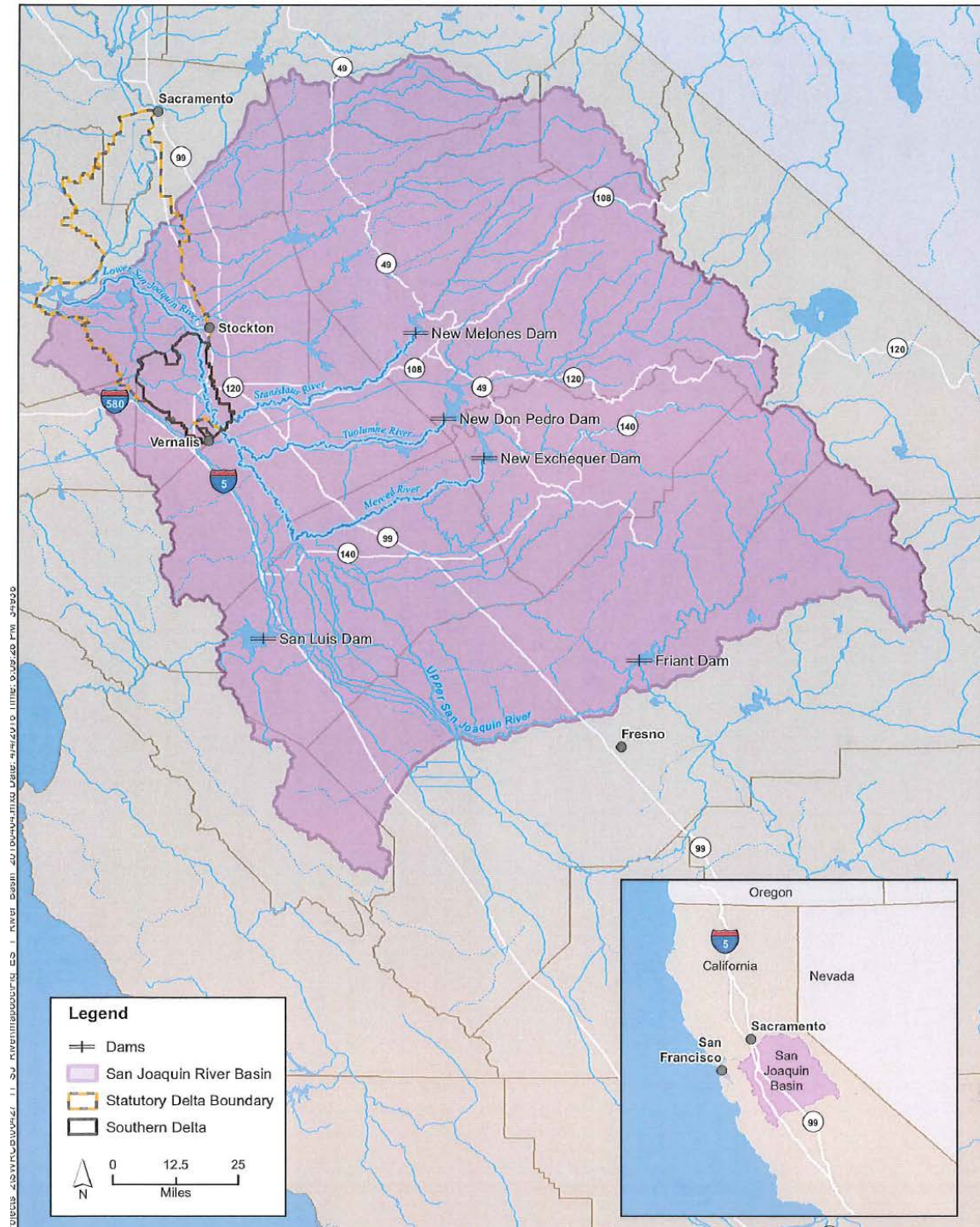


Estimated Effect on Average Annual Surface Water Diversion

	Stanislaus (TAF)/(%)	Tuolumne (TAF)/(%)	Merced (TAF)/(%)	Total (TAF)/(%)
Baseline	637/100	851/100	580/100	2,068/100
30% UF Objective	-33/-5	-56/-7	-60/-10	-149/-7
40% UF Objective	-79/-12	-119 /-14	-95/-16	-293/-14
50% UF Objective	-136 / -21	-193/-23	-136/ -23	-465/-23

