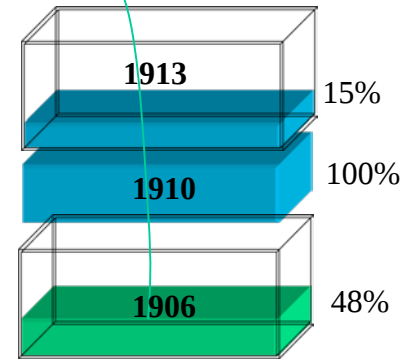
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



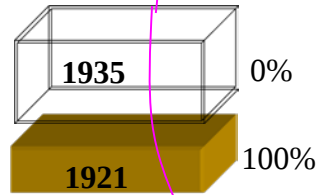
Grassy Lake
 1936: 15,204 AF



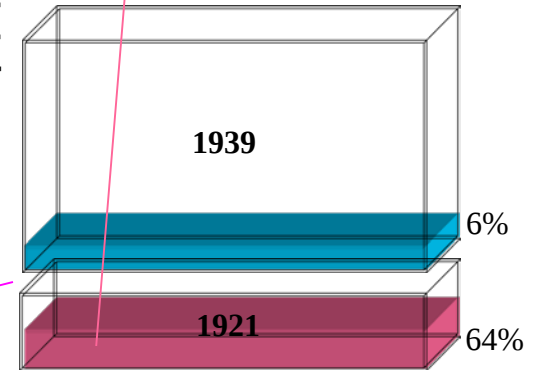
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



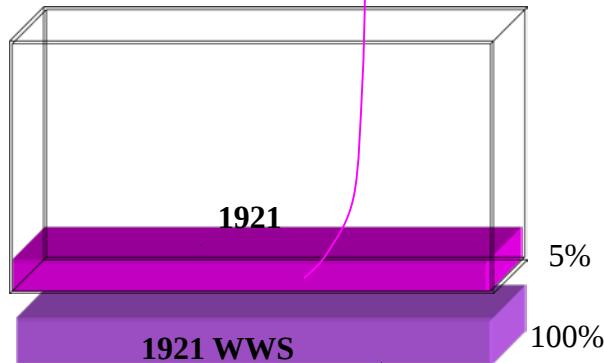
Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF



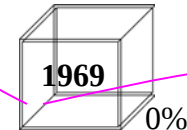
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



Ririe
 1969: 80,500 AF

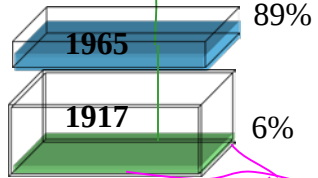


Lake Walcott
 95,200 AF *Limited to 2,500 cfs

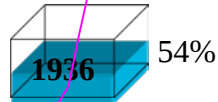


**RESERVOIR WATER RIGHT ACCOUNTS
DECEMBER 20, 2004
(Palisades-1921 Filled)**

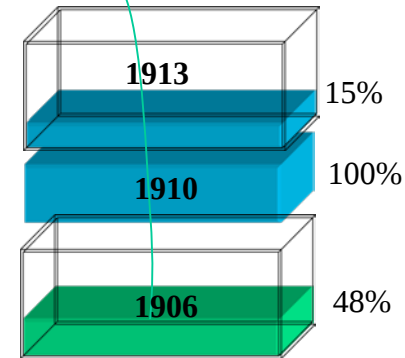
Henry's Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



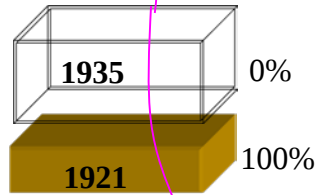
Grassy Lake
1936: 15,204 AF



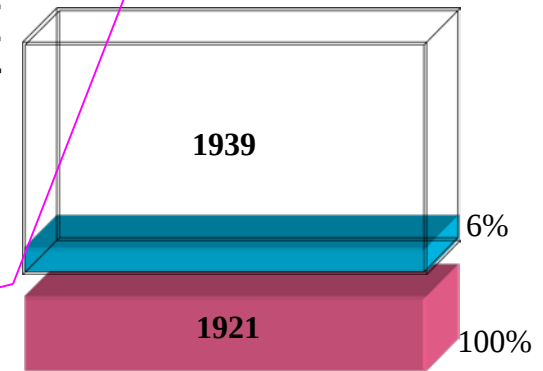
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



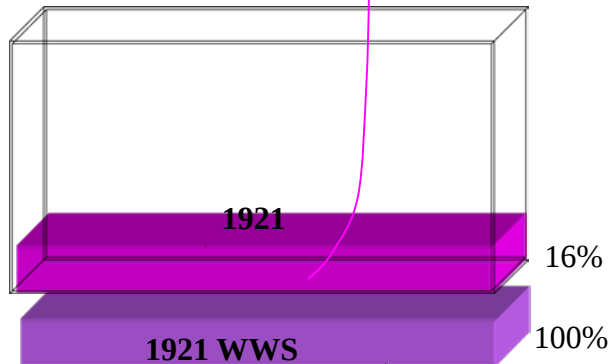
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



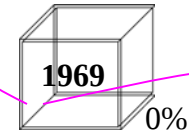
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



Ririe
1969: 80,500 AF

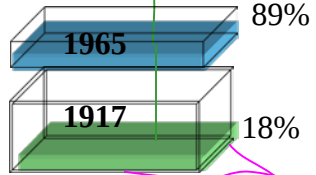


Lake Walcott
95,200 AF *Limited to 2,500 cfs

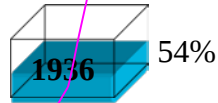


RESERVOIR WATER RIGHT ACCOUNTS
APRIL 29, 2005
(Jackson-1906 Filled)

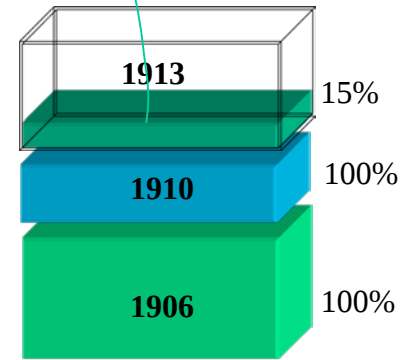
Henry's Lake
1965: 10,650 AF
1917: 79,350 AF
Total : 90,000 AF



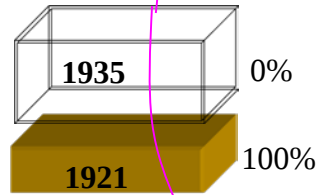
Grassy Lake
1936: 15,204 AF



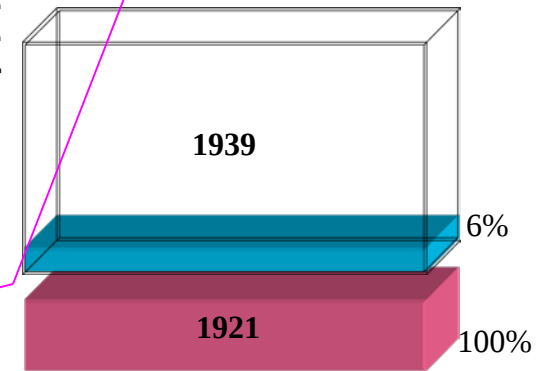
Jackson
1913: 409,190 AF
1910: 138,829 AF
1906: 298,981 AF
Total: 847,000 AF



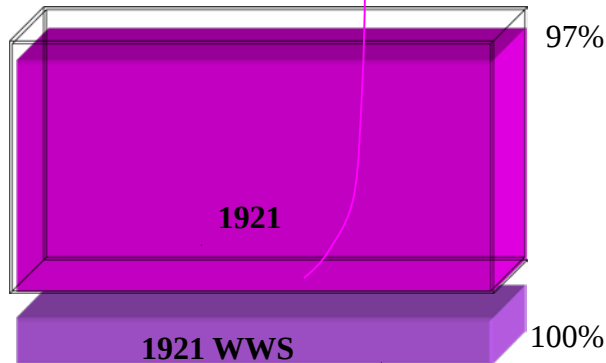
Island Park
1935: 90,000 AF
1921: 45,000 AF
Total :135,000 AF



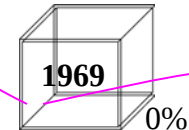
Palisades
1939: 940,400 AF
1921: 259,600 AF
Total: 1,200,000 AF



American Falls
1921: 1,515,760 AF
WWS: 156,830 AF
Total : 1,672,590 AF



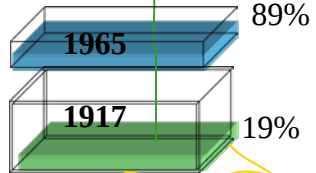
Ririe
1969: 80,500 AF



Lake Walcott
95,200 AF *Limited to 2,500 cfs



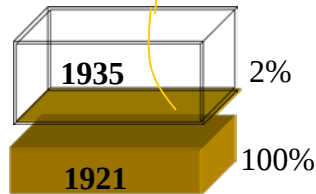
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



Grassy Lake
 1936: 15,204 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

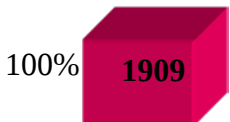


RESERVOIR WATER RIGHT ACCOUNTS
MAY 3, 2005
(American Falls Filled – Filling 1939 Priority)

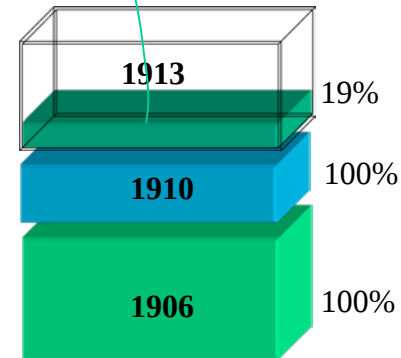
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



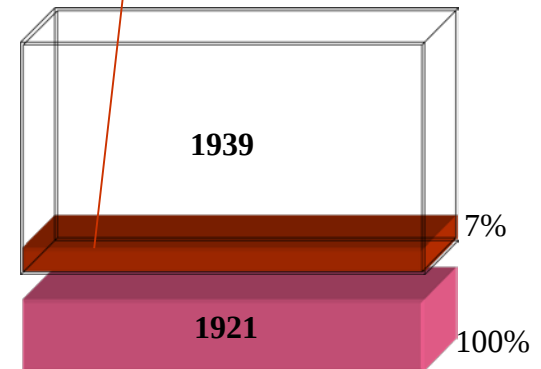
Lake Walcott
 95,200 AF *Limited to 2,500 cfs



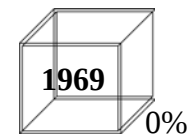
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



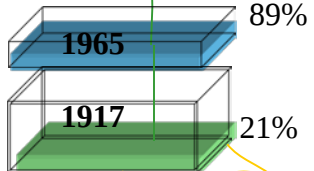
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



