

### Degradation of Water Quality in the Delta in the Fall after 1994

Prior to 1995, the salinities in the Delta in the Fall as represented by the specific conductance (EC) measured at Jersey Point on the San Joaquin River followed a relatively coherent relationship between monthly-averaged EC and water year index (represented by the Sacramento Valley 40-30-30 index). From about 1995 to 2008, the salinities in October and November were generally much higher than would have been expected based on water year type.

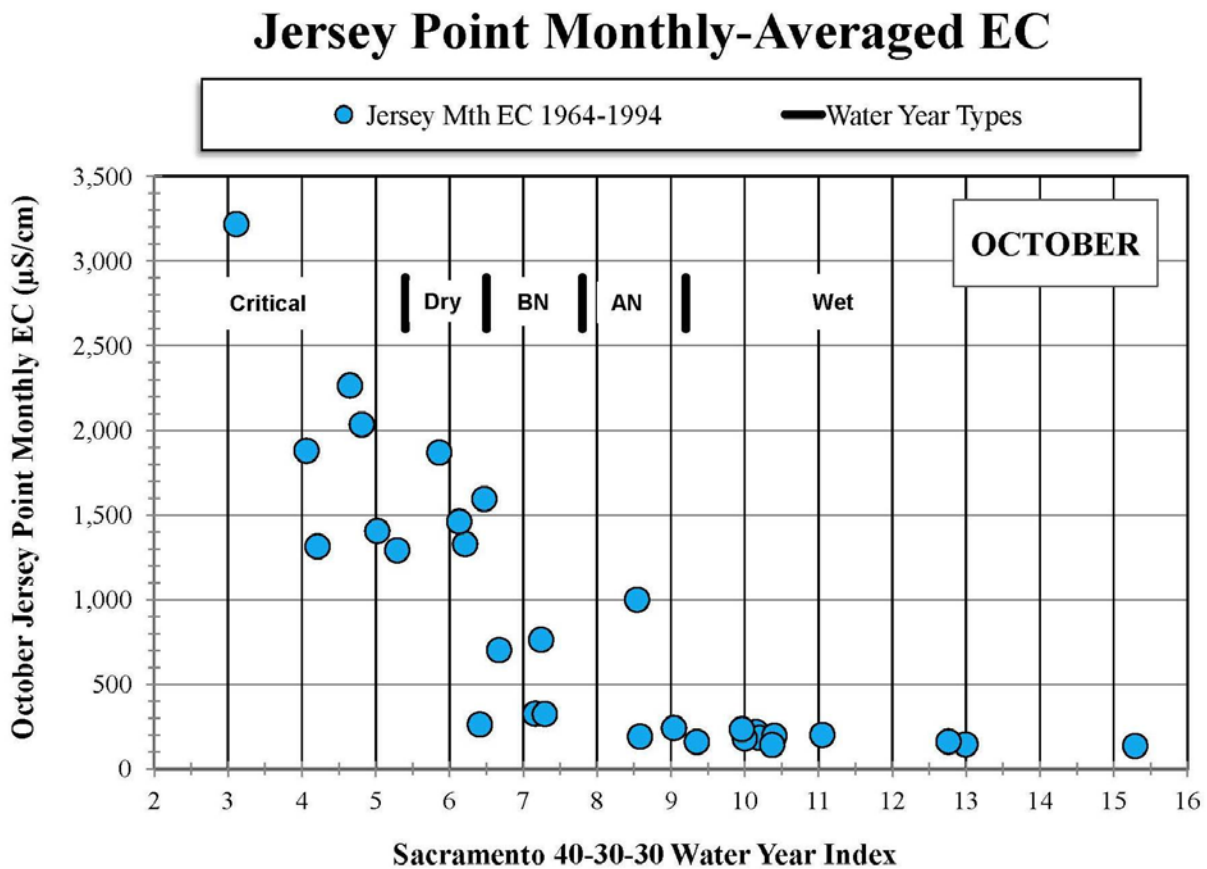


Figure 1: Monthly-averaged EC at Jersey Point as a function of Sacramento Valley water year index in October from 1964-1994

