

Water Quality in the Delta – WaterFix BA PA Modeling

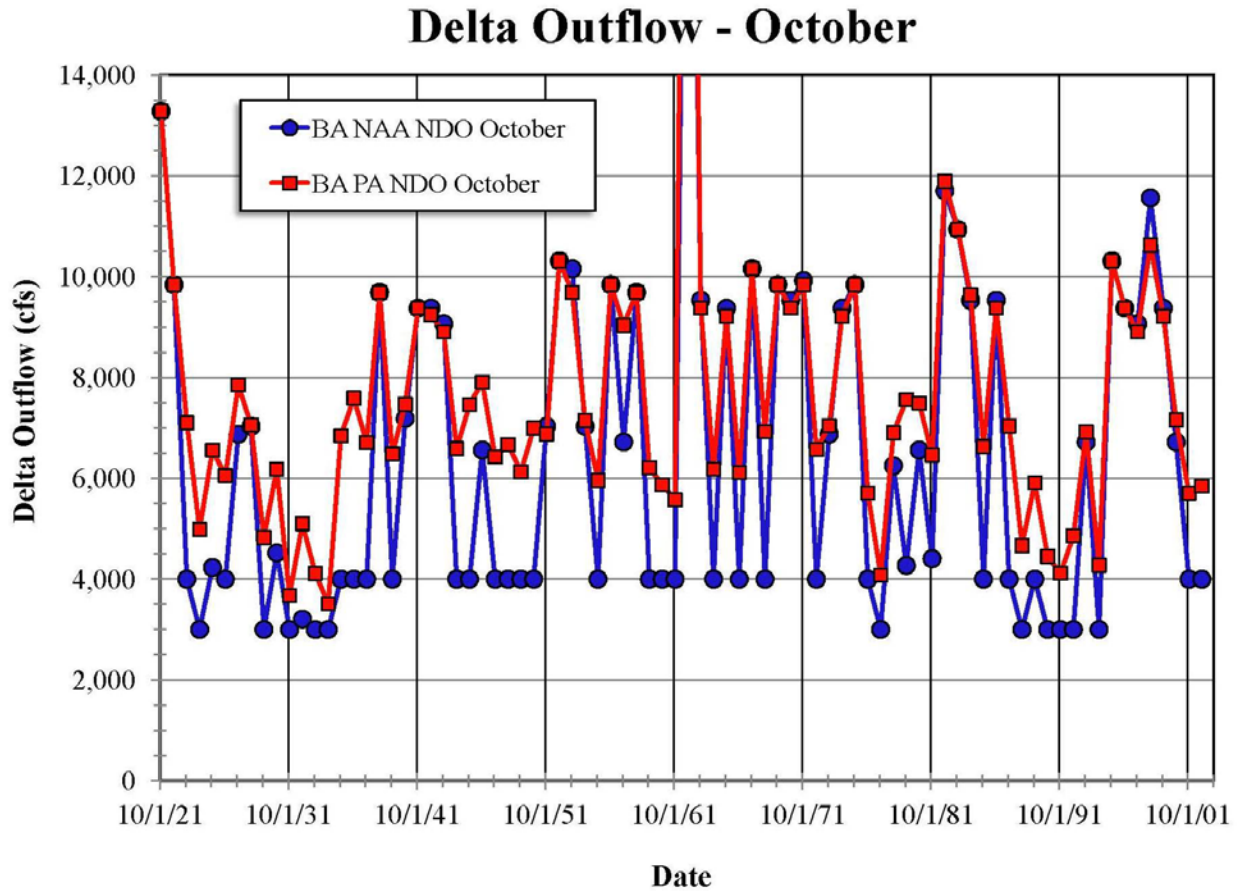


Figure 1: Time series of the monthly-averaged Delta outflows for the month of October for the Biological Assessment Proposed Action and No Action Alternative for water years 1922-2003. The simulated Delta outflows for the Proposed Action are too high and are not a realistic simulation of how the WaterFix project would actually operate.

