

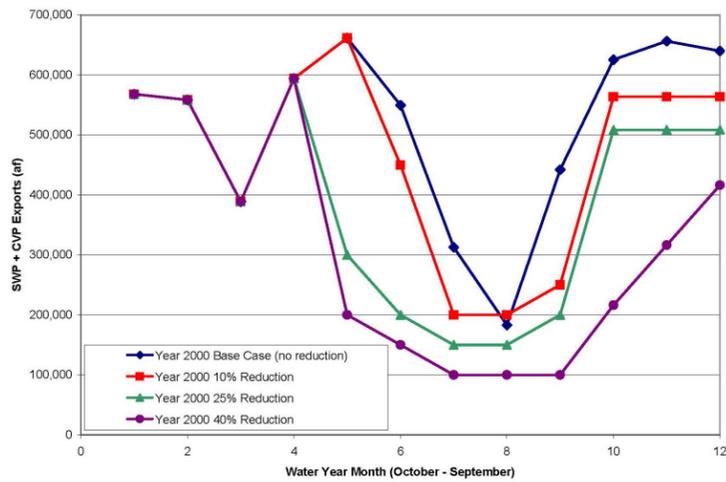
Reduce Exports Purpose

- For Normal Conditions (No Levee Breaches)
 - Decrease adverse impacts on fish
- In a Levee Breach Event
 - Reduce risk for urban water users
 - Reduce risk for agricultural water users
 - Reduce risk for fish

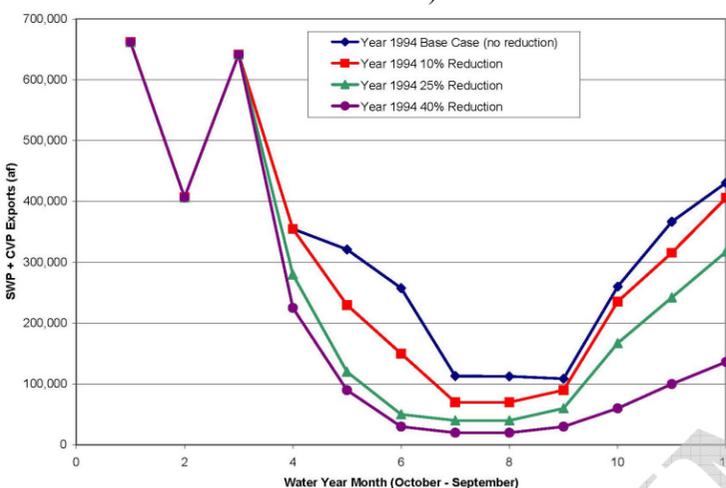
Reduce Exports Options

- 10% Reduction
- 25% Reduction
- 40% Reduction

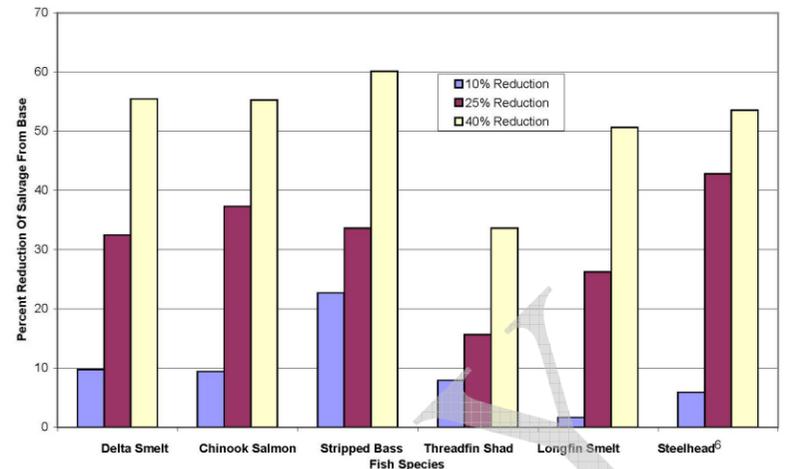
Apply to all types of water years but vary the monthly reductions within water years, based on benefits to fish.



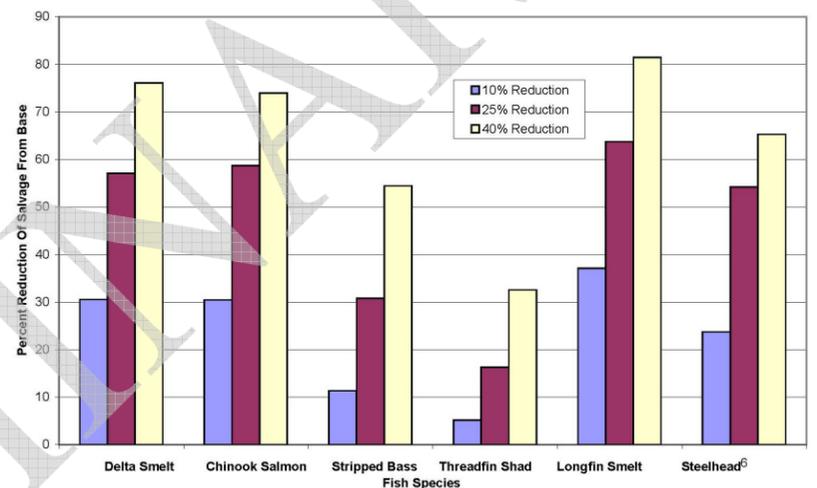
Monthly Water Exports with Reductions – Normal or Wet Years – Water Year 2000 as Example (Above Normal Year Preceded by Wet Year)



Monthly Water Exports with Reductions – Dry or Critical Years – Water Year 1994 as Example (Critical Year Preceded by Above Normal Year)



Percent Reduction in Fish Salvage for Various Reductions in Delta Exports Wet or Normal Year – Water Year 2000 as an Example



Percent Reduction in Fish Salvage for Various Reductions in Delta Exports Dry or Critical Year – Water Year 1994 as an Example

Results for Normal Conditions

- Urban Water Users – Intensify conservation, purchase from Ag, or develop alternate supplies, all at high cost. Agricultural Users – Intensify conservation, sell to Urban, fallow land, develop more ground water, switch to higher value crops.
- Fish – Less entrainment at pumps and less salvage at fish screens (so less handling stress and predation mortality). Also more Delta outflow so improved habitat.

Risk Reduction for Levee Breaches

Urban Water Users – Uncertain, may reduce consequences if less dependent on Delta supply or may increase consequences if limited Delta supply has more value.

Agricultural Water Users – Uncertain, but likely to increase consequences because of higher value crops, more dependence on limited supply, and decreased ability to draw on contingent supplies.

Fish – Larger and stronger population is more likely to regenerate avoiding extinction.

Issues/Concerns with Decreased Exports

- Need more detailed analysis of urban and agricultural responses and costs.
- Need analysis of increase versus decrease of water user risk.
- Need to assess other water year and monthly strategies for applying decreases.