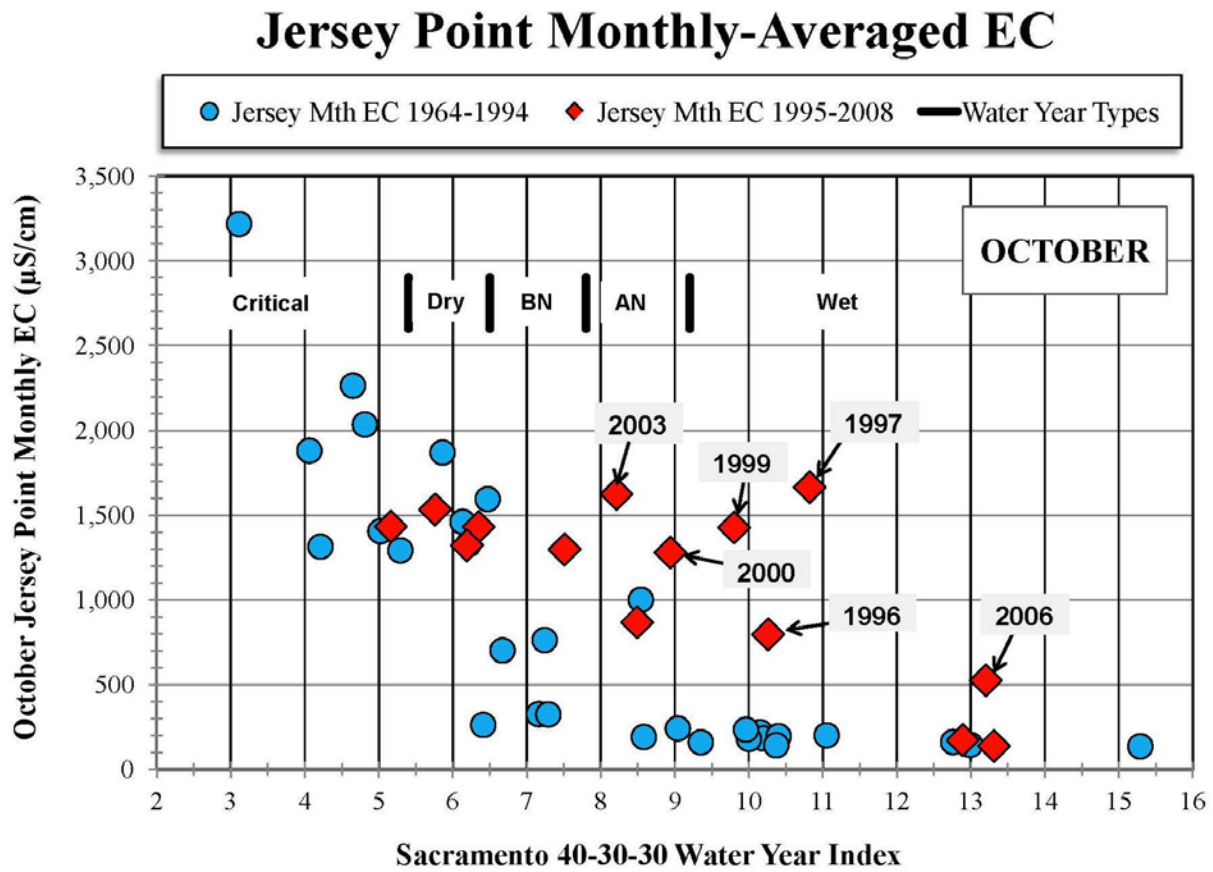


Figure 2: Monthly-averaged EC at Jersey Point as a function of Sacramento Valley water year index in October from 1964-2008