TAF = thousand acre-feet per year



PROJECT: 43377FC2E0W04Z_11_SJ_RiverImpacts0001.dwg, ES_1_River_Basin_20180404.mxd, DATE: 4/11/2018 11:11:00 AM, USER: P.W. 3/19/20

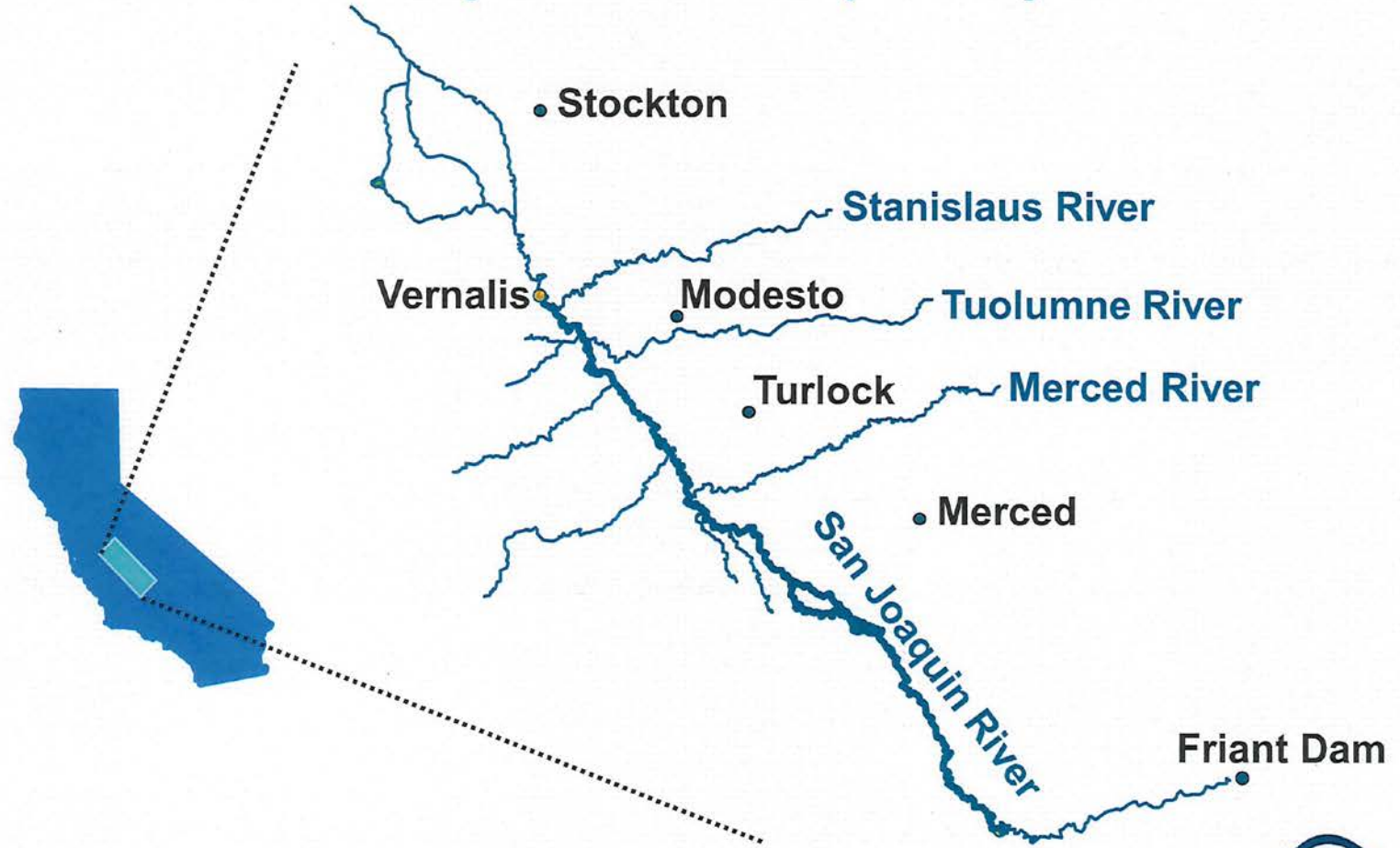
Legend

- ⊥ Dams
- San Joaquin River Basin
- Statutory Delta Boundary