Ririe
 1969: 80,500 AF



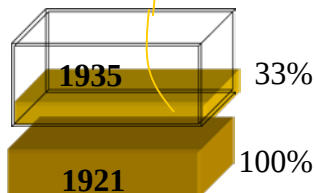
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



Grassy Lake
 1936: 15,204 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF



RESERVOIR WATER RIGHT ACCOUNTS
MAY 20, 2005
(Filling 1969 Priority)

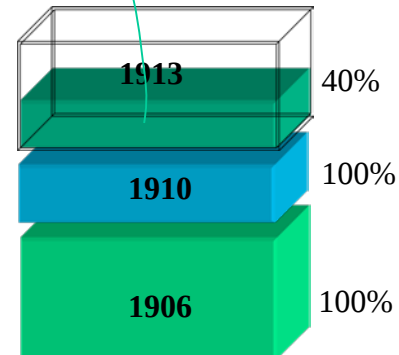
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



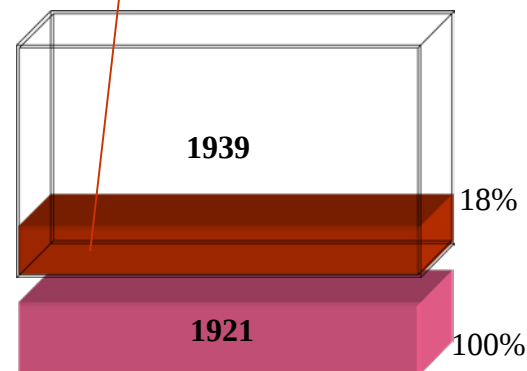
Lake Walcott
 95,200 AF *Limited to 2,500 cfs



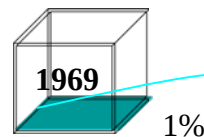
Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



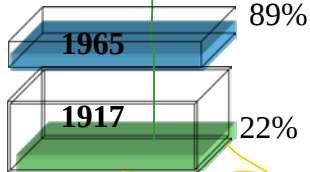
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



Ririe
 1969: 80,500 AF



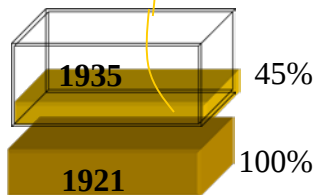
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



Grassy Lake
 1936: 15,204 AF

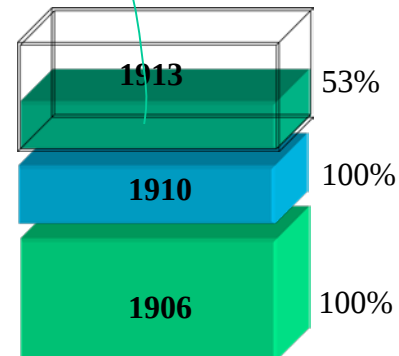


Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

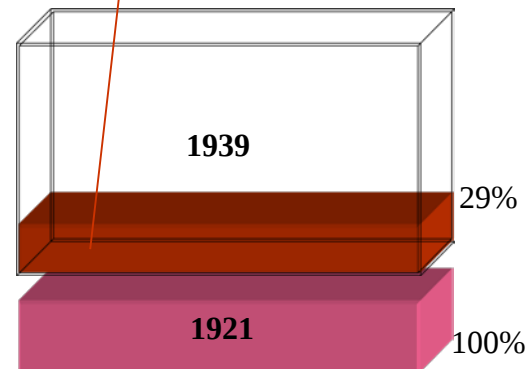


RESERVOIR WATER RIGHT ACCOUNTS
MAY 25, 2005
(1969 Priority Cut - Filling 1939 Priority)

Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



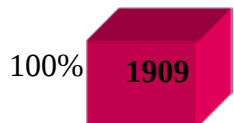
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



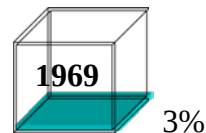
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



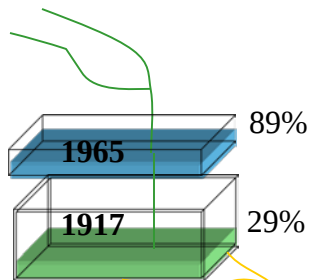
Lake Walcott
 95,200 AF *Limited to 2,500 cfs



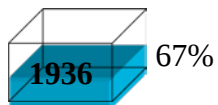
Ririe
 1969: 80,500 AF



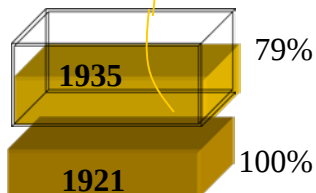
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



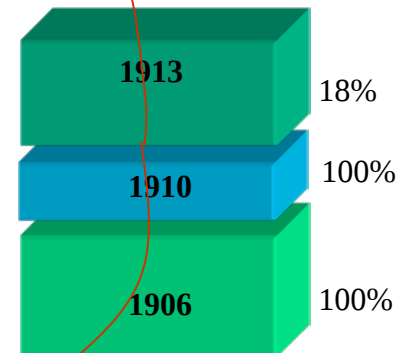
Grassy Lake
 1936: 15,204 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

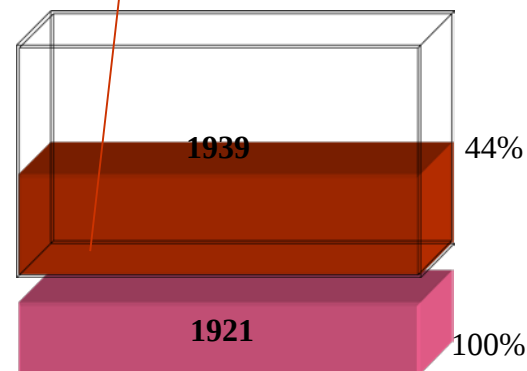


Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



RESERVOIR WATER RIGHT ACCOUNTS
JUNE 12, 2005
(Jackson-1913 Filled – Filling 1939 Priority)

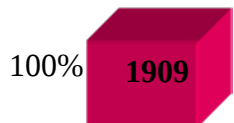
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



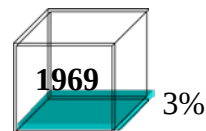
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



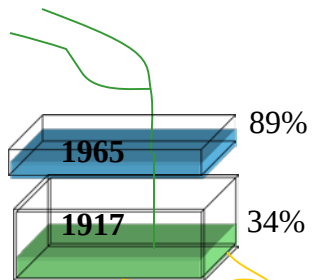
Lake Walcott
 95,200 AF *Limited to 2,500 cfs



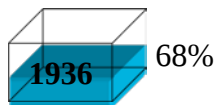
Ririe
 1969: 80,500 AF



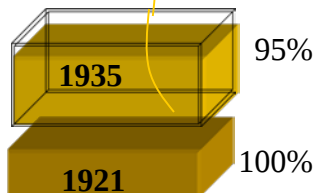
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



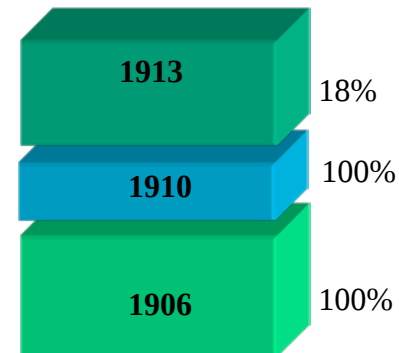
Grassy Lake
 1936: 15,204 AF



Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF

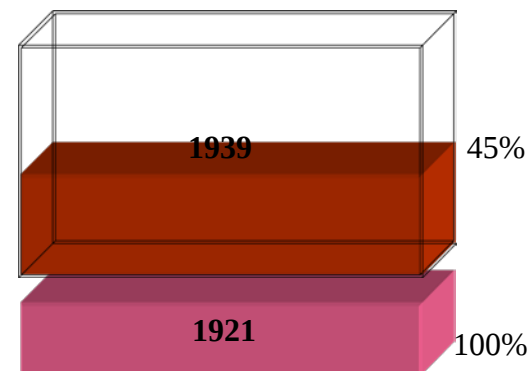


Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF



RESERVOIR WATER RIGHT ACCOUNTS
JUNE 24, 2005
(1939 Priority Cut – Filling 1935 Priority)

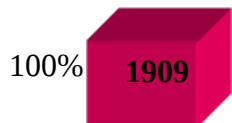
Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



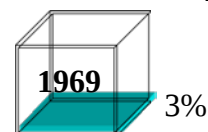
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



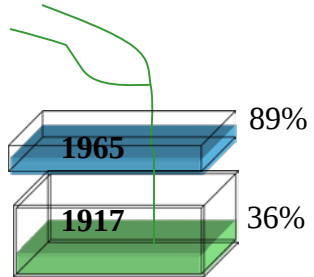
Lake Walcott
 95,200 AF *Limited to 2,500 cfs



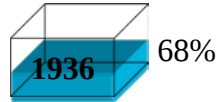
Ririe
 1969: 80,500 AF



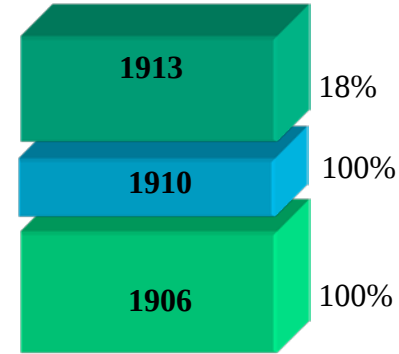
Henrys Lake
 1965: 10,650 AF
 1917: 79,350 AF
 Total : 90,000 AF



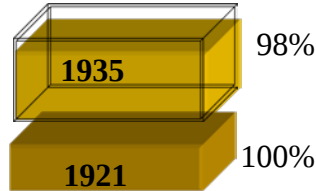
Grassy Lake
 1936: 15,204 AF



Jackson
 1913: 409,190 AF
 1910: 138,829 AF
 1906: 298,981 AF
 Total: 847,000 AF

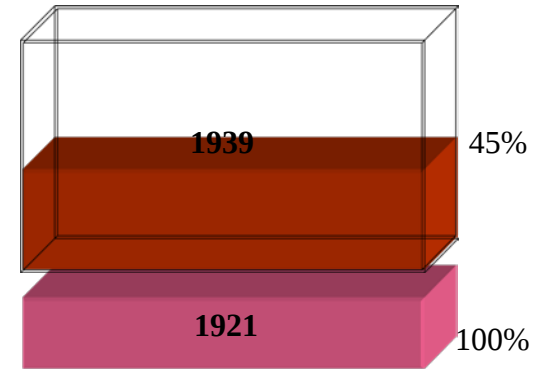


Island Park
 1935: 90,000 AF
 1921: 45,000 AF
 Total :135,000 AF



RESERVOIR WATER RIGHT ACCOUNTS
JUNE 30, 2005
(1935 Priority Cut – Filling 1917 Priority)
LAST DAY OF RESERVOIR ACCRUAL

