

2007 PRELIMINARY STORAGE ALLOCATION AND NATURAL FLOW

USBR/USACE
 APR-JUL Qnf
 @ Heise= 2370.0

USGS ID	CANAL COMPANY	(a) 2006 TOTAL DIVERSION (AF)	(b) 2006 STORAGE USED (AF)	(c) 2006 NATURAL FLOW USED (a) - (b) (kAF)	(d) 2007 PREDICTED NAT FLOW (kAF) (Best Fit)	(e) 2007 PREDICTED NAT FLOW (kAF) (LOW ESTIMATE)	(f) ACTUAL NATURAL FLOW THROUGH 7/8/07	(g) PREDICTED NATURAL FLOW 7/9 to 10/31	(h) 2007 PRELIMINARY STORAGE ALLOCATION (kAF)	(i) 2007 PREDICTED SUPPLY (f) +(g) + (h) (kAF)
13080000	MINIDOKA NS ¹	352,268.1	174,910.0	177.4	115.644	90.090	85.967	-	334.143	420.110
13080500	BID (MINIDOKA SS) ²	247,847.9	123,063.0	124.8	137.690	107.337	60.484	-	213.265	273.750
13085500	A & B ID	57,491.0	41,410.0	16.1	6.870	2.004	2.805	-	117.177	119.982
13086000	MILNER ID	55,497.0	35,905.0	19.6	8.613	4.759	7.419	-	79.008	86.427
13086530	AF RES. DIST #2	404,220.0	277,517.0	126.7	69.845	28.583	44.208	-	383.201	427.409
13087000	NORTH SIDE ³	968,559.0	484,395.0	484.2	374.524	312.009	233.502	68.496	788.362	1,090.360
13087500	TWIN FALLS SS	995,822.0	189,537.0	806.3	859.775	778.285	422.376	375.639	230.956	1,028.97

¹ Minidoka Canals - MININDOKA NS receives approximately 0.587 of natural flow and storage

² Minidoka Canals - BID receives approximately 0.413 of natural flow and storage.

³ Includes NORTH SIDE TWIN FALLS CANAL and four additional canals below:

13085800	PA LATERAL	16,501
13086510	A LATERAL	18,469
13086512	J BRUNE PUMP	385
13086520	NS GOODING X-CUT	193,057

(c) CALCULATE VALUES OF NATURAL FLOW USED BY SWC CANALS IN 2006. NATURAL FLOW USED TO UPDATE LINEAR REGRESSION EQUATION FOR PREDICTING 2007 FLOW BASED ON PROJECTED HEISE RUNOFF.

(d) THE 2007 PREDICTED NATURAL FLOW USING LINE OF BEST FIT.

(e) THE 2007 PREDICTED NATURAL FLOW MINUS ONE STANDARD DEVIATION.

(f) NATURAL FLOW BASED ON PRELIMINARY WATER RIGHTS ACCOUNTING DATA.

(g) PREDICTED NATURAL FLOW FOR THE REMAINDER OF THE 2007 SEASON ASSUMED EQUAL TO 1992.

SHORTAGES: (using WD01 storage allocations for 2007 irrigation season)

	MIN FULL SUPPLY - 1995 (AF)	2007 PREDICTED SUPPLY (AF)	ESTIMATED SHORTFALL (AF)	REASONABLE CARRYOVER (AF)	ESTIMATED 2007 CARRYOVER (AF)	ESTIMATED TOTAL SHORTFALL (AF)
13080000 MINIDOKA NS	314,300	420,110	(105,810)	-	105,810	
13080500 MINIDOKA SS (BID)	220,200	273,750	(53,550)	-	53,550	
13085500 A & B ID	50,000	119,982	(69,982)	8,500	69,982	
13086000 MILNER ID	50,800	86,427	(35,627)	7,200	35,627	
13086530 AF RES. DIST #2	405,600	427,409	(21,809)	51,200	(29,391)	(29,391.1)
13087000 NS TWIN FALLS	988,200	1,090,360	(102,160)	83,300	102,160	
13087500 TWIN FALLS SS	1,075,900	1,028,971	46,929	38,400	(38,400)	<u>(85,329.4)</u>

(114,720.5)