

DWR CORRECTS WATER BALANCE TABLE ... MAYBE

Data compiled by N. Suard, Esq.
posted online 3/27/14

Location of flow study based on the first chart posted by DWR:
http://www.snugarharbor.net/images-2014/bdcp/flows/unaccounted_diversions.pdf

SHR-400

In January 2014 it was noticed by Delta landowners that a chart online providing the estimated Delta outflow and in-Delta water uses indicated substantially low Delta outflow. In addition, there appeared to be "missing water". I hired a certified Quickbooks person to enter the numbers as shown in the top chart, as if those numbers were dollars instead of thousands of acre feet of water. The result was that there appeared to be MISSING water and the CCWD diversions may be counted twice as both independent export amount and as a portion of the in-Delta consumptive use figure. North Delta landowner focus on flows has been heightened in the last few years because DWR or USBR has been greatly reducing flows on Steamboat Slough, in particular, except for when the salmonid migration studies with pulse flows are going on. The above chart was provided to several North Delta water engineers and agency people with a request that others review the data.

Without notice to others, DWR revised the chart and posted it online on 3/19/2014, after revising the data in late February. It will take more time to analyze the new numbers, but the first posting shows how even for very important data like Delta outflow there is inconsistency when DWR reports data and then makes corrections without acknowledging the correction.

SCREEN PRINT OF DWR CHART ONLINE BEFORE DWR UPDATE

http://www.waterplan.water.ca.gov/docs/cwpu2013/ae/water_portfolio-inflow_outflow_delta.pdf

Delta Water Balance Estimates ¹ (TAF)	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Sacramento River Inflow	29015	21770	18360	10517	13104	18304	17129	16747	28039	11010	9557	9867	12777
Yolo Bypass Inflow	8996	1635	2961	366	708	1122	3121	707	13034	248	417	317	659
Eastside Tributaries Inflow	2096	1399	1078	372	462	534	445	1173	9679	1979	n	1231	2461
San Joaquin River Inflow	8456	3568	2846	1732	1396	1365	1373	3777	7341	1596	1234	865	1829
North Bay Aqueduct Exports	39	37	47	45	47	42	52	48	43	61	55	46	43
Contra Costa Water District Diversions at Rock Slough and Old River	160	133	126	104	121	138	120	119	116	112	135	107	94
State Water Project Exports at Banks Pumping Plant or Clifton Court Intake	2134	2439	3692	2635	2900	3458	3251	3625	3527	2954	1527	1636	2496
Central Valley Project Exports at Tracy	2474	2262	2487	2332	2505	2685	2722	2679	2628	2679	2018	1884	2141
Delta Consumptive Use ²	1691	1691	1693	1691	1691	1691	1693	1691	1691	1691	1693	1691	1666
Delta Precipitation ³	1423	734	956	764	758	739	753	1089	1059	477	600	662	789
Delta Outflow	43487	22542	18155	6944	9163	14050	14922	15403	43805	6216	1529	6713	2461

1 Data from DAYFLOW Program; NOTE: includes DAYFLOW corrections through 01-07-2004 (<http://ep.water.ca.gov/dayflow>)
2 Content Required by Water Code Section 10004.6

SCREEN PRINT OF DWR CHART CORRECTED BY DWR AND POSTED 3/19/2014

http://www.waterplan.water.ca.gov/docs/cwpu2013/ae/water_portfolio-inflow_outflow_delta.pdf

Delta Water Balance Estimates ¹ (TAF)	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Sacramento River Inflow	29,015	21,770	18,360	10,517	13,104	18,304	17,128	16,747	27,592	10,970	9,557	9,867	12,777
Yolo Bypass Inflow	8,416	1,629	2,961	366	708	1,122	3,128	707	10,939	248	417	317	659
Eastside Tributaries Inflow	2,090	1,399	1,078	372	462	534	445	1,173	2,338	383	295	366	633
San Joaquin River Inflow	8,491	3,568	2,846	1,732	1,396	1,365	1,373	3,777	7,341	1,596	1,234	865	1,829
North Bay Aqueduct Exports	39	38	47	45	47	42	52	48	43	61	55	46	43
Contra Costa Water District Diversions at Rock Slough and Old River	160	133	126	104	121	138	120	119	116	112	135	107	94
State Water Project Exports at Banks Pumping Plant or Clifton Court Intake	2,134	2,439	3,692	2,635	2,900	3,458	3,251	3,625	3,527	2,954	1,527	1,636	2,496
Central Valley Project Exports at Tracy	2,474	2,263	2,487	2,332	2,505	2,685	2,722	2,679	2,628	2,679	2,018	1,884	2,141
Delta Consumptive Use (2)	1,751	2,039	2,017	1,863	1,837	1,791	1,991	2,096	1,881	1,700	1,793	1,784	1,865
Delta Precipitation (2 (3)	2,033	1,088	1,271	936	903	839	976	1,233	1,249	525	700	755	988
Delta Outflow	43,487	22,542	18,147	6,944	9,163	14,050	14,914	15,070	41,264	*6,216	*6,675	*6,713	*10,247

Note: Draft Information. The final Water Plan assumptions and estimates will be included in Volume 5, the Technical Guide.

1) Data from DAYFLOW Program; 7-1-2012 (<http://www.water.ca.gov/dayflow>)
2) Content Required by Water Code Section 10004.6
3) Delta only without Suisun Marsh

Corrected chart posted online 3/19/14 with no reference to the fact it is a correction of the previous posting by DWR