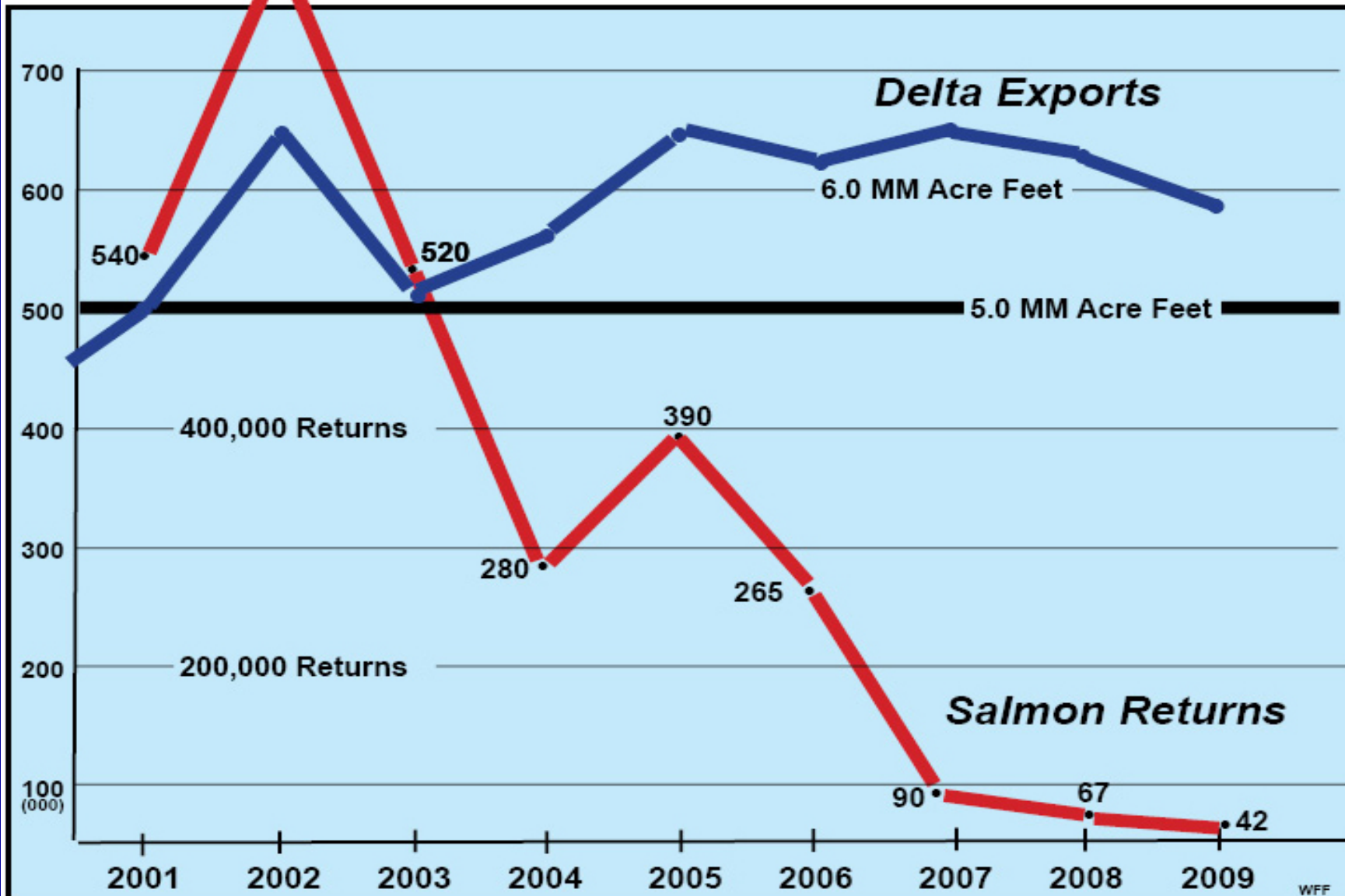


San Joaquin Flow Increases

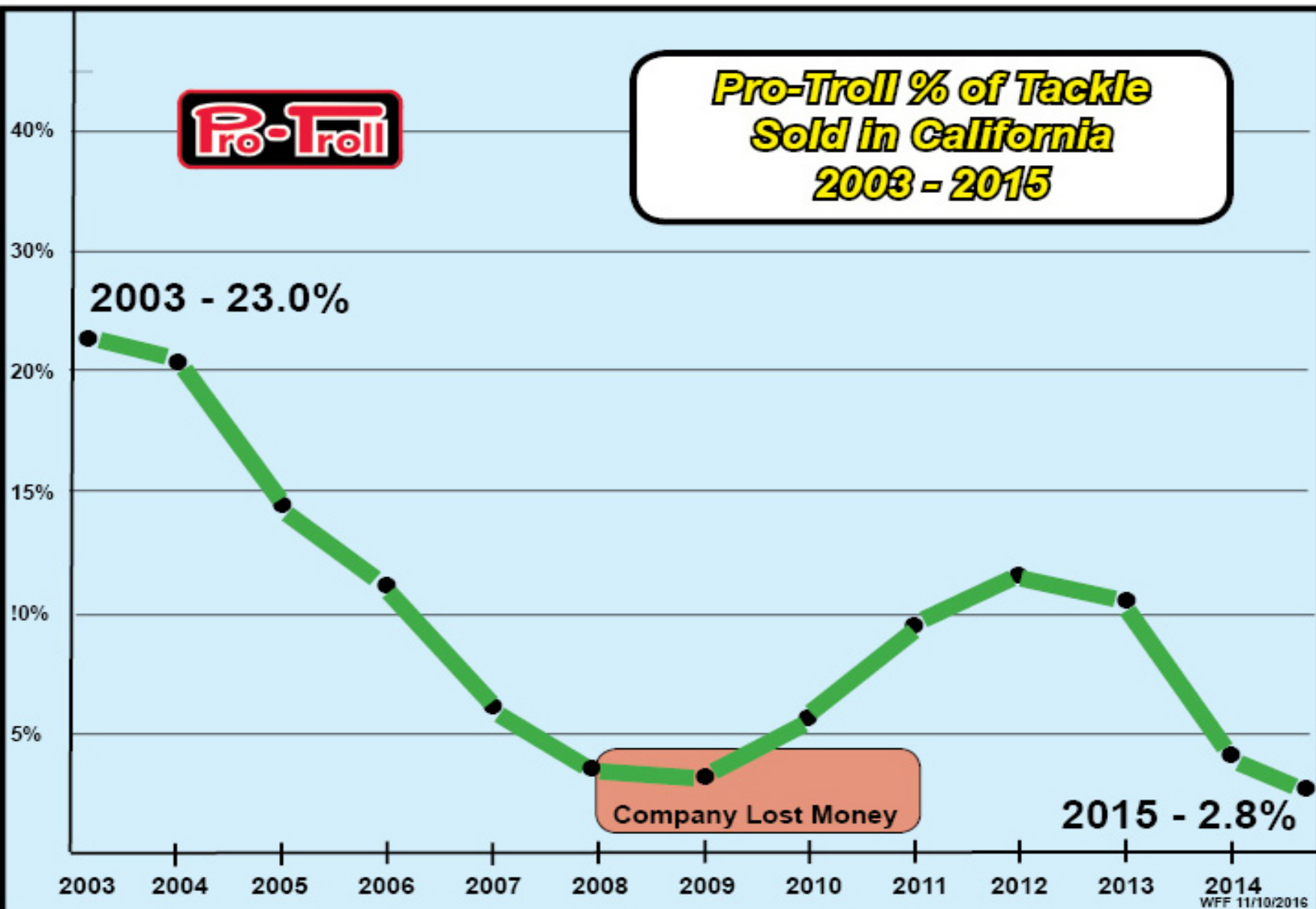
Dick Pool