- Southern Delta

0 12.5 25
Miles



Lower San Joaquin River (LSJR) Basin

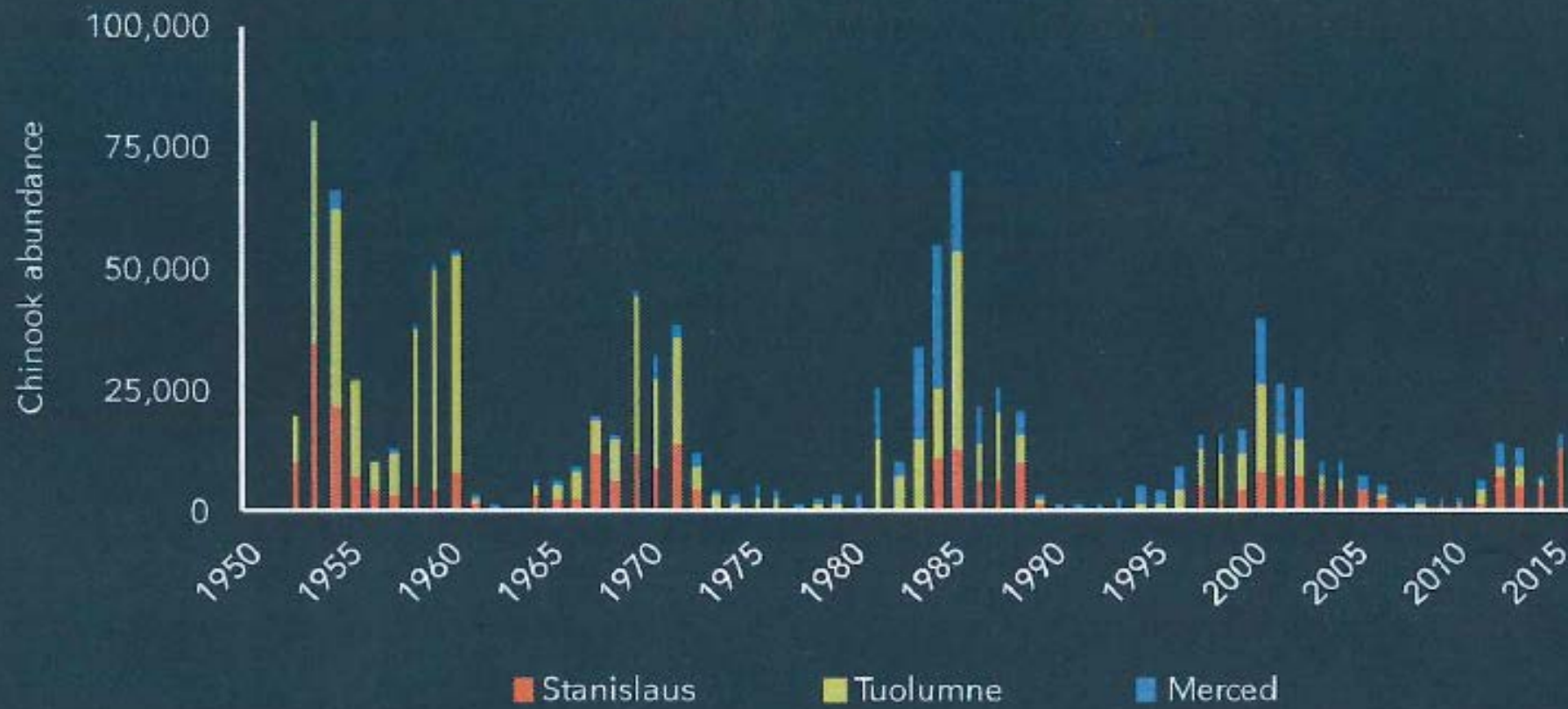


*Table 2-9
 Draft Technical Report on the Scientific Basis for Alternative
 San Joaquin River Flow and Southern Delta Salinity Objectives
 October 29, 2010*