Palisades
 1939: 940,400 AF
 1921: 259,600 AF
 Total: 1,200,000 AF



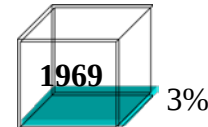
American Falls
 1921: 1,515,760 AF
 WWS: 156,830 AF
 Total : 1,672,590 AF



Lake Walcott
 95,200 AF *Limited to 2,500 cfs



Ririe
 1969: 80,500 AF



2005 Water Right Storage Fill vs. Physical Contents

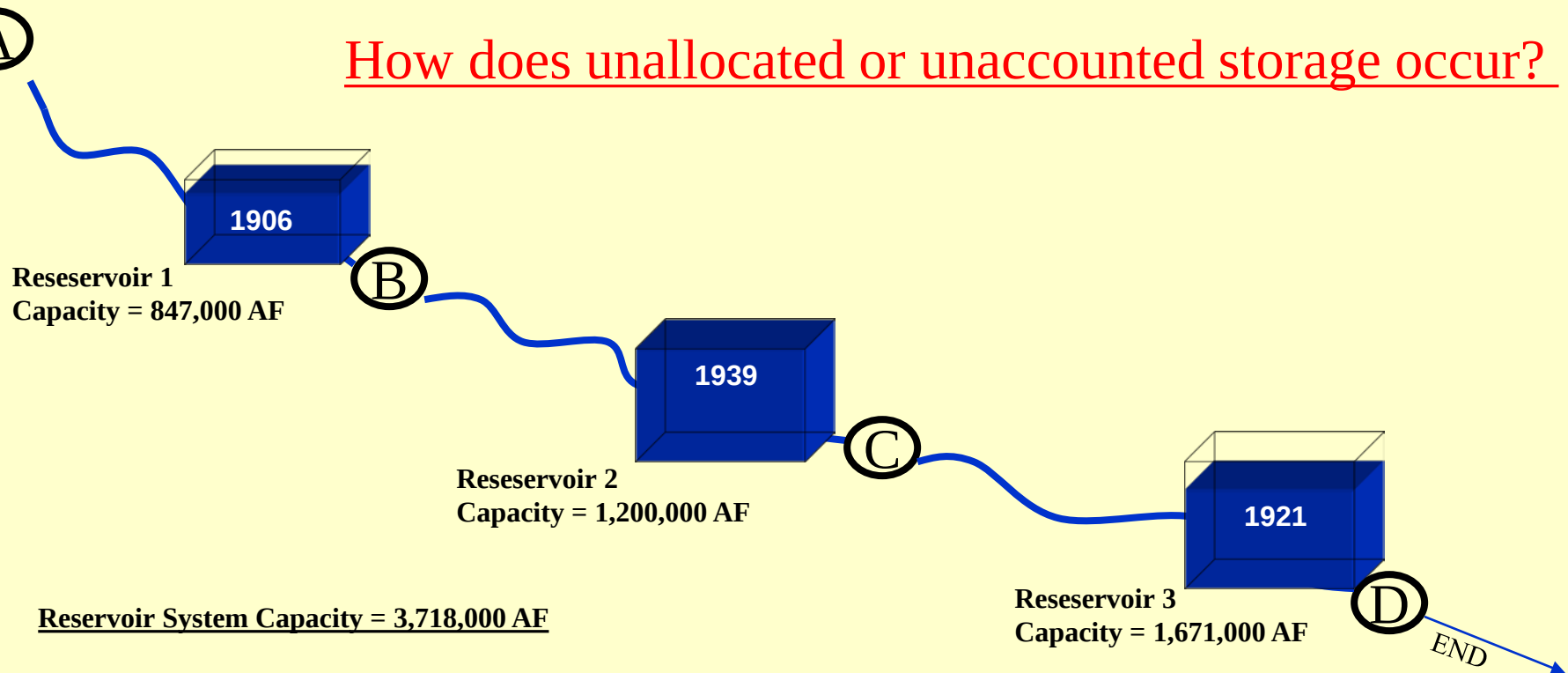
June 30, 2005

Reservoir	Water Right Fill (Ac-Ft)	Physical Contents (Ac-Ft)	Difference (Ac-Ft)
Jackson Lake	847,000	532,600	-333,018
Palisades	687,209	1,075,188	302,868
Henrys Lake	38,424	86,900	48,051
Island Park	132,766	130,621	7,075
Grassy Lake	10,350	7,605	-2,779
Ririe	2,575	60,519	58,106
American Falls	1,672,590	1,342,613	-182,590
Lake Walcott	95,200	94,478	1,054
Other (Milner)	17,200	36,600	3,445
Storage Used	- 114,445	-	97,788
TOTAL	3,427,001	3,427,001	0

UNALLOCATED (UNACCOUNTED) STORAGE

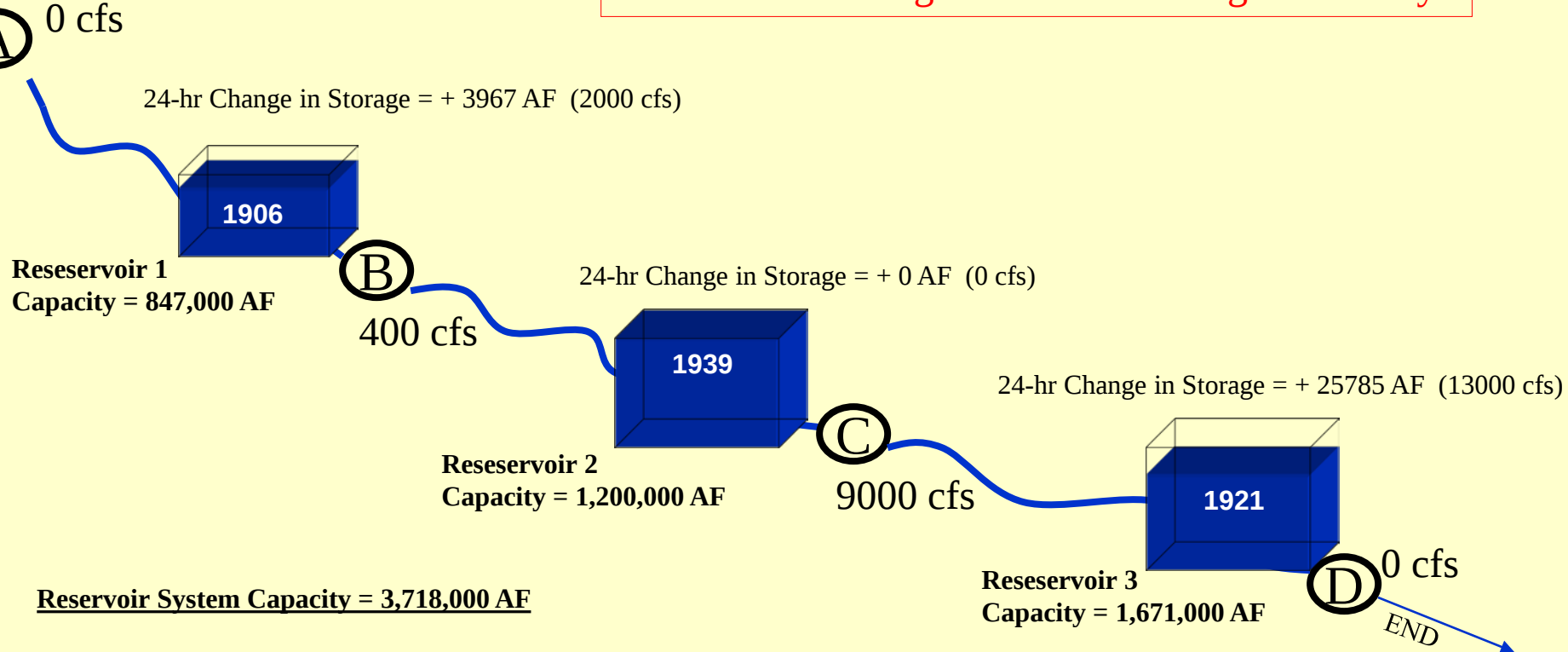
Definition: Storage physically captured by the reservoir system that did not accrue to a specific storage water right.

How does unallocated or unaccounted storage occur?



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>
1	June 1, 1906	847,000 AF (100% full)	804,650 AF (95% full)
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)
3	July 21, 1921	1,671,000 AF (100% full)	1,445,350 AF (86% full)
		=====	=====
		3,450,000 AF (93% full)	3,450,000 AF (93% full)

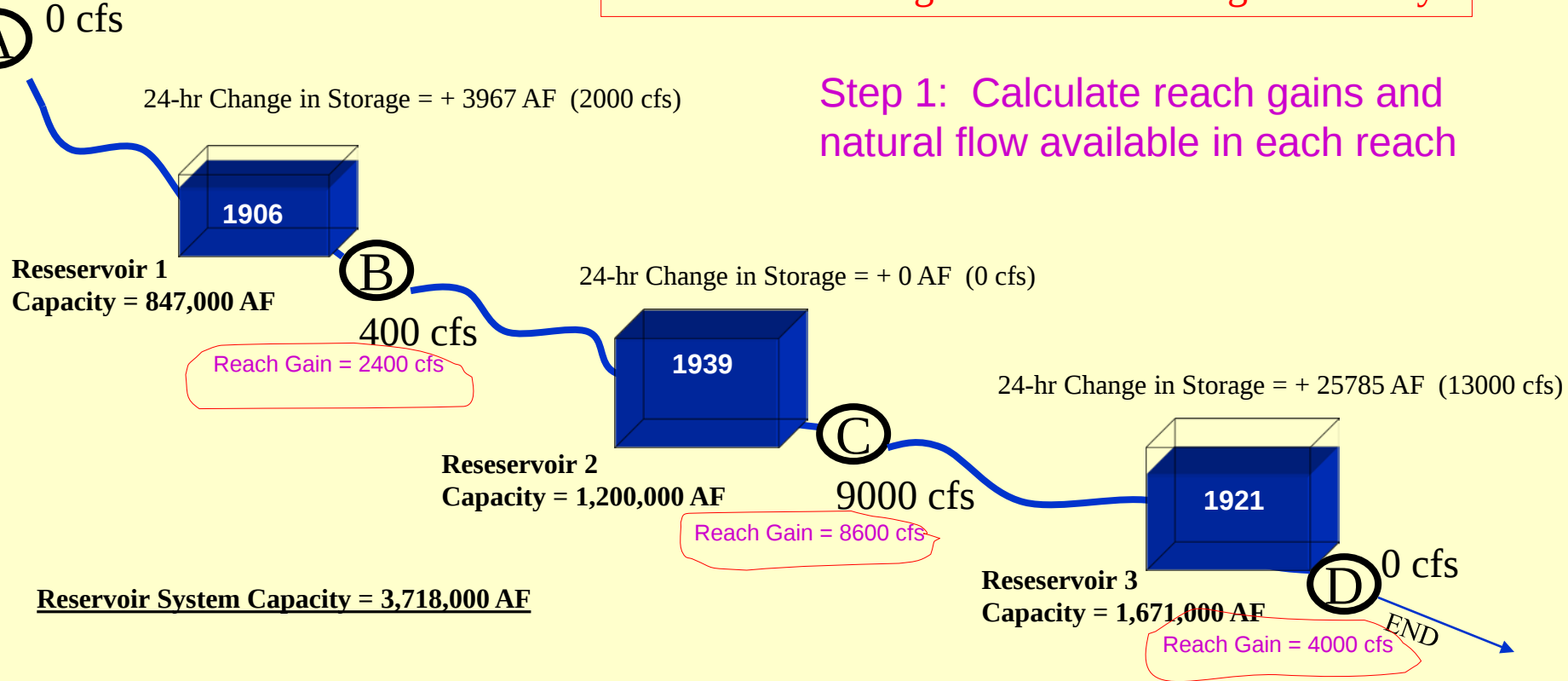
Where is the storage accrual occurring on this day?