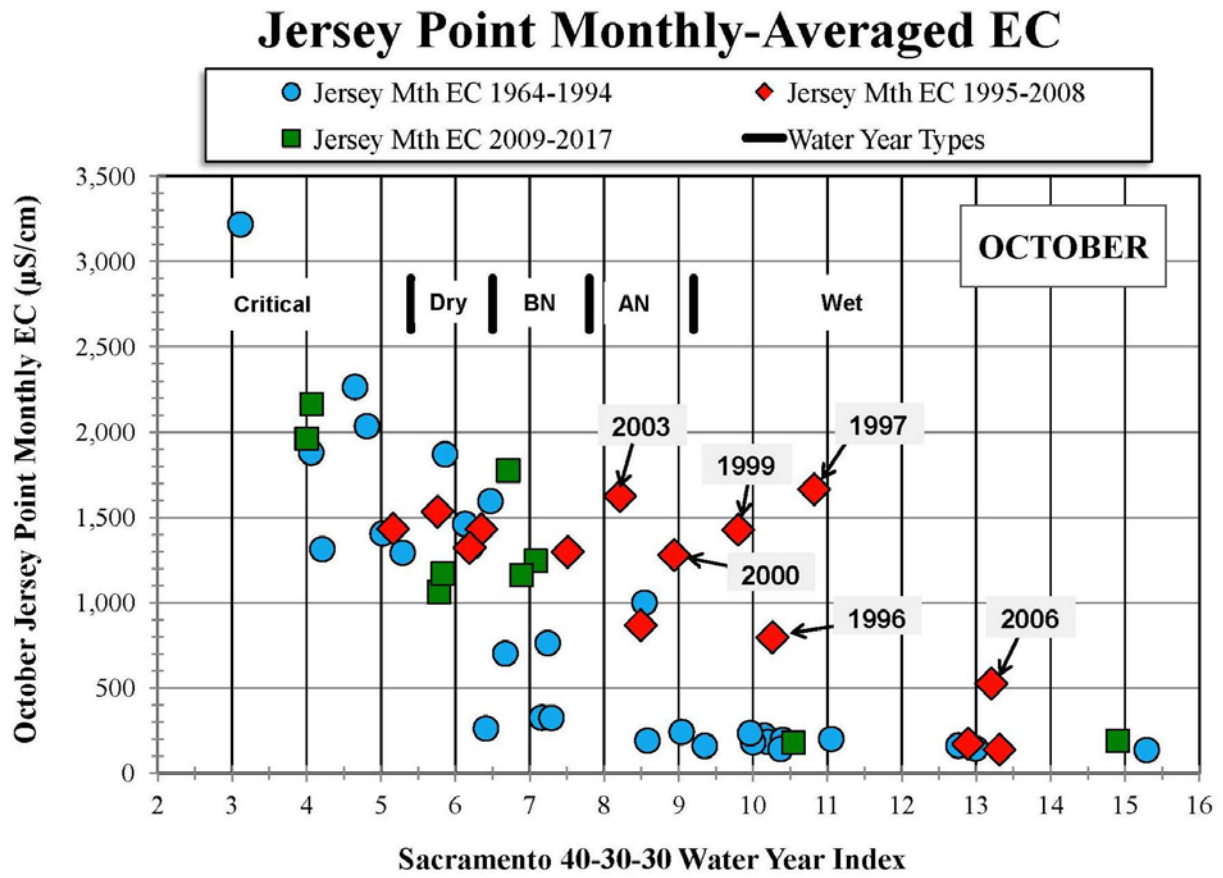


Figure 3: Monthly-averaged EC at Jersey Point as a function of Sacramento Valley water year index in October from 1964-2017

