

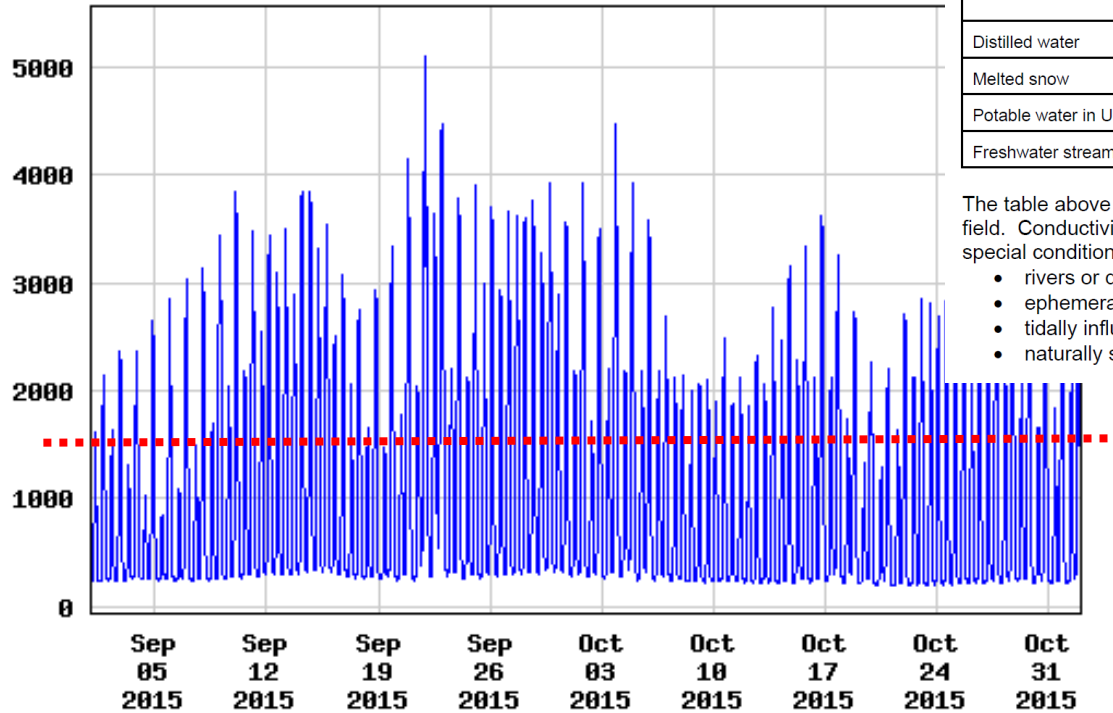
The standard for fresh water quality in the Delta used to be charted as 1 PPT. How many ppt is estimated at 2000 EC? 3000 EC? Screen print was taken by N. Suard, then the red dotted line was added to graphically demonstrate the times in September 2015 when EC levels at the Rio Vista monitoring station were above the maximum level for freshwater or potable drinking water.

https://nwis.waterdata.usgs.gov/nwis/uv/?ts_id=16195&format=img_stats&site_no



USGS 11455420 SACRAMENTO R A RIO VISTA CA

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius



----- Provisional Data Subject to Revision -----

What are the Typical Ranges?

Conductivity of Water

Water Type	Conductivity (umhos/cm)
Distilled water	0.5 - 3.0
Melted snow	2 - 42
Potable water in U.S.	30 - 1500
Freshwater streams	100-2000

The table above shows some ranges of conductivity values you might encounter in the field. Conductivity can be much higher than the maximum values shown above under special conditions in some waters, for examples:

- rivers or drainage ditches dominated by subsurface agricultural return flows,
- ephemeral streams or pools late in the season,
- tidally influenced coastal waters, and
- naturally saline or brackish lakes or ponds