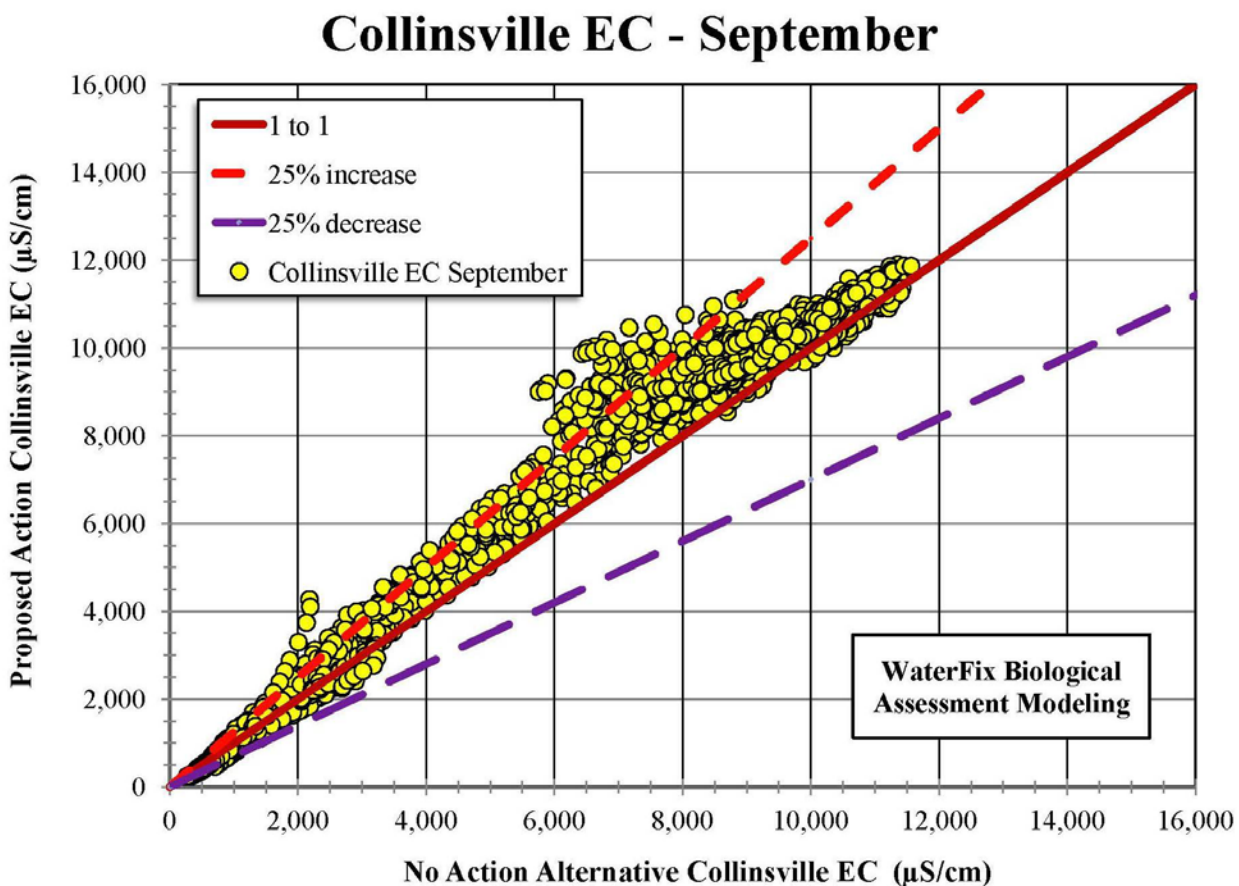


Figure 2: Collinsville specific conductance (daily-averaged EC) for the Biological Assessment (BA) Proposed Action (PA) as a function of the Biological Assessment No Action Alternative (NAA) for the month of September. The full 82-year set of daily-averaged water quality data (1922-2003) is plotted. Data above the diagonal 1:1 line represent increases in Delta salinity relative to the NAA. The WaterFix preferred alternative project would increase EC in September by 25% or more in many cases.

