

Table Se-2a. Annual Average Selenium Concentrations in Biota for Existing Conditions, No Action Alternative (ELT), and Alternative 4A-H3 ELT.

Source	Location	Period <sup>a</sup>	Estimated Concentrations of Selenium (mg/kg, dw <sup>b</sup> )											
			Whole-body Fish			Bird Eggs (Invertebrate Diet)			Bird Eggs (Fish Diet)			Fish Fillets (ww)		
			EX	NAA-ELT	Alt. 4H3-ELT	EX	NAA-ELT	Alt. 4H3-ELT	EX	NAA-ELT	Alt. 4H3-ELT	EX	NAA-ELT	Alt. 4H3-ELT
Delta Interior	Mokelumne River (South Fork) at Staten Island	All	1.82	1.82	1.82	2.70	2.70	2.70	3.27	3.27	3.27	0.60	0.60	0.60
		Drought	2.46	2.46	2.46	3.66	3.66	3.66	4.42	4.42	4.42	0.86	0.86	0.86
	San Joaquin River at Buckley Cove	All	1.90	1.89	1.90	2.82	2.82	2.82	3.42	3.41	3.41	0.64	0.64	0.64
		Drought	2.39	2.39	2.39	3.55	3.56	3.55	4.30	4.31	4.30	0.83	0.83	0.83
	Franks Tract	All	1.84	1.84	1.85	2.73	2.73	2.75	3.31	3.31	3.33	0.61	0.61	0.62
		Drought	2.46	2.46	2.45	3.65	3.65	3.65	4.42	4.42	4.41	0.86	0.86	0.86
Old River at Rock Slough	All	1.84	1.84	1.86	2.74	2.74	2.76	3.32	3.32	3.34	0.62	0.61	0.62	
	Drought	2.45	2.45	2.45	3.65	3.65	3.64	4.41	4.41	4.40	0.86	0.86	0.85	
Western Delta	Sacramento River at Emmaton	All	1.82	1.82	1.83	2.71	2.71	2.72	3.28	3.28	3.29	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.66	3.66	3.65	4.42	4.42	4.42	0.86	0.86	0.86
	SJR at Antioch	All	1.83	1.83	1.84	2.72	2.72	2.73	3.29	3.29	3.31	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.65	3.65	3.65	4.42	4.42	4.42	0.86	0.86	0.86
	Sacramento River at Mallard Island	All	1.82	1.83	1.83	2.71	2.72	2.72	3.28	3.29	3.30	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.65	3.65	3.65	4.42	4.42	4.42	0.86	0.86	0.86
Major Diversions (Pumping Stations)	North Bay Aqueduct at Barker Slough PP	All	1.82	1.82	1.82	2.71	2.71	2.71	3.28	3.28	3.28	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.66	3.66	3.65	4.42	4.42	4.42	0.86	0.86	0.86
	Contra Costa Pumping Plant #1	All	1.84	1.84	1.85	2.73	2.74	2.75	3.31	3.31	3.33	0.61	0.61	0.62
		Drought	2.45	2.45	2.44	3.65	3.65	3.64	4.41	4.41	4.40	0.86	0.86	0.85
	Banks Pumping Plant	All	1.86	1.86	1.85	2.77	2.77	2.75	3.35	3.35	3.32	0.62	0.62	0.62
		Drought	2.43	2.44	2.44	3.62	3.62	3.62	4.38	4.38	4.38	0.85	0.85	0.85
	Jones Pumping Plant	All	1.88	1.88	1.86	2.79	2.79	2.76	3.38	3.38	3.34	0.63	0.63	0.62
		Drought	2.41	2.41	2.42	3.59	3.59	3.60	4.34	4.34	4.36	0.84	0.84	0.84

**Notes:**

<sup>a</sup> All: Water years 1975-1991 represent the 16-year period modeled using DSM2. Drought: Represents a 5 consecutive year (water years 1987-1991) drought period consisting of dry and critical water year types (as defined by the Sacramento Valley 40-30-30 water year hydrologic classification index)

