

# 40 C.F.R. § 131.37

## California.

(a) *Additional criteria.* The following criteria are applicable to waters specified in the Water Quality Control Plan for Salinity for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary, adopted by the California State Water Resources Control Board in State Board Resolution No. 91-34 on May 1, 1991:

(1) *Estuarine habitat criteria.* (i) *General rule.* (A) Salinity (measured at the surface) shall not exceed 2640 micromhos/centimeter specific conductance at 25 °C (measured as a 14-day moving average) at the Confluence of the Sacramento and San Joaquin Rivers throughout the period each year from February 1 through June 30, and shall not exceed 2640 micromhos/centimeter specific conductance at 25 °C (measured as a 14-day moving average) at the specific locations noted in Table 1 near Roe Island and Chipps Island for the number of days each month in the February 1 to June 30 period computed by reference to the following formula:

$$\text{Number of days required in Month X} = \text{Total number of days in Month X} * (1 - 1/(1 + e^K))$$

where

$K = A + (B * \text{natural logarithm of the previous month's 8-River Index})$ ; A and B are determined by reference to Table 1 for the Roe Island and Chipps Island locations; x is the calendar month in the February 1 to June 30 period; and e is the base of the natural (or Napierian) logarithm.

Where the number of days computed in this equation in paragraph (a)(1)(i)(A) of this section shall be rounded to the nearest whole number of days. When the previous month's 8-River Index is less than 500,000 acre-feet, the number of days required for the current month shall be zero.

Table 1. Constants applicable to each of the monthly equations to determine monthly requirements described.

Month X	Chipps Island		Roe Island (if triggered)	
	A	B	A	B
Feb	- 1	- 1	-14.36	+ 2.068
Mar	-105.16	+ 15.943	-20.79	+ 2.741
Apr	-47.17	+ 6.441	-28.73	+ 3.783
May	-94.93	+ 13.662	-54.22	+ 6.571
June	-81.00	+ 9.961	-92.584	+ 10.699

<sup>1</sup> Coefficients for A and B are not provided at Chipps Island for February, because the 2640 micromhos/cm specific conductance criteria must be maintained at Chipps Island throughout February under all historical 8-River Index values for January.

(B) The Roe Island criteria apply at the salinity measuring station maintained by the U.S. Bureau of Reclamation at Port Chicago (km 64). The Chipps Island criteria apply at the Mallard Slough Monitoring Site, Station D-10 (RKI RSAC-075) maintained by the California Department of Water Resources. The Confluence criteria apply at the Collinsville Continuous Monitoring Station C-2 (RKI RSAC-081) maintained by the California Department of Water Resources.

(ii) *Exception.* The criteria at Roe Island shall be required for any given month only if the 14-day moving average salinity at Roe Island falls below 2640 micromhos/centimeter specific conductance on any of the last 14 days of the previous month.

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