November 29, 2016



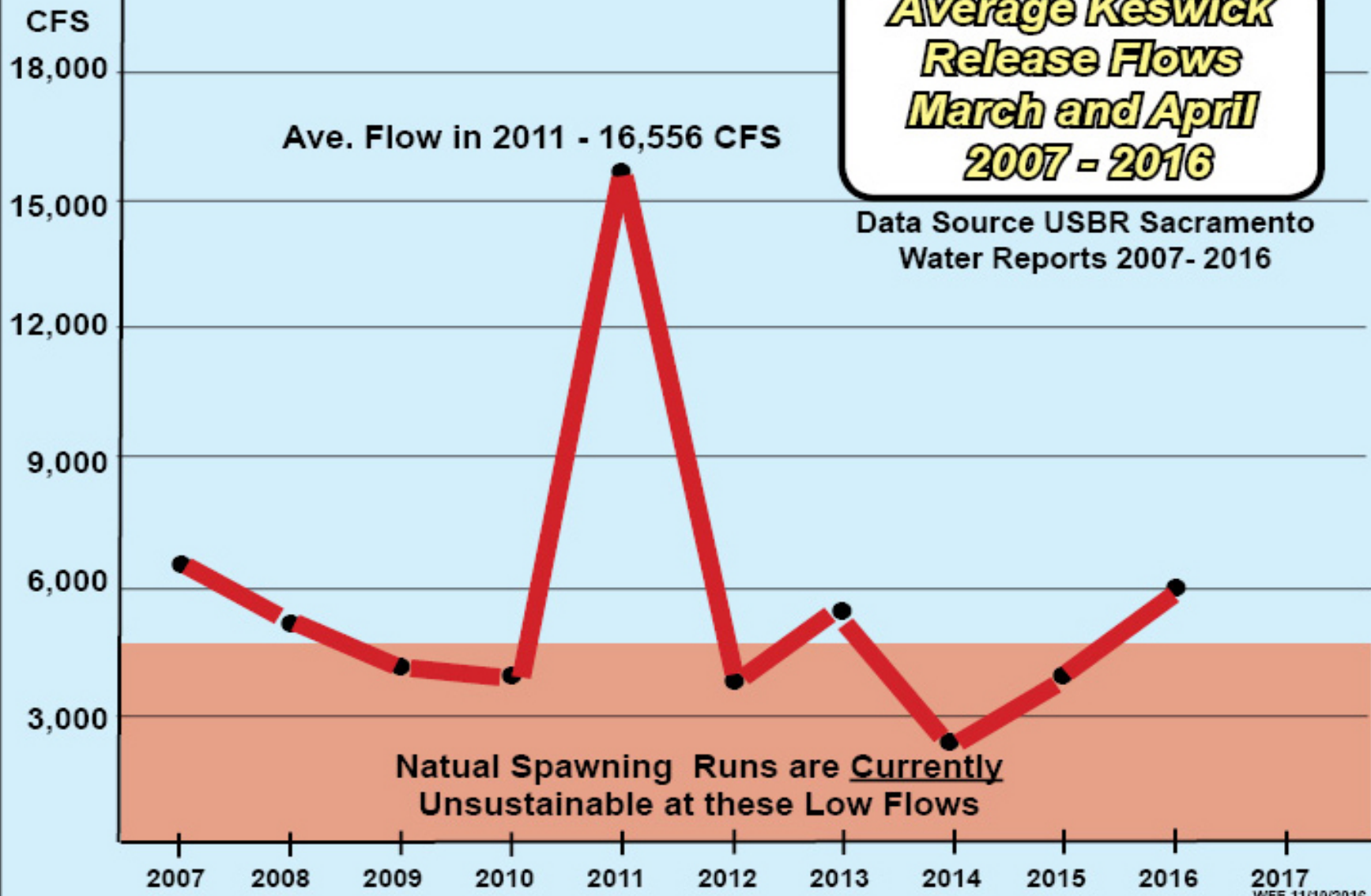


**Pro-Troll % of Tackle Sold in California
2003 - 2015**