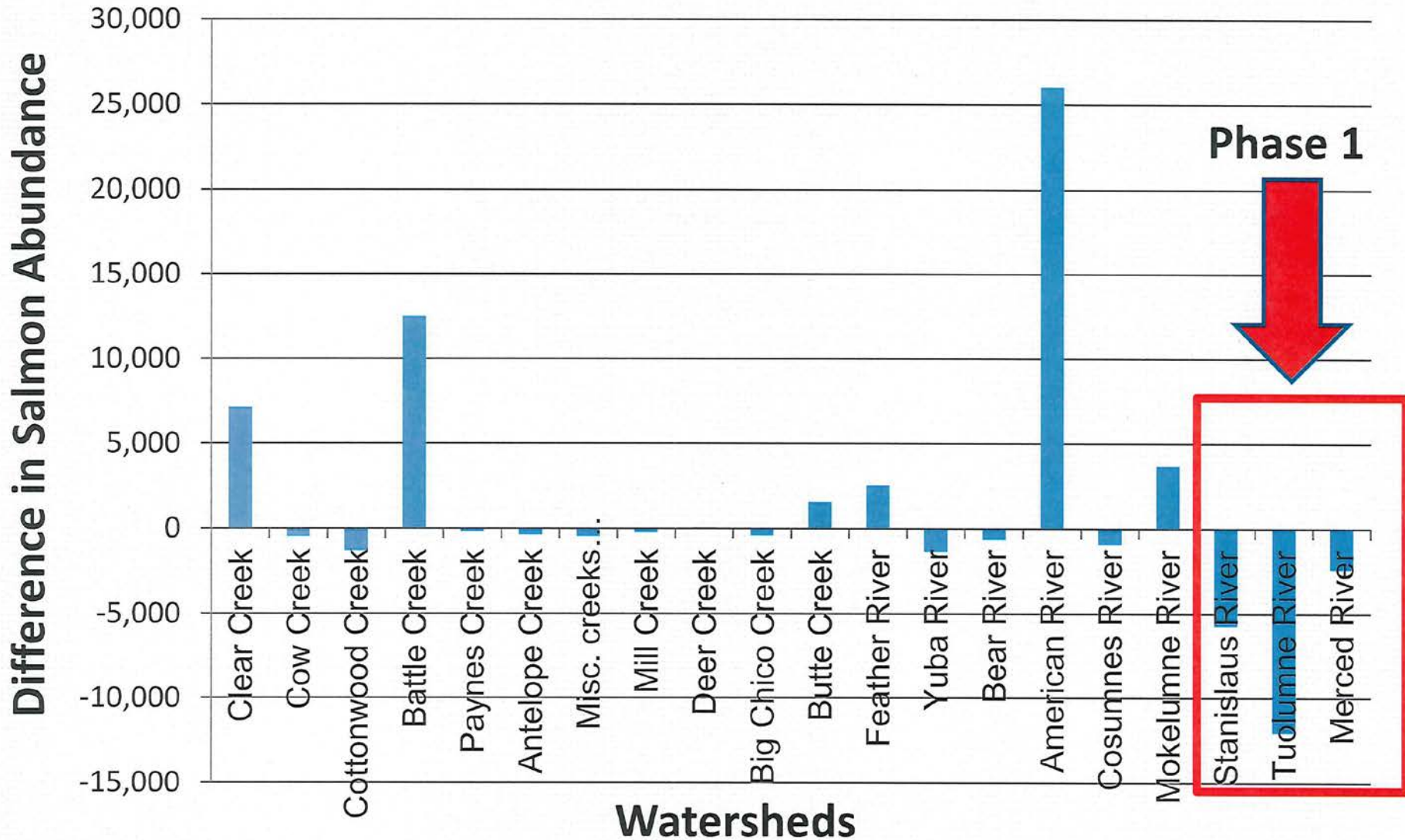
Table 2-9. Average annual percent contribution of unimpaired flow and observed flow by major SJR tributaries to flow at Vernalis

	Stanislaus	Tuolumne	Merced	Upper SJR at Friant	Remainder
Unimpaired Flow (1984 to 2009)	18%	31%	16%	29%	6%
Observed Flow (1984 to 2009)	27%	26%	15%	10%	22%

