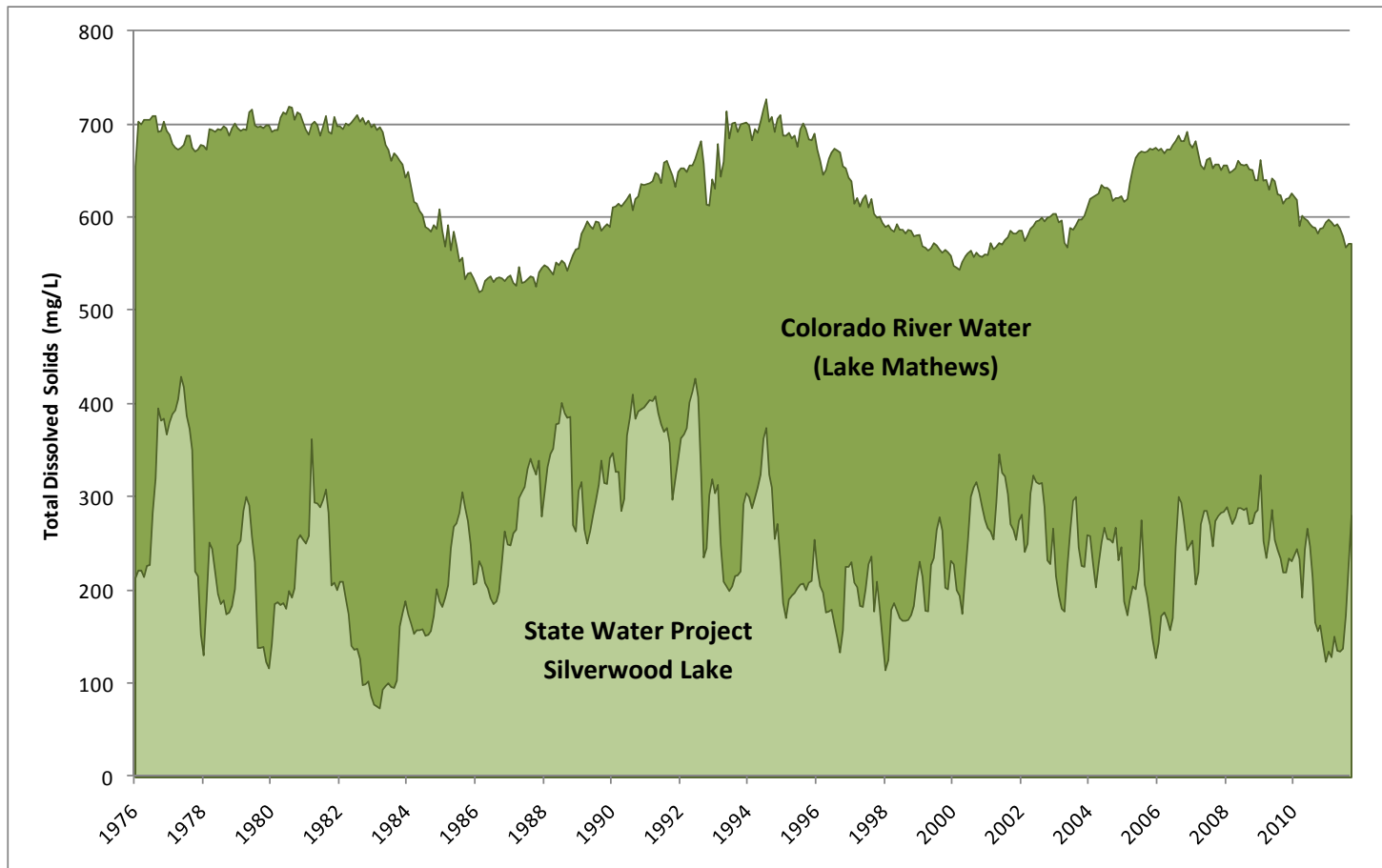


Salinity in Metropolitan Supplies

Historical Trends

Hand-Out #2



Colorado River

- Colorado River TDS Averages ~ 630 mg/L
- Approx. half from natural sources: prehistoric inland sea marine environment
- Anthropogenic sources: primarily irrigation mobilizing salts
- Gradual changes over time with large storage reservoirs

State Water Project

- State Water Project TDS Averages ~ 250 mg/L (East Branch); 325 mg/L (West Branch)
- Salinity increases as water flows through Delta: seawater intrusion, agriculture return flows, and wastewater discharges
- Rapid seasonal fluctuation trends based on Delta hydrology and tidal flow patterns