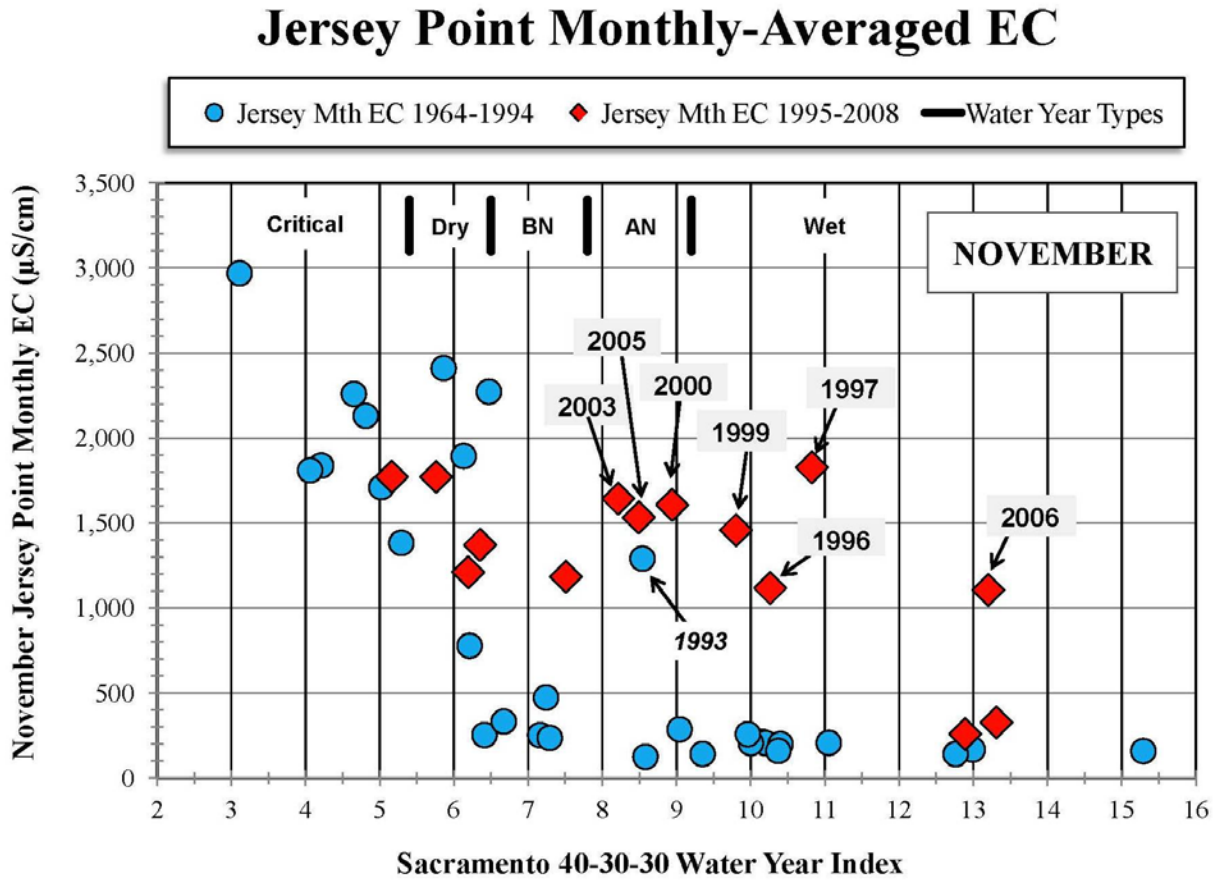


Figure 4: Monthly-averaged EC at Jersey Point as a function of Sacramento Valley water year index in November from 1964-2008

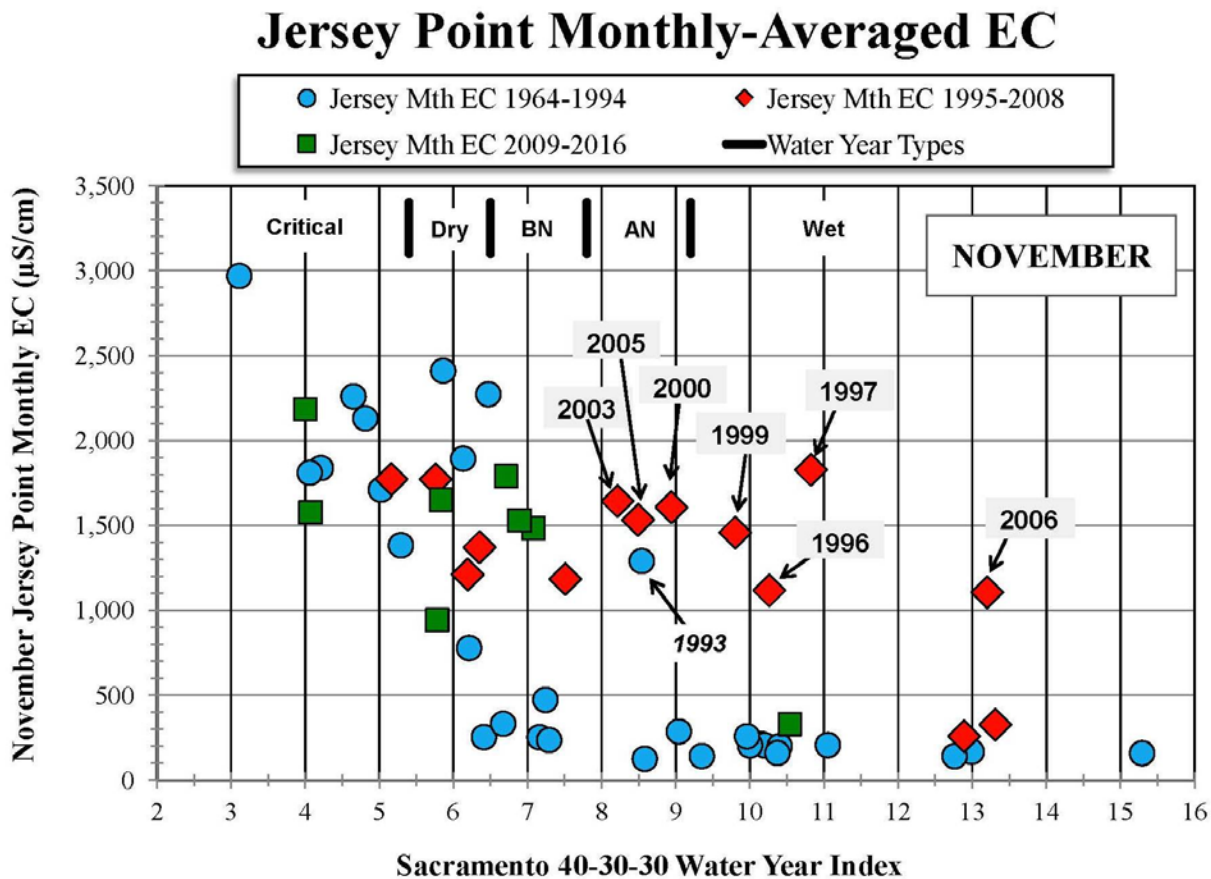


Figure 5: Monthly-averaged EC at Jersey Point as a function of Sacramento Valley water year index in November from 1964-2017