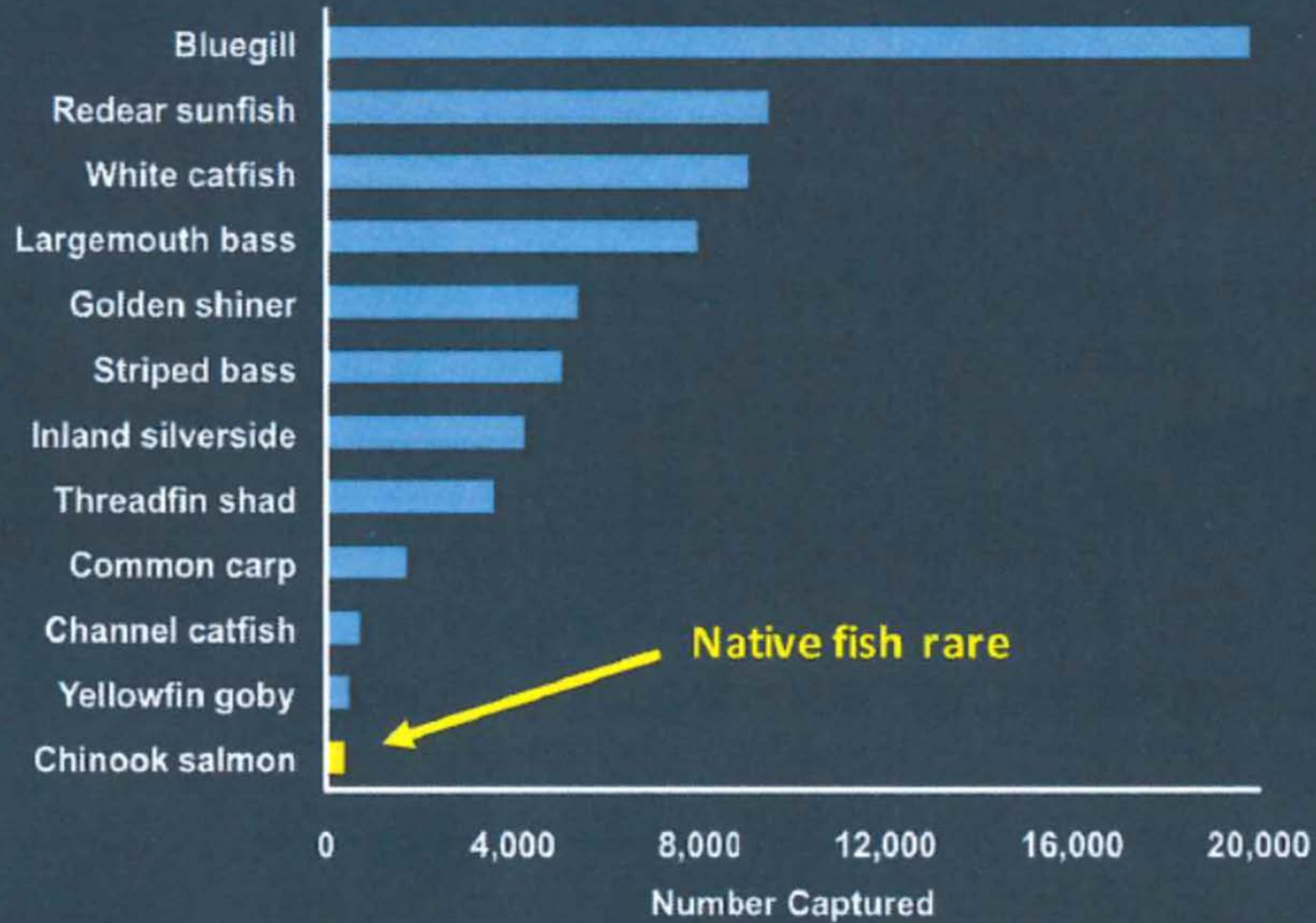
Chinook Abundance Trend at Basin Scale



Difference in Adult Fall-run Chinook Salmon Natural Production (1992 to 2011 average minus 1967 to 1991 average) ¹¹