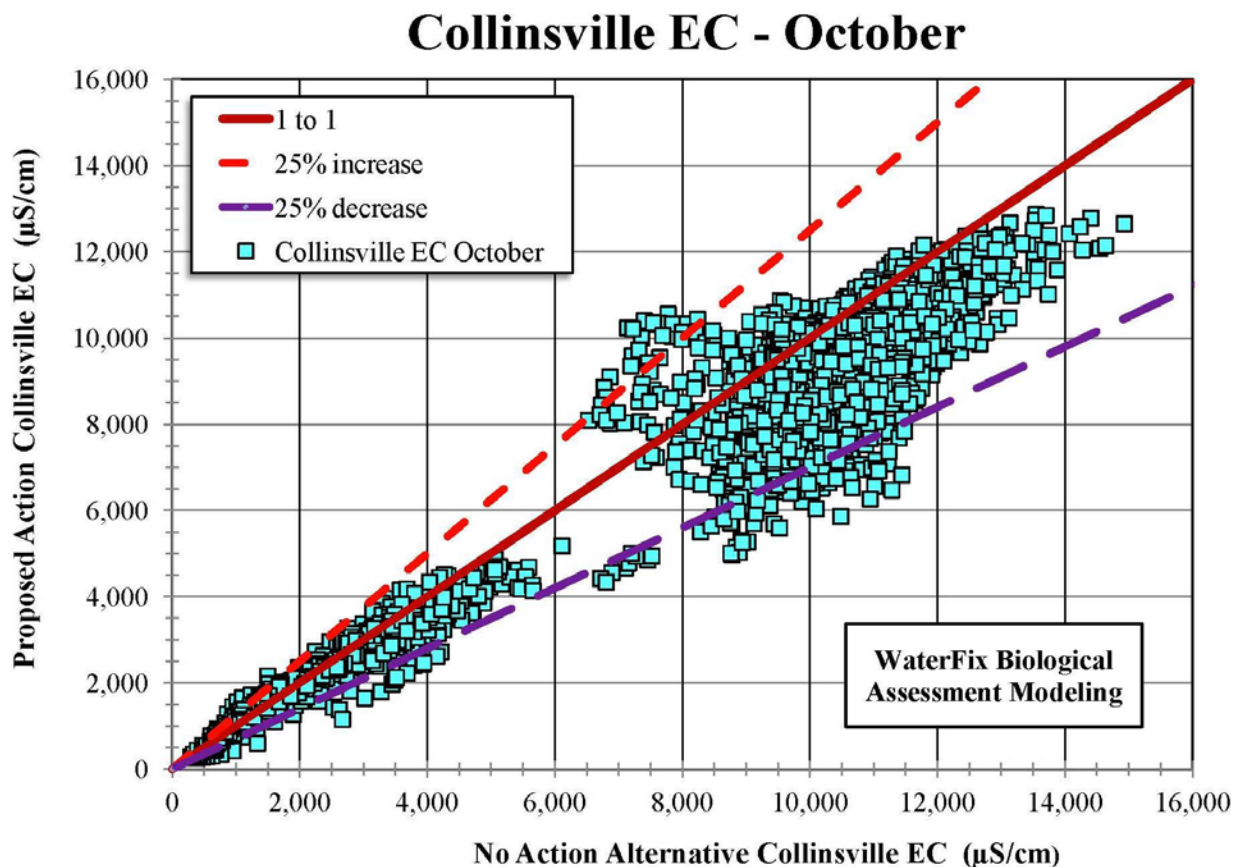


Figure 3: Collinsville specific conductance (daily-averaged EC) for the Biological Assessment Proposed Action as a function of the Biological Assessment No Action Alternative for the month of October. The full 82-year set of daily-averaged water quality data is plotted (water years 1922-2003). Because of the unrealistically high outflows in October, potentially significant adverse impacts of the WaterFix proposed project on Delta water quality are masked and not disclosed.