# Bay-Delta Standards

**Contained in D-1641**

## FLOW/OPERATIONAL

### Fish and Wildlife

- **SWP/CVP Export Limits**
  - Export/Inflow Ratio \[^2\]
    - Jan: 35% of Delta Inflow \[^3\]
    - Feb-Dec: 65% of Delta Inflow
  - Minimum Delta Outflow \[^4\]
    - Jan: 3,000 - 8,000 cfs
    - Feb-Dec: 3,000 - 8,000 cfs
  - Habitat Protection Outflow
    - Jan: 7,100 - 29,200 cfs \[^5\]
    - Feb-Dec: 3,000 - 8,000 cfs
  - Salinity Starting Condition \[^6\]
    - Jan: 710 - 3,420 cfs
    - Feb-Dec: 710 - 3,420 cfs

### River Flows:

- **@ Rio Vista**
  - Jan: 7,100 - 29,200 cfs
  - Feb-Dec: 7,100 - 29,200 cfs

- **@ Vernalis - Base**
  - Jan: 710 - 3,420 cfs
  - Feb-Dec: 7,100 - 29,200 cfs

- **- Pulse**
  - Jan: 710 - 3,420 cfs
  - Feb-Dec: 710 - 3,420 cfs

### Delta Cross Channel Gates

- Jan: Closed
- Feb-Dec: Closed

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## WATER QUALITY STANDARDS

### Municipal and Industrial

- **All Export Locations**
  - Jan: < 250 mg/l Cl
  - Feb-Dec: < 250 mg/l Cl

- **Contra Costa Canal**
  - Jan: 150 mg/l Cl for the required number of days \[^12\]
  - Feb-Dec: 150 mg/l Cl for the required number of days

### Agriculture

- **Western/Interior Delta**
  - Jan: Max. 14-day average EC mmhos/cm \[^13\]
  - Feb-Dec: Max. 14-day average EC mmhos/cm

- **Southern Delta \[^14\]**
  - Jan: 1.0 mS
  - Feb-Dec: 1.0 mS

### Fish and Wildlife

- **San Joaquin River Salinity \[^15\]**
  - Jan: 14-day avg: 0.44 EC
  - Feb-Dec: 12.5 EC

- **Suisun Marsh Salinity \[^16\]**
  - Jan: 19.0 EC
  - Feb-Dec: 11.0 EC

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[^1]: [See Footnotes](#)

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Operations Compliance and Studies Section

Revised 9/29/00

Preliminary: Subject to Revision
Maximum 3-day running average of combined export rate (cfs) which includes Tracy Pumping Plant and Clifton Court Forebay inflow less Byron-Bethany pumping.

$ \text{EC value from } 0.45 \text{ EC from }$ 0.45

**Footnotes**

[1] Maximum 3-day running average of combined export rate (cfs) which includes Tracy Pumping Plant and Clifton Court Forebay inflow less Byron-Bethany pumping.

[2] This time period may need to be adjusted to coincide with fish migration. Maximum export rate may be varied by CALFED's group.

[3] The maximum percent of average Delta inflow (use 3-day average for balanced conditions with storage withdrawal, otherwise use 14-day average) diverted at Clifton Court Forebay (excluding Byron-Bethany pumping) and Tracy Pumping Plant using a 3-day average. (These percentages may be adjusted upward or downward depending on biological conditions, providing there is no net water cost.)

[4] The maximum percent Delta inflow diverted for Feb may vary depending on the January BR.

[5] Minimum monthly average Delta outflow (cfs). If monthly standard < 5,000 cfs, then the 7-day average must be within 1,000 cfs of standard; if monthly standard > 5,000 cfs, then the 7-day average must be ≥ 90% of standard.

[6] The maximum percent Delta inflow diverted for Feb may vary depending on the January BR.

[7] Minimum monthly average Delta outflow (cfs). If monthly standard ≤ 5,000 cfs, then the 7-day average must be within 1,000 cfs of standard; if monthly standard > 5,000 cfs, then the 7-day average must be ≥ 90% of standard.

[8] Minimum of 0 if the 3-day BR is greater than 800 TAF.

[9] Minimum 3-day running average of daily Delta outflow of 7,100 cfs OR, either the daily average or 14-day running average EC at Collinsville is less than 2.64 mmhos/cm (This standard for March may be relaxed if the Feb BR is less than 500 TAF). The standard does not apply in May and June if the May estimate of the SRI is < 81.0 MAF. (In the 50% exceedence level in which case a minimum 14-day running average flow of 4,000 cfs is required.) For additional details onoutflow objectives, see TABLE A.

[10] February starting salinity: If Jan BR > 900 TAF, then the daily or 14-day running average EC @ Collinsville must be < 2.64 mmhos/cm for at least one day between Feb 1-14. If Jan BR is between 650 TAF and 900 TAF, then the CALFED's group will determine if this requirement must be met.

[11] Rio Vista minimum monthly average flow rate in cfs (the 7-day running average shall not be less than 1,000 below the monthly objective).

[12] Costa Island outflow objectives, see Table A.

[13] This table and Table B should be read together.

[14] Base Velma salinity minimum monthly average flow rate in cfs (the 7-day running average shall not be less than 20% below the objective).

[15] Table A: PULSE Velma minimum monthly average flow rate in cfs. Take the higher objective if X2 is required to be west of Chippis Island.

[16] Minimum # of days that the mean daily chloride ≤ 150 mg/l must be provided in intervals of not less than 2 weeks duration. Standard applies at Contra Costa Canal Intake or Antioch Water Works Intake.