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	804,650 AF (95% full)		?
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)		?
3	July 21, 1921	1,671,000 AF (100% full)	1,445,350 AF (86% full)		?
		=====	=====		
		3,450,000 AF (93% full)	3,450,000 AF (93% full)		

Where is the storage accrual occurring on this day?

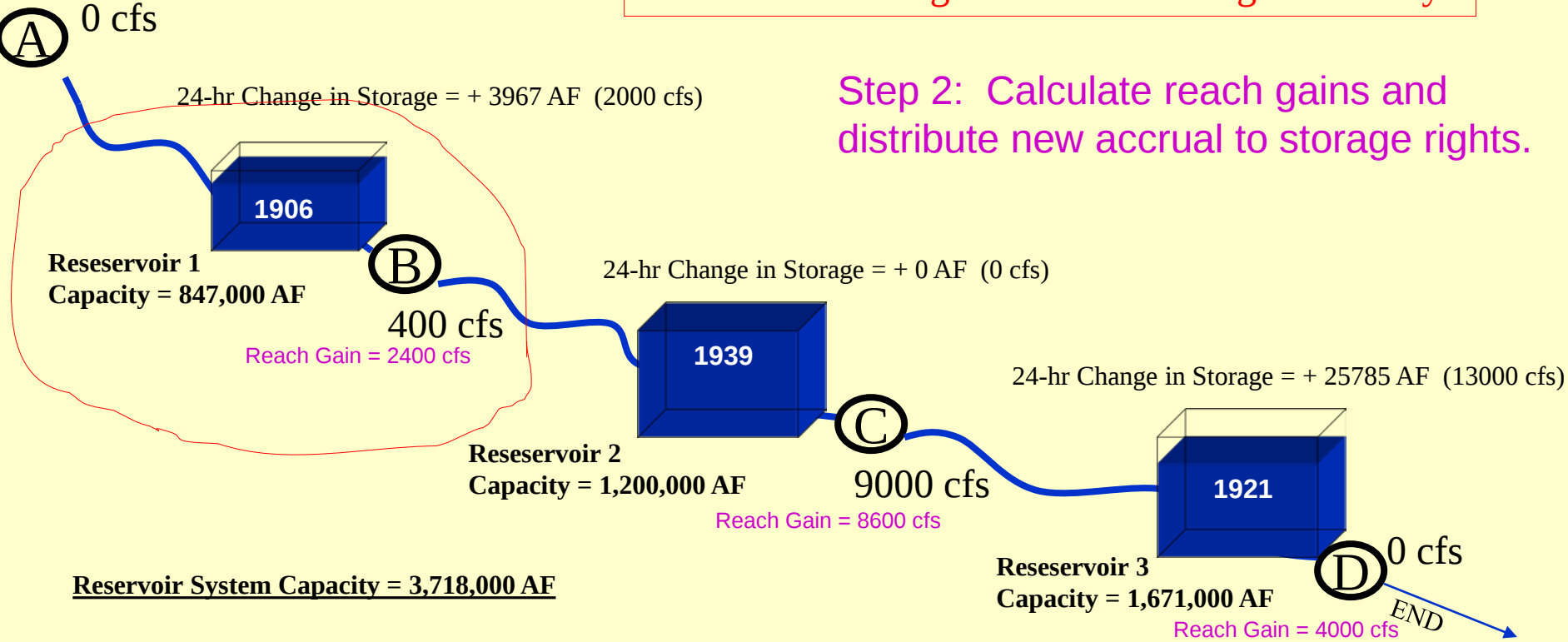
Step 1: Calculate reach gains and natural flow available in each reach



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	804,650 AF (95% full)		?
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)		?
3	July 21, 1921	1,671,000 AF (100% full)	1,445,350 AF (86% full)		?
		=====	=====		
		3,450,000 AF (93% full)	3,450,000 AF (93% full)		

Where is the storage accrual occurring on this day?

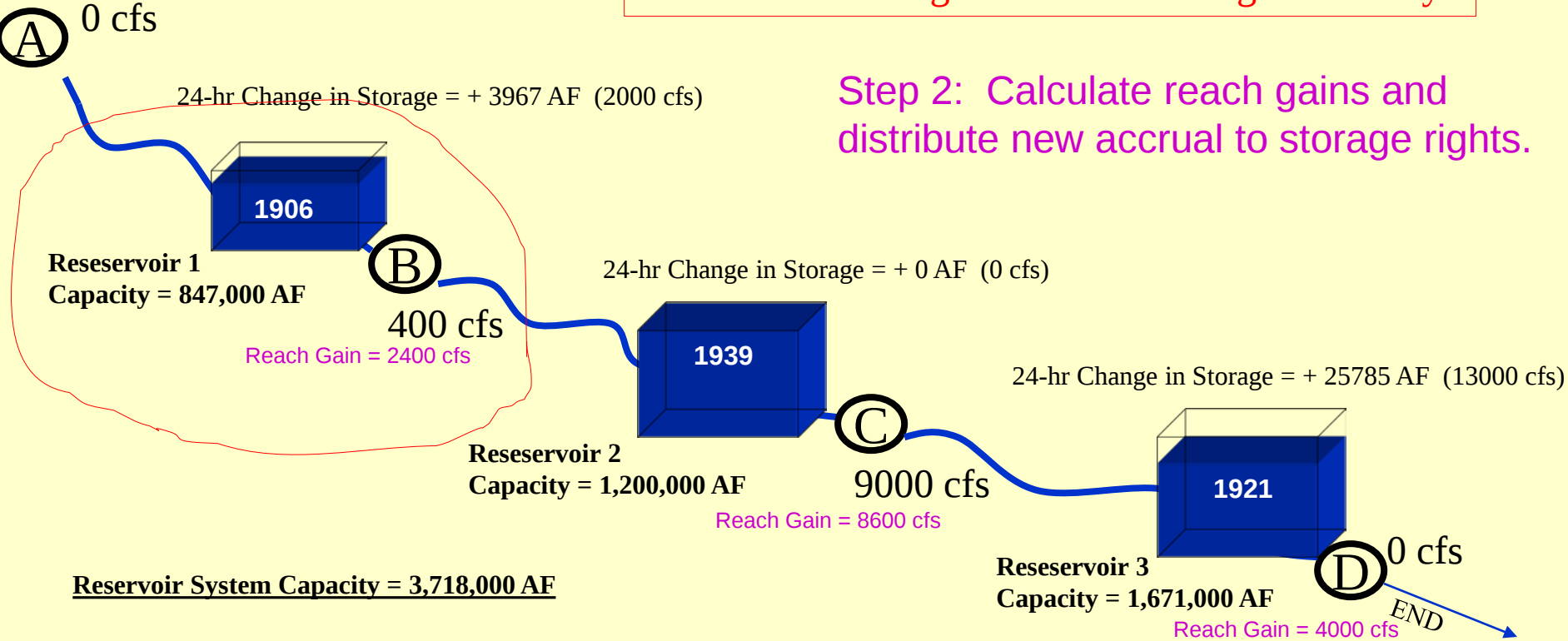
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	3,967 AF	?
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)		?
3	July 21, 1921	1,671,000 AF (100% full)	1,445,350 AF (86% full)		?

Where is the storage accrual occurring on this day?

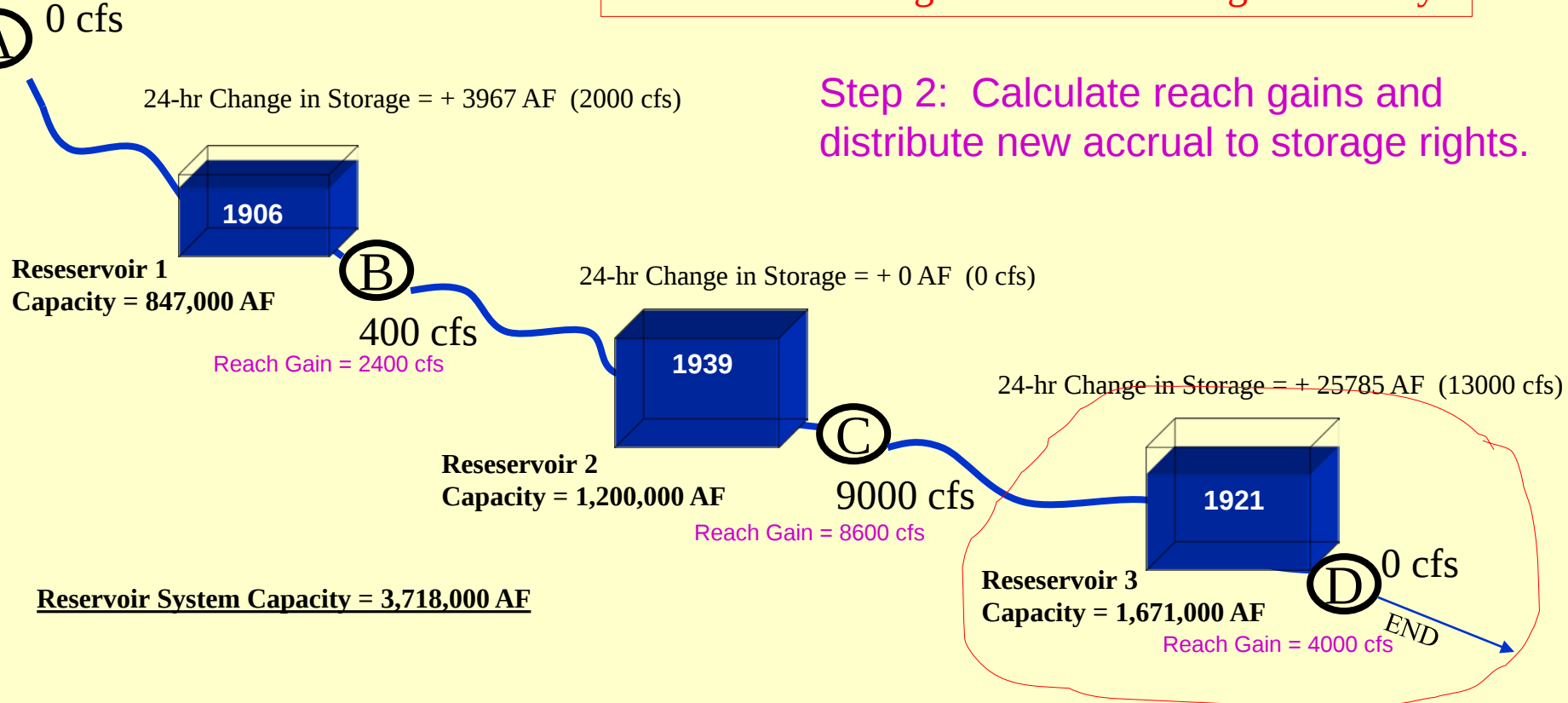
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	3,967 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)		?
3	July 21, 1921	1,671,000 AF (100% full)	1,445,350 AF (86% full)		?