**Average Keswick
Release Flows
March and April
2007 - 2016**

Data Source USBR Sacramento
Water Reports 2007- 2016



Central Valley Fall-Run Ocean Abundance 2000 - 2018

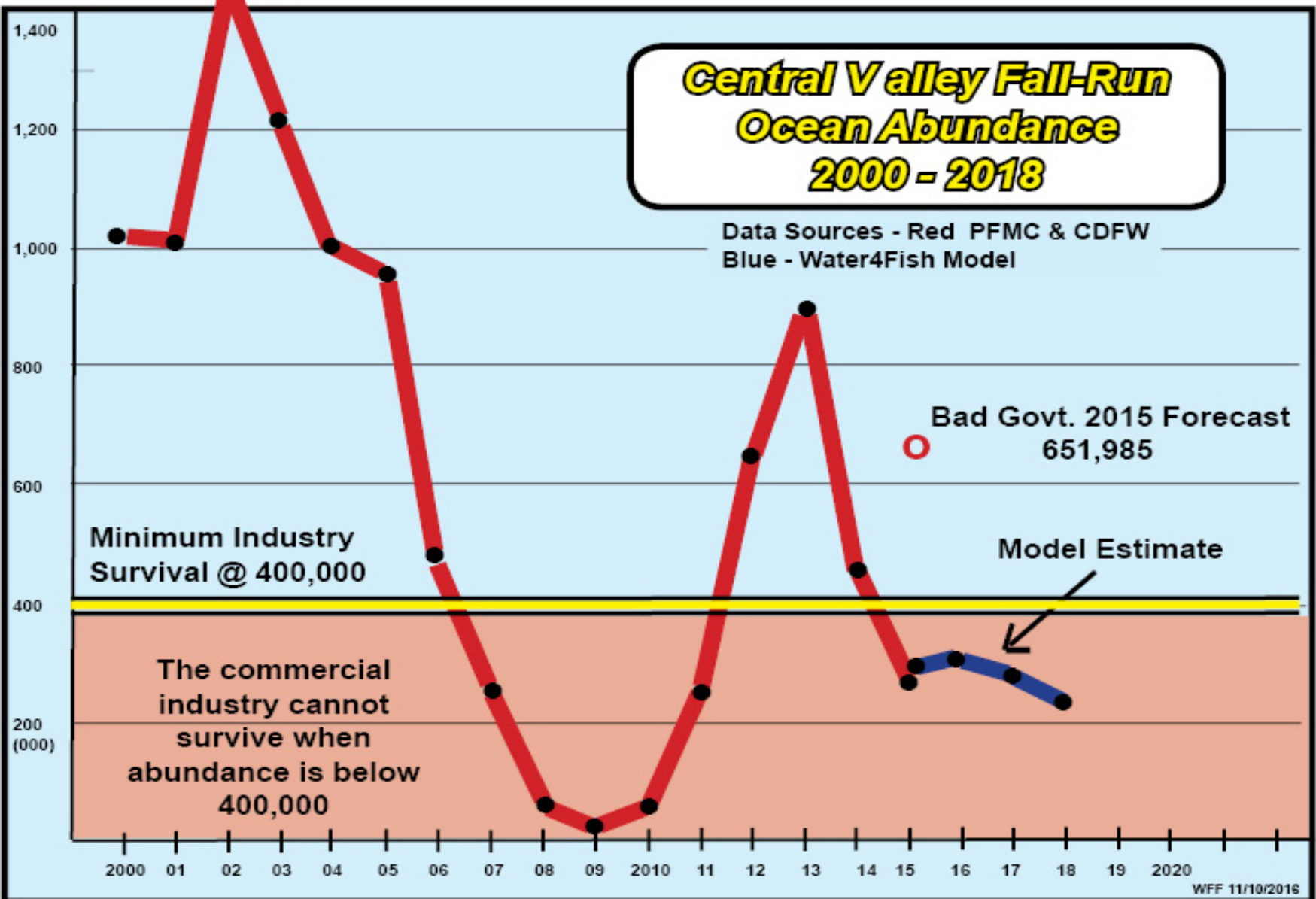
Data Sources - Red PFMC & CDFW
Blue - Water4Fish Model