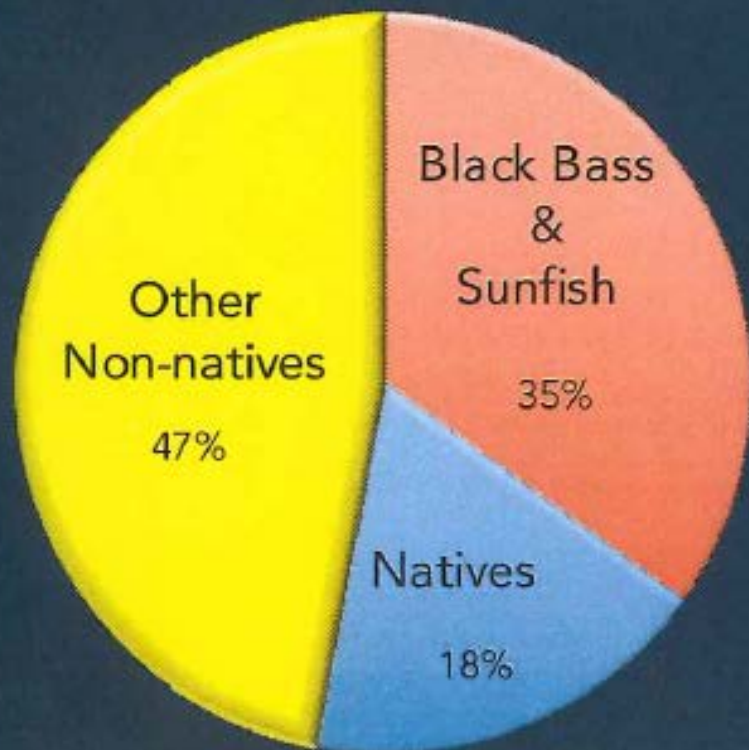


Delta Fishery Dominated by Non-native Species

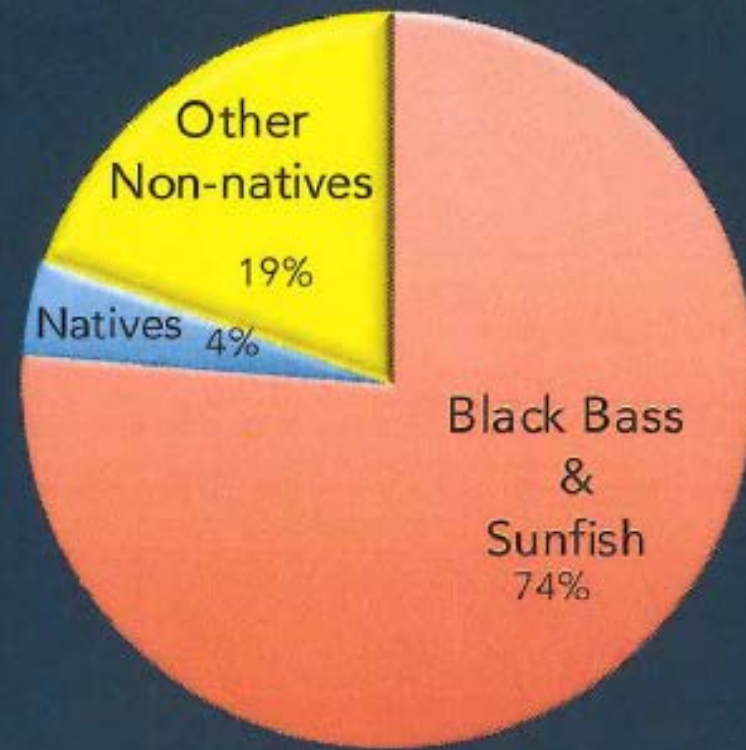


Centrarchid Abundance Continues to Increase

1981-82



2009-10



J. Louise Conrad, Kelly L. Weinersmith, Matthew J. Young, Denise de Carion, Erin Hestir, Maria Santos, Patrick Crain, Susan Ustn, Peter B. Moyle, Andrew Sih. 2010. More big bass: Understanding the role of largemouth bass as top predators in the littoral zone. Delta Science Council Conference Sacramento, California September 2010