



STATE WATER RESOURCES CONTROL BOARD

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SOUTH DELTA WATER AGENCY

“The Bureau will not divert from any watershed any water which is needed to satisfy the existing or potential needs within that watershed. For example, no water will be diverted which will be needed for the full development of all of the irrigable lands within the watershed, nor would there be water needed for municipal and industrial purposes or future maintenance of fish and wildlife resources.”

“No area will be deprived of water to meet the needs of another. Nor will any area be asked to pay for water delivered to another.”

“Under this Act the water rights of northern California will remain securely protected. In addition, sufficient money is provided for construction of local projects to meet the pressing needs for flood control, recreation and water deliveries in the north.”

USBR Acting Regional Director, R. C. Callard,
1956

Water Code Sections 11100 et.seq. CENTRAL VALLEY PROJECT

Section 11207. Primary purposes

Shasta Dam shall be constructed and used primarily for the following purposes:

...

(c) Salinity control in the Sacramento-San Joaquin Delta.

Water Code Sections 11460 et.seq. AREA OF ORIGIN

Section 11460. Prior right to watershed water

In the construction and operation by the department of any project under the provisions of this part a watershed or area wherein water originates, or an area immediately adjacent thereto which can be conveniently be supplied with water therefrom, shall not be deprived by the department directly or indirectly of the prior right to all the water reasonable required to adequately supply the beneficial needs of the watershed, area, or any of the inhabitants or property owners therein.

§ 12200. Legislative findings and declaration

The Legislature hereby finds that the water problems of the Sacramento-San Joaquin Delta are unique within the State; the Sacramento and San Joaquin Rivers join at the Sacramento-San Joaquin Delta to discharge their fresh water flows into Suisun, San Pablo and San Francisco Bays and thence into the Pacific Ocean; the merging of fresh water with saline bay waters and drainage waters and the withdrawal of fresh water for beneficial uses ***creates an acute problem of salinity intrusion*** into the vast network of channels and sloughs of the Delta; the State Water Resources Development System has as one of its objectives the transfer of waters from water-surplus areas in the Sacramento Valley and the north coastal area to water-deficient areas to the south and west of the Sacramento-San Joaquin Delta via the Delta; water surplus to the needs of the areas in which it originates is gathered in the Delta and thereby provides a

§ 12201. Necessity of maintenance of water supply

The Legislature finds that the maintenance of an adequate water supply in the Delta sufficient to maintain and expand agriculture, industry, urban, and recreational development in the Delta area as set forth in Section 12220, Chapter 2, of this part, and to provide a common source of fresh water for export to areas of water deficiency is necessary to the peace, health, safety, and welfare of the people of the State, except that delivery of such water shall be subject to the provisions of Section 10505 and Sections 11460 to 11463, inclusive, of this code.

§ 12202. Salinity control and adequate water supply

Among the functions . . . by the State . . . in

Delta Hydrology Conditions

Date	Banks Pumping Plant cfs	Delta Gross Channel Depletions cfs	Rio Vista Flow cfs	QWEST cfs	Net Delta Outflow Index cfs	Percent of Inflow Diverted		Delta Status
						3 day	14 day	
4/20/2014	375	1,900	4,477	1,142	5,429	24.9%	22.2%	b
4/21/2014	467	1,900	4,959	937	5,697	24.5%	23.5%	b
4/22/2014	650	1,900	4,313	725	4,834	26.0%	25.3%	b
4/23/2014	650	1,900	4,909	624	5,324	27.1%	26.9%	b
4/24/2014	125	1,950	5,572	929	6,281	26.4%	26.8%	b
4/25/2014	125	1,950	4,470	674	4,943	26.1%	26.7%	b
4/26/2014	124	1,950	5,347	3,098	8,491	26.3%	26.5%	b
4/27/2014	467	1,950	5,230	3,300	8,579	28.2%	27.6%	b
4/28/2014	220	2,000	5,418	3,334	8,804	28.7%	28.5%	b
4/29/2014	377	2,000	5,664	3,228	8,944	28.7%	28.9%	b
4/30/2014	375	2,000	5,251	3,080	8,379	29.2%	29.1%	b
5/1/2014	375	2,000	4,003	907	4,697	29.0%	28.3%	b
5/2/2014	738	2,000	3,855	764	4,390	29.3%	27.6%	b
5/3/2014	837	2,050	3,344	602	3,699	28.4%	25.8%	b
5/4/2014	728	2,100	2,663	269	2,694	29.1%	24.9%	b
5/5/2014	432	2,100	2,974	1,761	4,485	22.8%	18.8%	b
5/6/2014	63	2,100	2,815	1,373	3,043	18.5%	14.0%	b
5/7/2014	273	2,150	3,171	1,352	4,277	13.2%	11.1%	b
5/8/2014	275	2,150	2,519	1,259	3,520	15.0%	12.7%	b
5/9/2014	275	2,200	2,123	1,123	3,013	15.5%	13.0%	b
5/10/2014	184	2,200	2,547	1,145	3,438	16.3%	13.4%	b
5/11/2014	411	2,250	3,407	1,369	4,515	15.9%	14.0%	b
5/12/2014	122	2,300	3,310	1,390	4,437	14.4%	13.7%	b
5/13/2014	0	2,300	3,361	1,225	4,313	13.6%	13.7%	b
5/14/2014	0	2,350	3,173	1,132	4,025	13.5%	13.7%	b
5/15/2014	0	2,350	2,963	1,071	3,746	14.3%	14.4%	b
5/16/2014	326	2,400	2,274	949	2,927	15.0%	14.7%	b
5/17/2014	229	2,450	2,828	920	3,476	15.0%	14.5%	b
5/18/2014	268	2,450	3,391	644	3,741	14.5%	14.0%	b
5/19/2014	171	2,500	3,237	452	3,389	13.0%	12.7%	b

Delta Gross Channel Depletions from Dayflow Table 3.

Rio Vista Flow calculated from Dayflow equation.

QWEST calculated from Dayflow equation.

Net Delta Outflow Index calculated from equation as specified in D-1611, revised June 1995.

Coordinated Operation Agreement Delta Status:

(Note: below label begins on October 1, 2013)

c = excess Delta conditions

b = balanced Delta conditions


r = excess Delta conditions with restrictions:

§ 12203. Diversion of waters from channels of delta

[N]o person . . . or public . . . agency or the State or the United States should divert water from the channels of the Sacramento-San Joaquin Delta to which the users within said Delta are entitled.

§ 12204. Exportation of water from Delta

In determining the availability of water for export from the Sacramento-San Joaquin Delta no water shall be exported which is necessary to meet the requirements of Sections 12202 and 12203 of this chapter.



§ 12205. Storage of water; integration of operation and management of release of water

[T]he operation and management of releases from storage . . . shall be integrated to the maximum extent possible in order to permit the fulfillment of the objectives of this part.



Any solution should be consistent with controlling statutes, existing regulations, water right priorities and current Water Quality Control Plan.

Therefore how does one protect the preferential Delta beneficial uses, including Fish and Wildlife uses, comply with statutes and WQCP and not affect senior right holders who have a supply?

SOLUTION

All export water in San Luis Reservoir be released back into San Joaquin River where it will provide supply and water quality benefits for preferential in-Delta uses, repulse salinity intrusion from ocean, meet WQCP objectives, avoid burdening superior rights with CVP/SWP obligations, comply with area of origin law, and protect future exports when such surplus supply once again becomes available.