Where is the storage accrual occurring on this day?

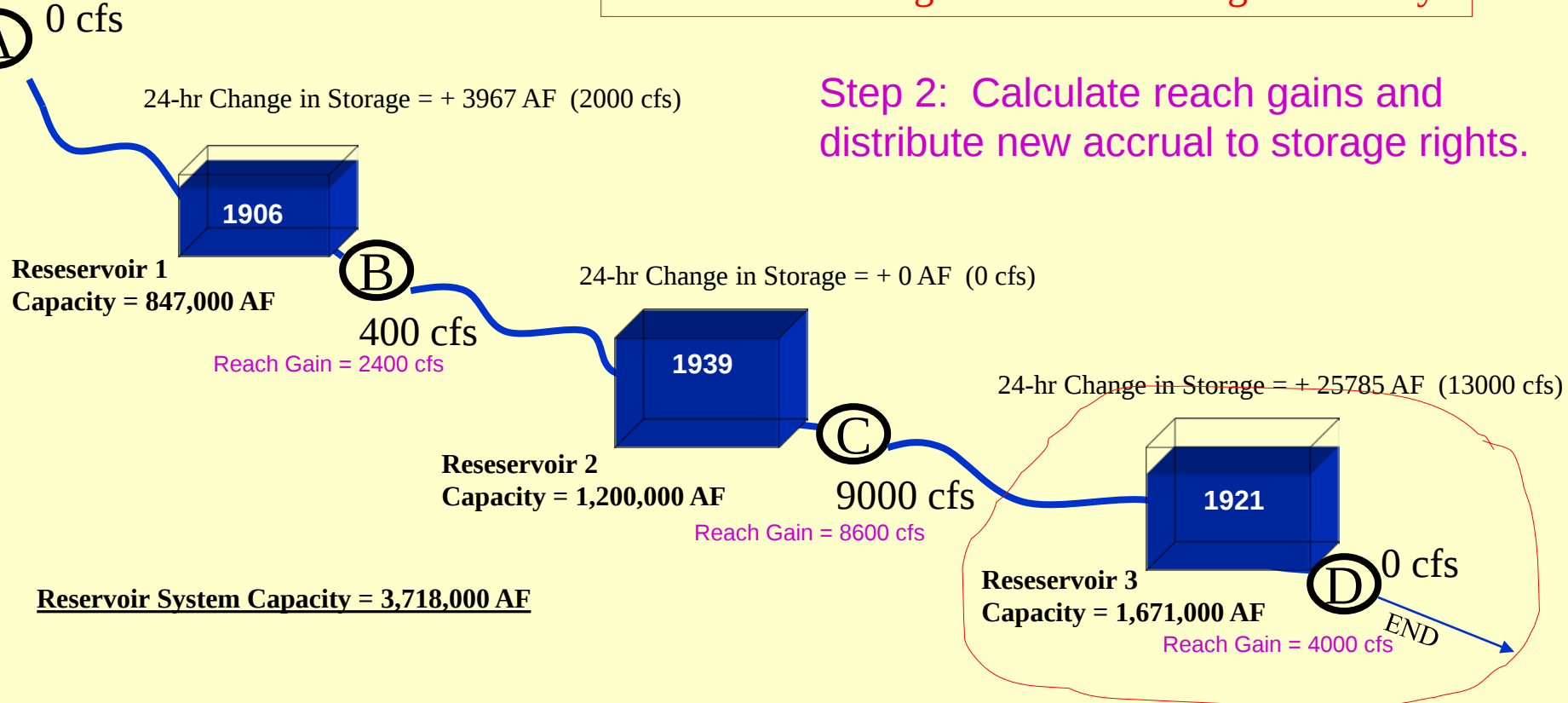
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	3,967 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)		?
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	25,785 AF	?

Where is the storage accrual occurring on this day?

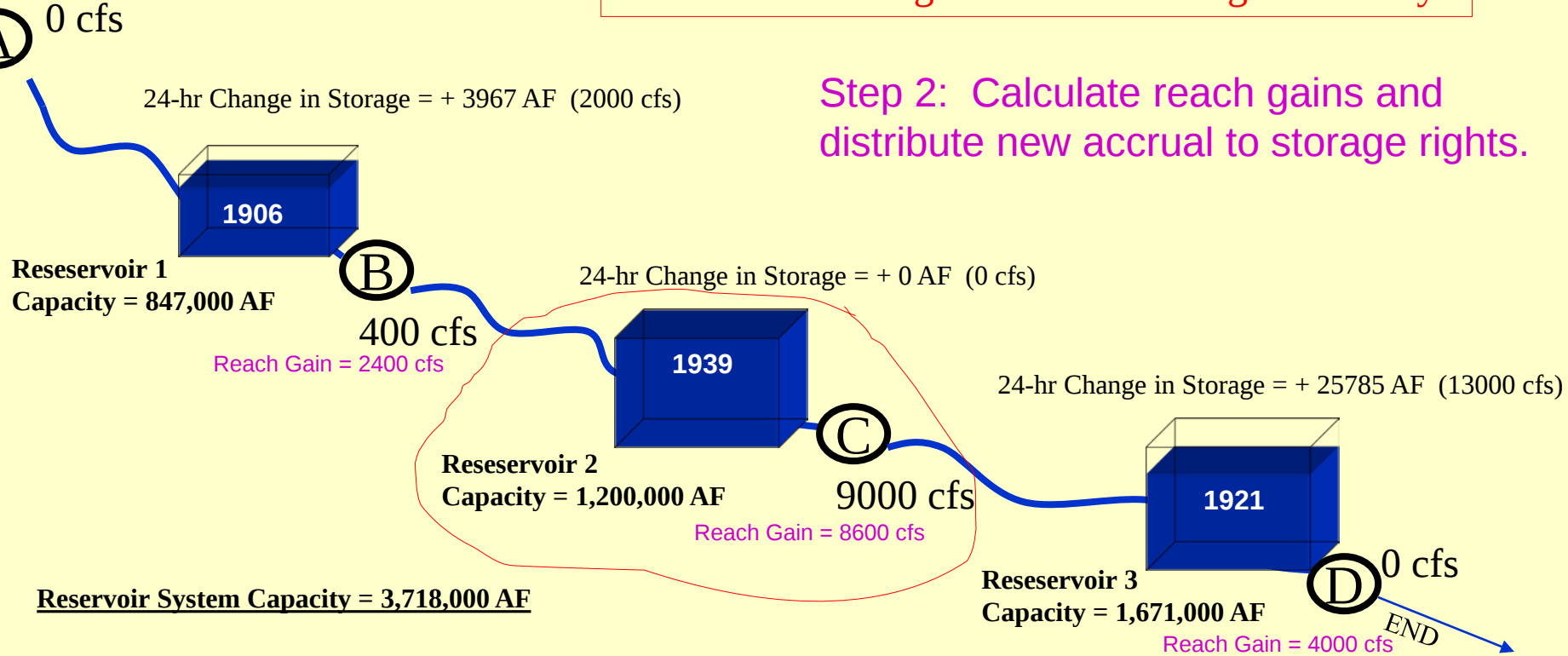
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	3,967 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)		?
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	25,785 AF	0 AF

Where is the storage accrual occurring on this day?

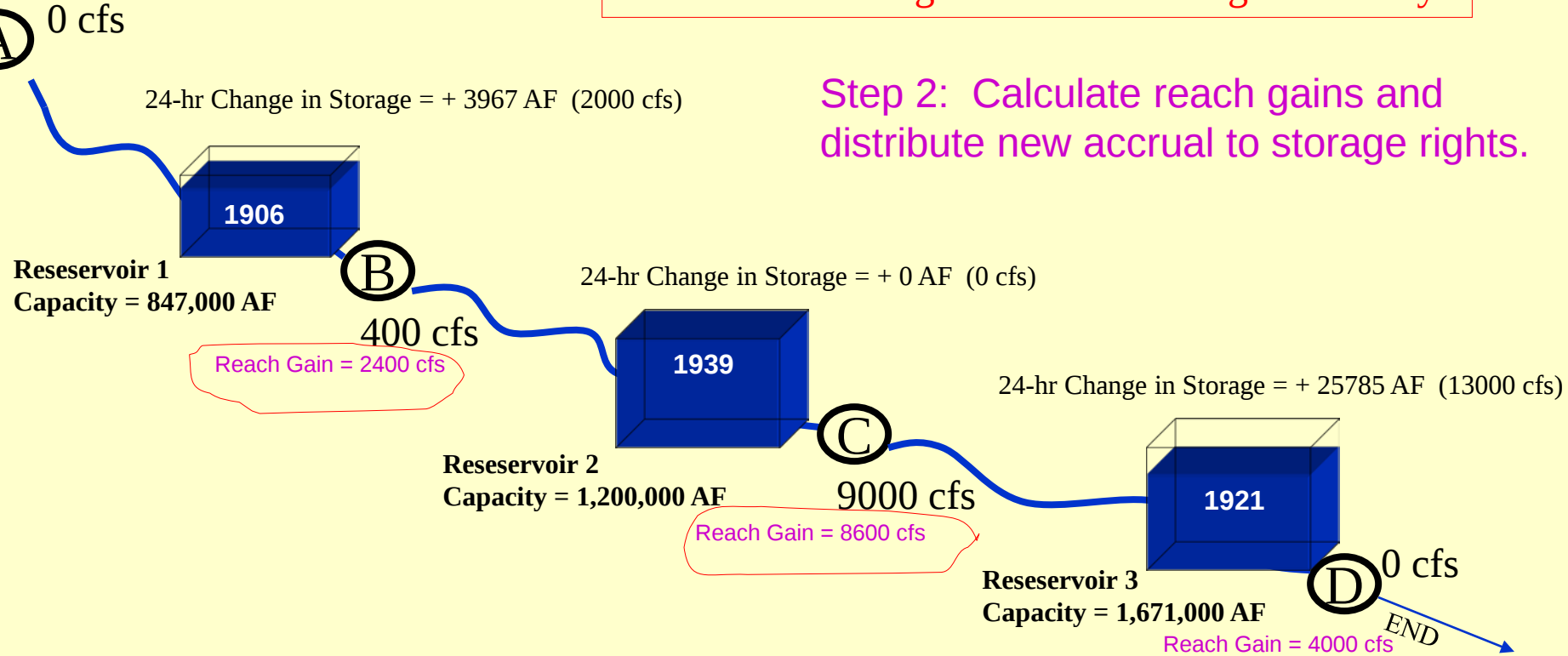
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	3,967 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	1,200,000 AF (100% full)	0 AF	?
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	25,785 AF	0 AF

Where is the storage accrual occurring on this day?