<sup>b</sup> Dry weight, except as noted for fish fillets

Alt. - alternative

dw - dry weight

ELT - Early Long Term

EX - Existing Conditions

mg/kg - milligram per kilogram

NAA-ELT - No Action Alternative Early Long Term

ww - wet weight

**Table Se-2b. Annual Average Selenium Concentrations in Biota for Existing Conditions, No Action Alternative (ELT), and Alternative 4A-H4 ELT.**

Source	Location	Period <sup>a</sup>	Estimated Concentrations of Selenium (mg/kg, dw <sup>b</sup> )											
			Whole-body Fish			Bird Eggs (Invertebrate Diet)			Bird Eggs (Fish Diet)			Fish Fillets (ww)		
			EX	NAA-ELT	Alt. 4H4-ELT	EX	NAA-ELT	Alt. 4H4-ELT	EX	NAA-ELT	Alt. 4H4-ELT	EX	NAA-ELT	Alt. 4H4-ELT
Delta Interior	Mokelumne River (South Fork) at Staten Island	All	1.82	1.82	1.82	2.70	2.70	2.70	3.27	3.27	3.27	0.60	0.60	0.60
		Drought	2.46	2.46	2.46	3.66	3.66	3.66	4.42	4.42	4.42	0.86	0.86	0.86
	San Joaquin River at Buckley Cove	All	1.90	1.89	1.90	2.82	2.82	2.82	3.42	3.41	3.41	0.64	0.64	0.64
		Drought	2.39	2.39	2.39	3.55	3.56	3.55	4.30	4.31	4.30	0.83	0.83	0.83
	Franks Tract	All	1.84	1.84	1.85	2.73	2.73	2.75	3.31	3.31	3.33	0.61	0.61	0.62
		Drought	2.46	2.46	2.45	3.65	3.65	3.64	4.42	4.42	4.41	0.86	0.86	0.86
Old River at Rock Slough	All	1.84	1.84	1.86	2.74	2.74	2.76	3.32	3.32	3.34	0.62	0.61	0.62	
	Drought	2.45	2.45	2.44	3.65	3.65	3.64	4.41	4.41	4.40	0.86	0.86	0.85	
Western Delta	Sacramento River at Emmaton	All	1.82	1.82	1.83	2.71	2.71	2.72	3.28	3.28	3.29	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.66	3.66	3.65	4.42	4.42	4.42	0.86	0.86	0.86
	SJR at Antioch	All	1.83	1.83	1.84	2.72	2.72	2.73	3.29	3.29	3.31	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.65	3.65	3.65	4.42	4.42	4.42	0.86	0.86	0.86
	Sacramento River at Mallard Island	All	1.82	1.83	1.83	2.71	2.72	2.72	3.28	3.29	3.30	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.65	3.65	3.65	4.42	4.42	4.42	0.86	0.86	0.86
Major Diversions (Pumping Stations)	North Bay Aqueduct at Barker Slough PP	All	1.82	1.82	1.82	2.71	2.71	2.71	3.28	3.28	3.28	0.61	0.61	0.61
		Drought	2.46	2.46	2.45	3.66	3.66	3.65	4.42	4.42	4.42	0.86	0.86	0.86
	Contra Costa Pumping Plant #1	All	1.84	1.84	1.85	2.73	2.74	2.76	3.31	3.31	3.34	0.61	0.61	0.62
		Drought	2.45	2.45	2.44	3.65	3.65	3.63	4.41	4.41	4.40	0.86	0.86	0.85
	Banks Pumping Plant	All	1.86	1.86	1.85	2.77	2.77	2.74	3.35	3.35	3.32	0.62	0.62	0.62
		Drought	2.43	2.44	2.44	3.62	3.62	3.63	4.38	4.38	4.39	0.85	0.85	0.85
	Jones Pumping Plant	All	1.88	1.88	1.86	2.79	2.79	2.76	3.38	3.38	3.34	0.63	0.63	0.62
		Drought	2.41	2.41	2.42	3.59	3.59	3.60	4.34	4.34	4.36	0.84	0.84	0.84

**Notes:**

<sup>a</sup> All: Water years 1975-1991 represent the 16-year period modeled using DSM2. Drought: Represents a 5 consecutive year (water years 1987-1991) drought period consisting of dry and critical water year types (as defined by the Sacramento Valley 40-30-30 water year hydrologic classification index)

<sup>b</sup> Dry weight, except as noted for fish fillets

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