

Table 2. Contaminants in outmigrating salmon, other species, and local estuaries.

Hatchery	Estuary	Status	Chinook		Other species (ng·g ⁻¹)	Toxic sediment	Listed sites and contaminants of concern	References*		
			PAHs (stomach)	PCBs (stomach)					PCBs (liver and whole body)	Other data
All hatcheries (ng·g ⁻¹)			99 (n = 22)	60 (n = 35)	53 (liver, n = 32); 19 (whole body, n = 36)	Hg: 17.4 (whole body, n = 8)		1–3		
Northern Washington										
Skookum Creek, Kendall Creek	Nooksack	UC				Clams (n = 4) PAHs: 6.7, Hg: 10, Pb: 80; crab (n = 8) PCB: 20	NT, 1	Relatively pristine	5, 9, 13	
Samish	Samish Bay	UC					NT, 1	Used as reference site	5, 13, 14	
North Puget Sound										
Bernie Gobin	Tulalip Bay	UC					ND	Relatively pristine area		
Harvey Creek, Whitehorse Ponds	Stillaguamish	UC					NT, 1	Used as reference site	5, 13	
Wallace River	Snohomish†	C	12.7× (n = 4)	2.4× (n = 4)	4.3× (liver, n = 5)		Tox, 5	CU-10, TBT, As, PAHs, Hg, dioxin	5, 13	
Mid Puget Sound										
Grovers Creek	Miller Bay	UC				Clams PAHs: 22	NT, 1	Used as reference site	6, 13	
Issaquah, Portage Bay	Shilshole Bay	UC			1.6× (whole body, n = 2)	Hg: 0.5×, n = 2; TBT: BD	English sole (fillet) PCB: 42 (n = 3)	ND	1, 11	
Puyallup Tribal, Voights Creek	Puyallup†	C	980× (n = 8)	6.1× (n = 6)	5.4× (liver, n = 8)		English sole (liver) PCB: 800 (n = 17); English sole (stomach) PCB: 110 (n = 7); English sole (stomach) PAH: 3000, n = 7	NT, 5	Metals, DDX, HCBD, phthalates, dioxin, organics	2, 4, 12, 13
Soos Creek	Duwamish†	C	943× (n = 19)	8.5× (n = 30)	6.3× (liver, n = 15); 11× (whole body, n = 111)		Clams PAHs: 220	Tox, 6	CU-33, TBT, As, Cd	2, 3, 4, 10, 13
Gorst Creek	Sinclair Inlet†	C						Tox, 6	TBT, PCBs, PAHs, metals	4, 13
South Puget Sound										
Capitol Lake, Tumwater Falls	Budd Inlet†	C					Clams PAHs 100–1100, n = 3	Tox, 2	CU-7, dioxin, TBT, PCP, phthalates	6–10, 13
Clear Creek, Kalama	Nisqually	UC	0.3× (n = 11)	1.4× (n = 11)	2.3× (liver, n = 10)		English sole (liver) PCB: 160 (n = 14); English sole (stomach) PCB: 30 (n = 4); English sole (stomach) PAH: 30 (n = 4)	ND	Used as reference site, low contamination‡	2, 12, 13