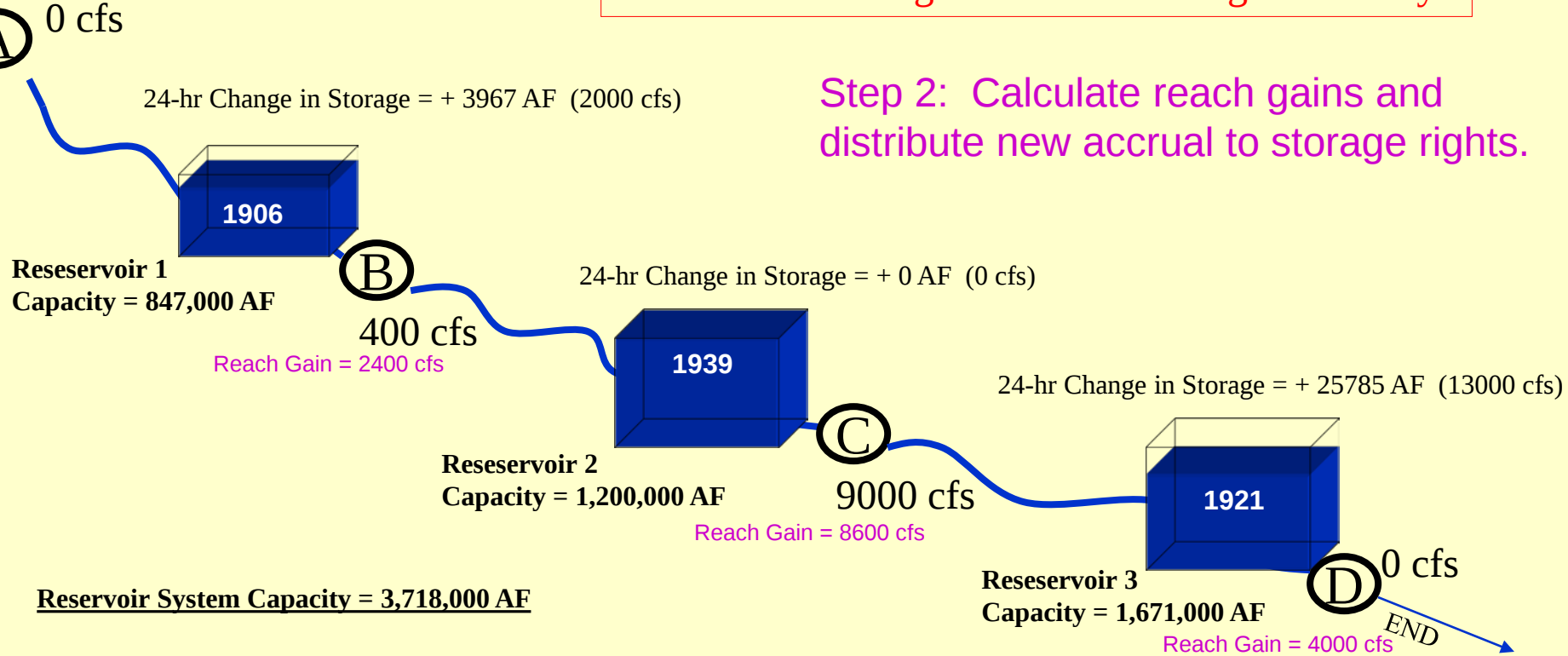
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	3,967 AF	0 AF
2	April 15, 1939	953,818 AF (79% full)	1,200,000 AF (100% full)	0 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	25,785 AF	0 AF

Where is the storage accrual occurring on this day?

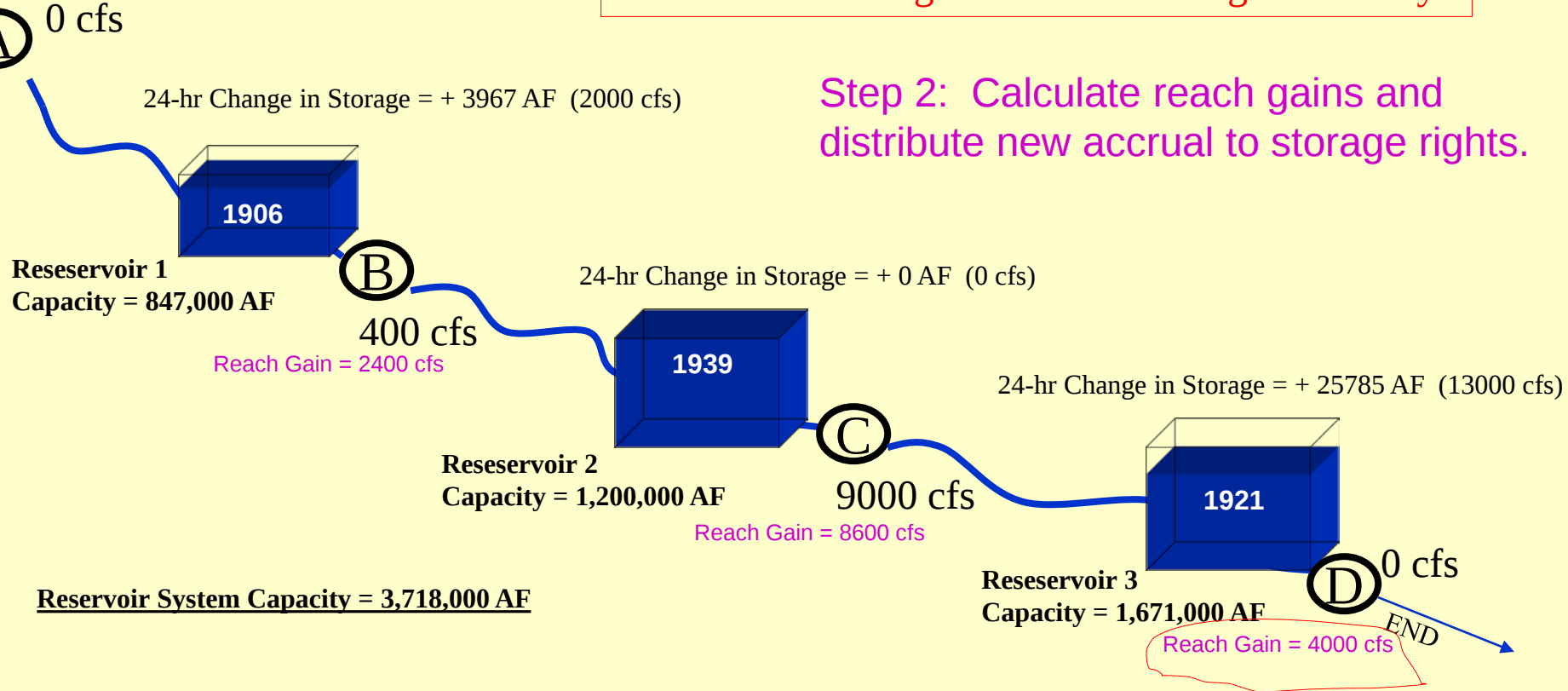
Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	+3,967 AF	0 AF
2	April 15, 1939	953,818 AF (79% full)	1,200,000 AF (100% full)	0 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	+25,785 AF	0 AF
		=====	=====	=====	=====
		3,471,818 AF (93% full)	3,479,752 AF (94% full)	+29,752 AF	+21,818 AF

Where is the storage accrual occurring on this day?

Step 2: Calculate reach gains and distribute new accrual to storage rights.



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	+3,967 AF	0 AF
2	April 15, 1939	953,818 AF (79% full)	1,200,000 AF (100% full)	0 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	+25,785 AF	0 AF
	Unallocated	7,934 AF			+7,934 AF (4,000 cfs)
=====					
		3,479,752 AF (94% full)	3,479,752 AF (94% full)	+29,752 AF	+29,752 AF

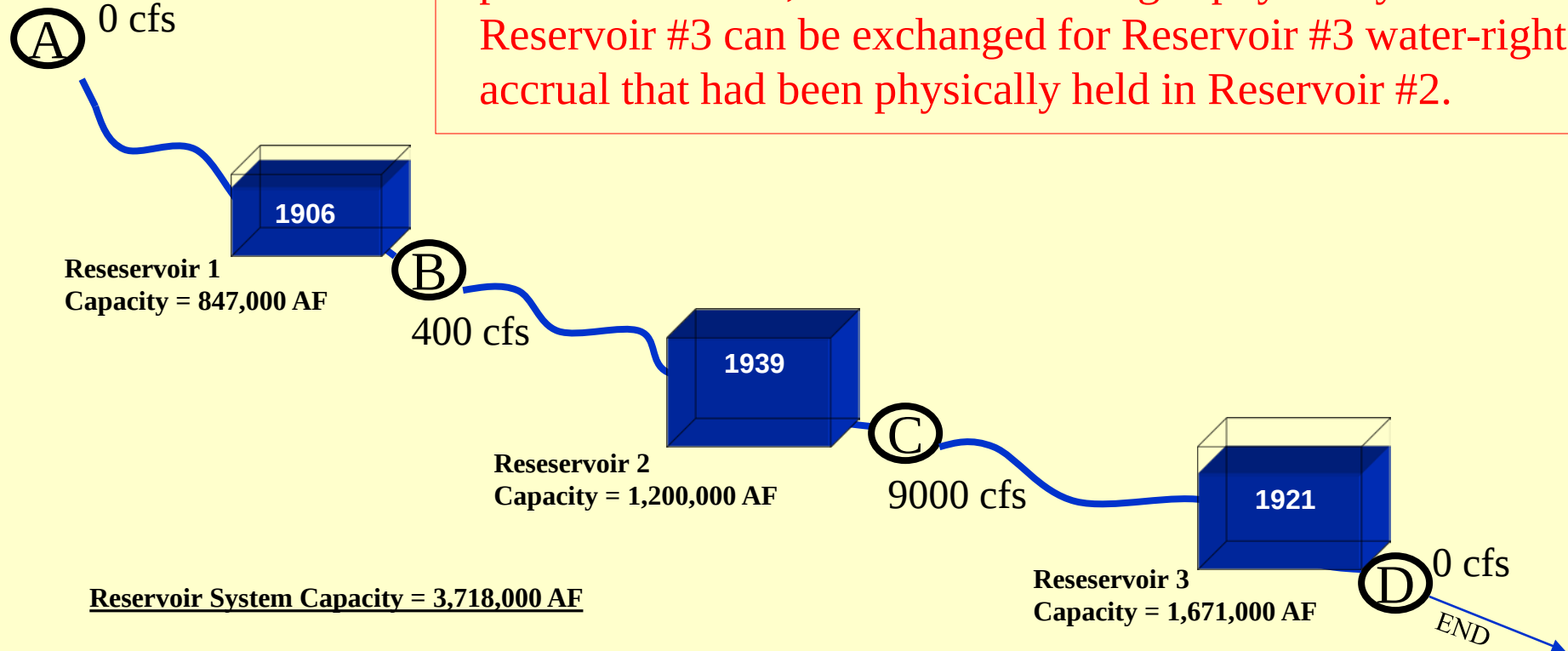
UNALLOCATED (UNACCOUNTED) STORAGE

“Unallocated Storage” accrual is used to offset:

- 1) Water physically stored in Lake Milner
- 2) Previously stored (accrued) water released past Milner Dam, e.g., for reservoir maintenance or flood-control operations.

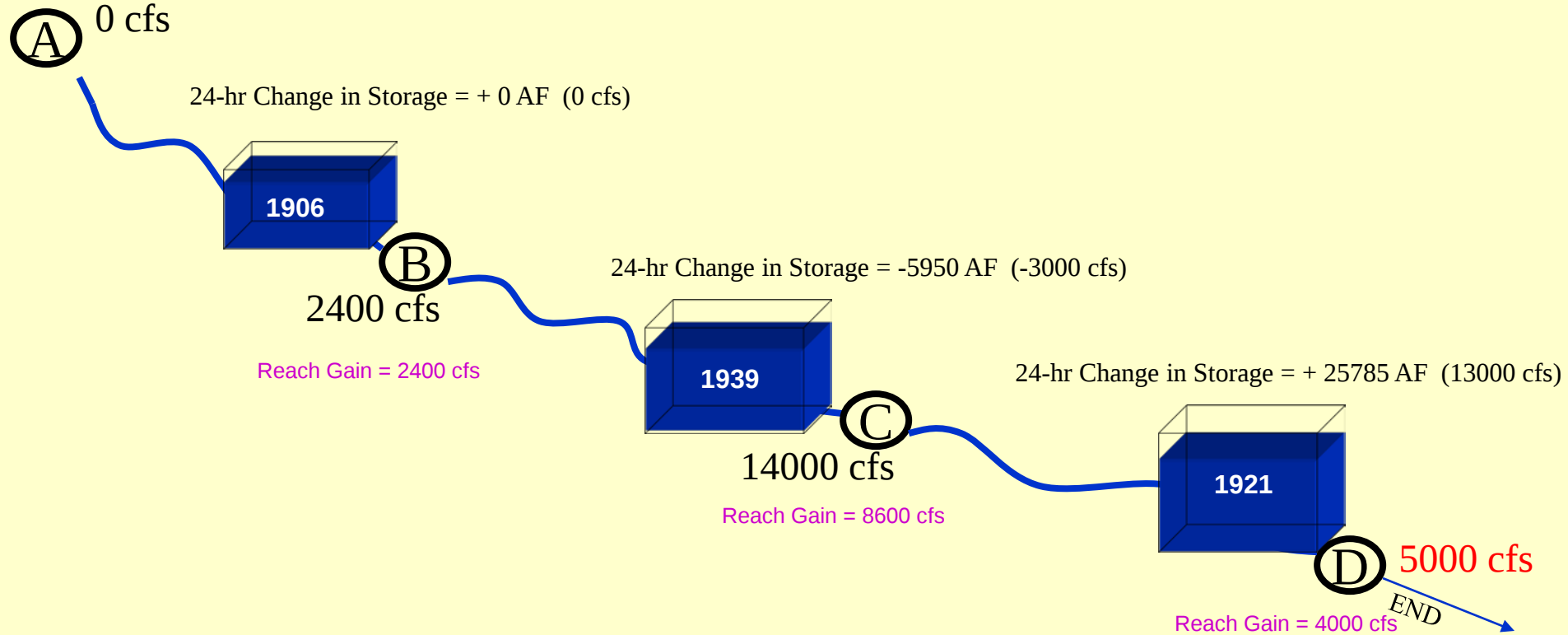
Any surplus “Unallocated Storage” is then “allocated” to unfilled reservoir storage accounts.

If storage hasn't been released from the reservoir system past Milner Dam, "unallocated storage" physically held in Reservoir #3 can be exchanged for Reservoir #3 water-right accrual that had been physically held in Reservoir #2.

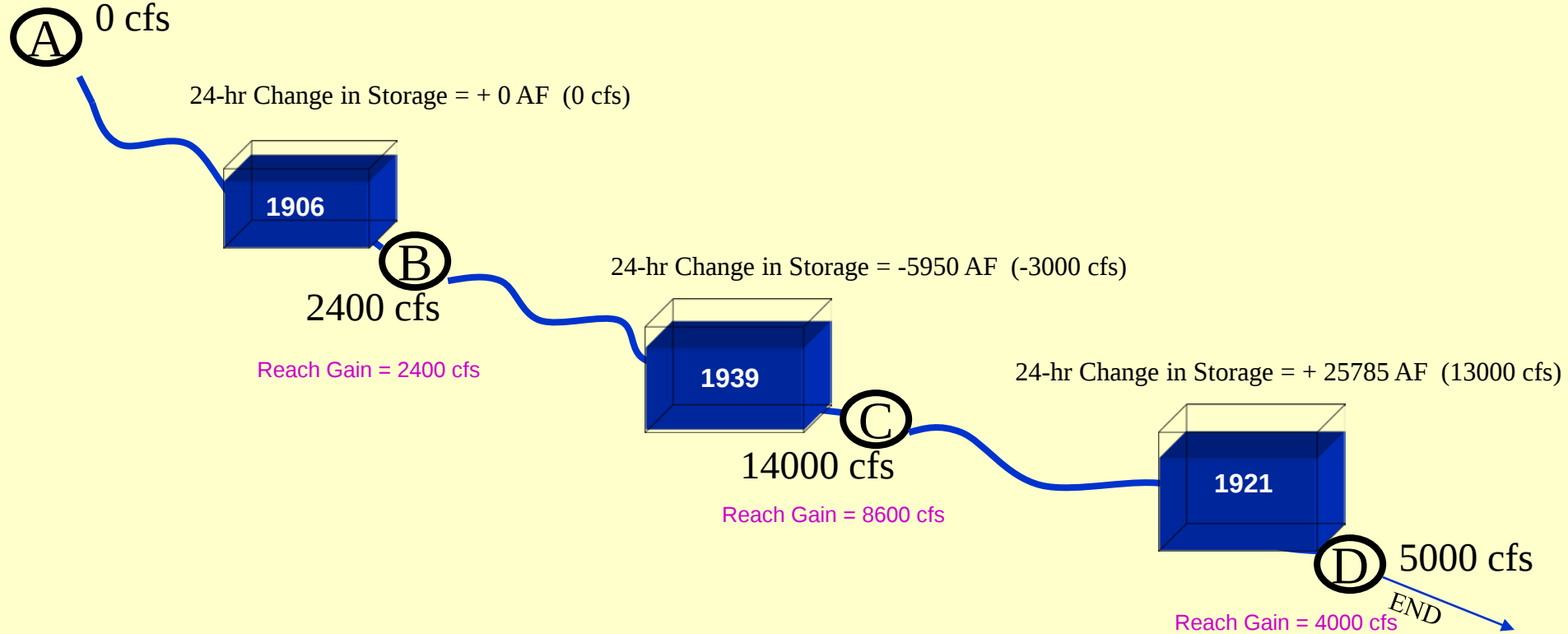


<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>PHYSICAL CONTENTS</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	808,617 AF (95% full)	+3,967 AF	0 AF +29,752 AF
2	April 15, 1939	961,752 AF (80% full)	1,200,000 AF (100% full)	0 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	1,471,135 AF (88% full)	+25,785 AF	0 AF
	Unallocated	7,934 AF 0			+7,934 AF (4,000 cfs) 0
		=====	=====	=====	=====
		1,479,752 AF (94% full)	3,479,752 AF (94% full)	+29,752 AF	+29,752 AF