Bad Govt. 2015 Forecast
651,985

Minimum Industry
Survival @ 400,000

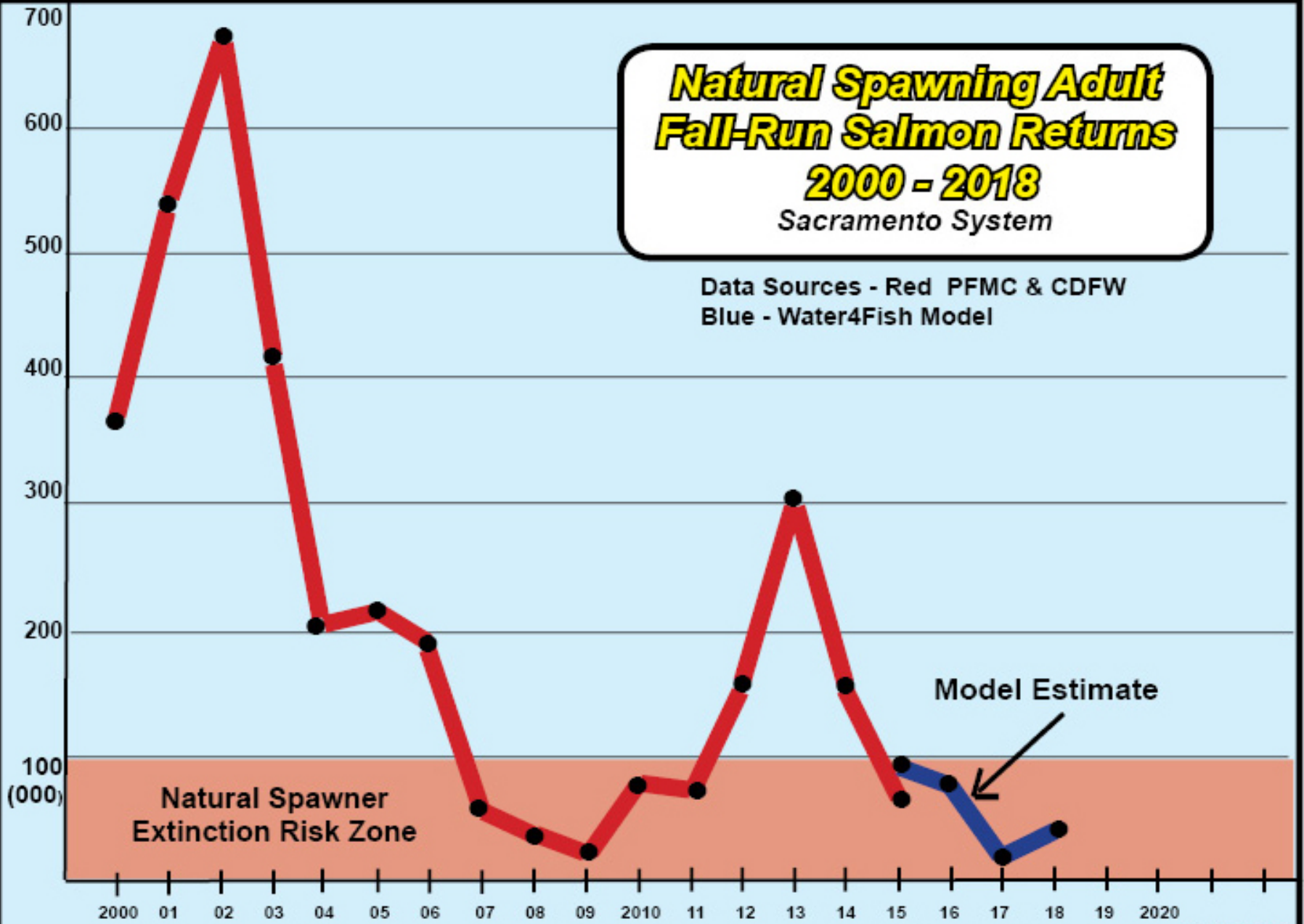
Model Estimate

The commercial
industry cannot
survive when
abundance is below
400,000



Natural Spawning Adult Fall-Run Salmon Returns 2000 - 2018 Sacramento System

Data Sources - Red PFMC & CDFW
Blue - Water4Fish Model



Keys to Joaquin Success

- **Increase Flows**
- **Reduce Entrainment and Predation
at the Pumps**
 - **Eliminate Straying at the
Cross Channel Gates**