ADJUSTMENTS FOR STORAGE OR FLOOD-CONTROL SPILLED PAST MILNER DAM

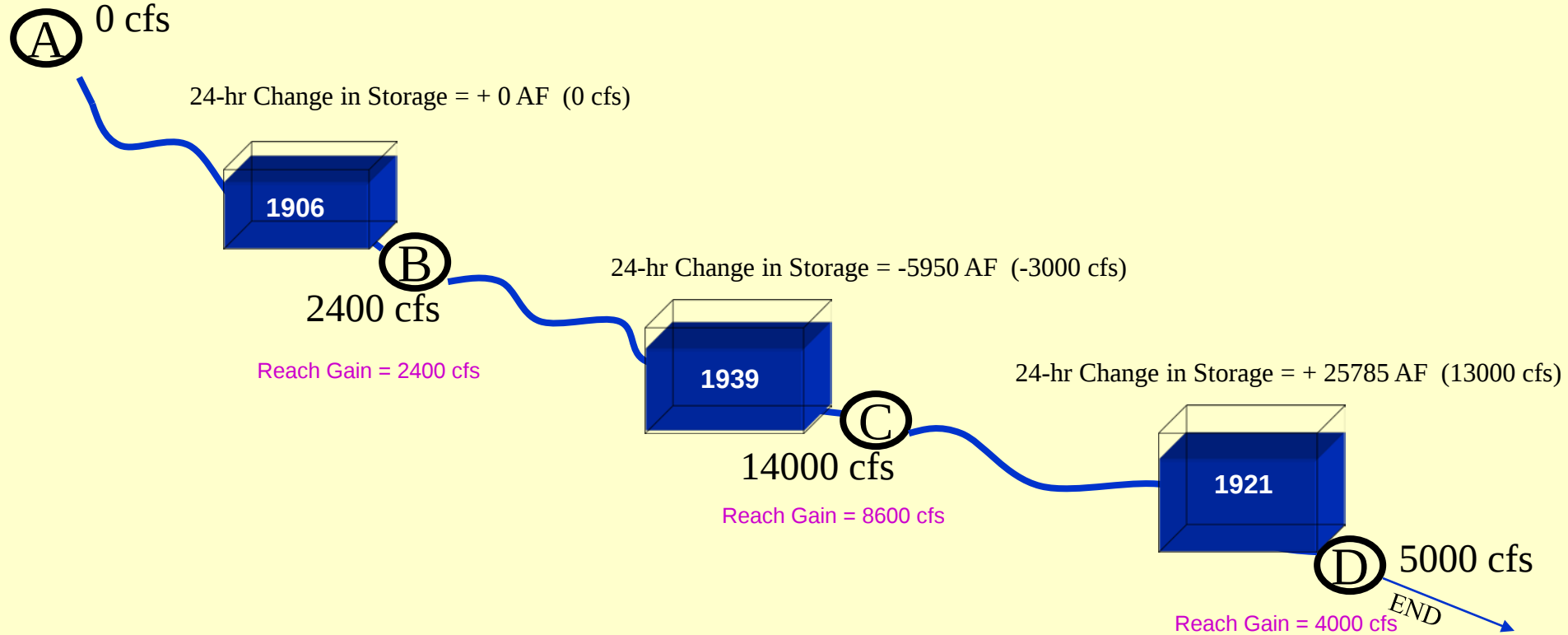


ADJUSTMENTS FOR STORAGE OR FLOOD-CONTROL SPILLED PAST MILNER DAM



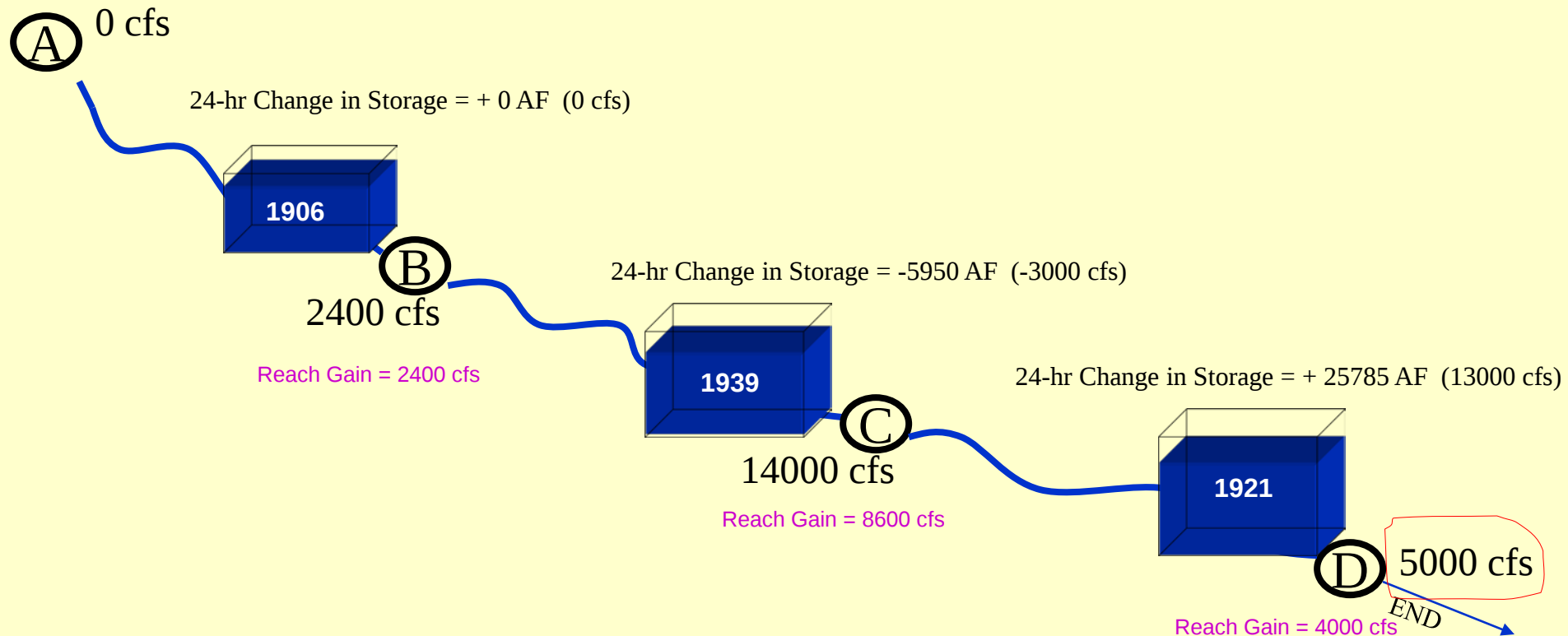
<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	0 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	-5,950 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	+25,785 AF	0 AF
	Unallocated			+7,934 AF (4,000 cfs)
			=====	=====
			+19,835 AF	+29,752 AF

ADJUSTMENTS FOR STORAGE OR FLOOD-CONTROL SPILLED PAST MILNER DAM



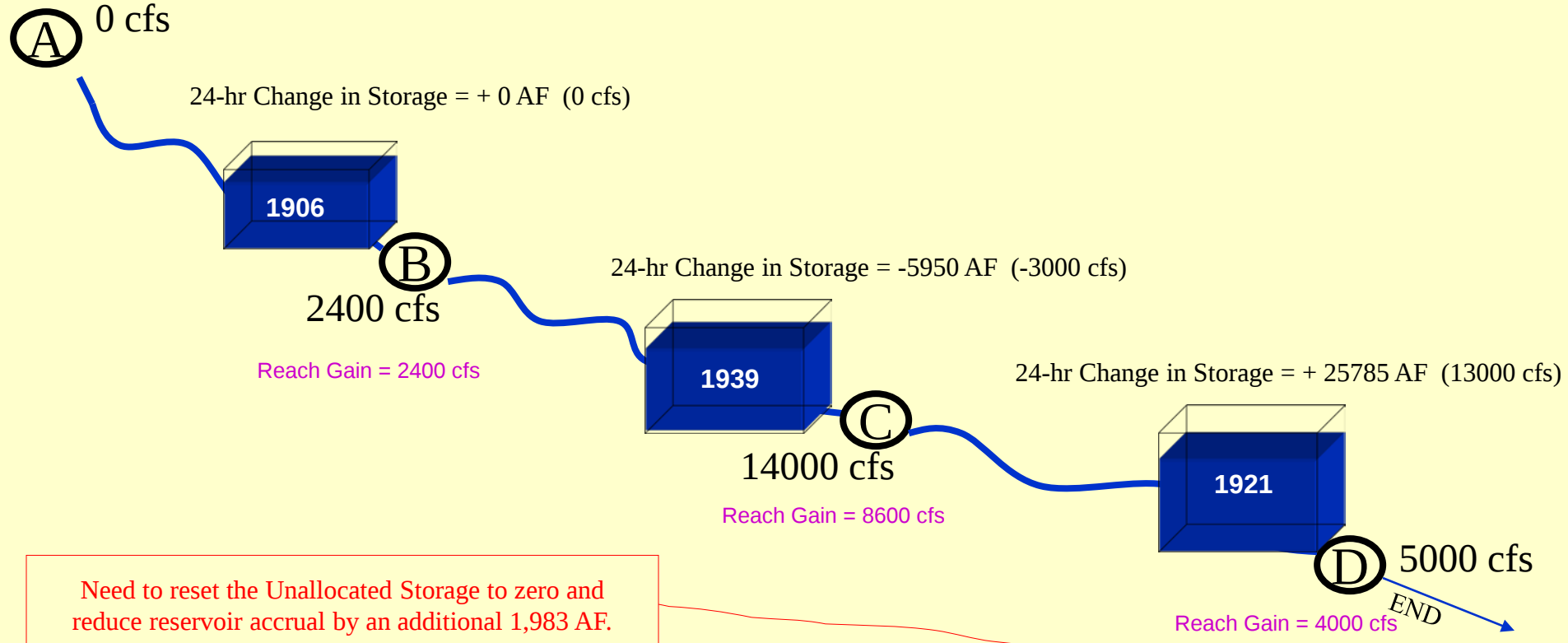
<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	0 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	-5,950 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	+25,785 AF	0 AF
	Unallocated			+7,934 AF (4,000 cfs)
			=====	=====
			+19,835 AF	+29,752 AF

ADJUSTMENTS FOR STORAGE OR FLOOD-CONTROL SPILLED PAST MILNER DAM



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	0 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	-5,950 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	+25,785 AF	0 AF
	Unallocated			+7,934 AF (4,000 cfs)
	Storage Past Milner			-9,917 AF (5,000 cfs)
			=====	=====
			+19,835 AF	+19,835 AF

ADJUSTMENTS FOR STORAGE OR FLOOD-CONTROL SPILLED PAST MILNER DAM



<u>RESERVOIR</u>	<u>WATER RIGHT</u>	<u>YEAR-TO-DATE ACCRUAL</u>	<u>CHANGE IN CONTENTS</u>	<u>NEW ACCRUAL</u>
1	June 1, 1906	847,000 AF (100% full)	0 AF	0 AF
2	April 15, 1939	932,000 AF (78% full)	-5,950 AF	+21,818 AF (11,000 cfs)
3	July 21, 1921	1,671,000 AF (100% full)	+25,785 AF	0 AF
	Unallocated			+7,934 AF (4,000 cfs)
	Storage Past Milner			-9,917 AF (5,000 cfs)
			=====	=====
			+19,835 AF	+19,835 AF

Storage Accrual Summary

- 1) Reservoir storage rights accrue new storage based on the natural flow (reach gain) available to the reservoir storage priority each day of the irrigation season, regardless of whether the physical contents of the reservoir change.
- 2) Unallocated (unaccounted) storage accrues when storage is physically captured in the reservoir system without being accrued to a specific reservoir storage right.
- 3) If zero storage spills out the end of the system past Milner Dam, the sum of accrued storage and unallocated storage minus any storage used by diversions will be equal to the physical contents in the reservoir system.
- 4) New storage accrual will occur or unallocated storage will increase as reservoir system contents increase.
- 5) If the reservoir system contents decrease, new storage accrual will occur or unallocated storage will increase if the sum of daily storage diverted by diversions and storage released past Milner Dam is less than the decrease in reservoir system contents.
- 6) Unallocated (unaccounted) storage is allocated or exchanged to unfilled reservoir accounts when the amount of unallocated storage exceeds the sum of the physical contents in Lake Milner and the storage released past Milner Dam.
- 7) If the amount of storage released past Milner Dam exceeds the amount of unallocated storage, reservoir accruals must be reduced so storage allocated to reservoir accounts equals the physical contents in the reservoir system.

USRRS FLOW SCHEMATIC

