

Watershed Summary Information

Accounting Unit Name:	Puget Sound
State(s):	WA
Political Boundaries:	Pierce, King
Major Waterways:	White R Carbon R S Prairie Cr Puyallup R Voight Cr
Number of Stations in Watershed:	Tier1 - 12 Tier2 - 6 Tier3 - 1

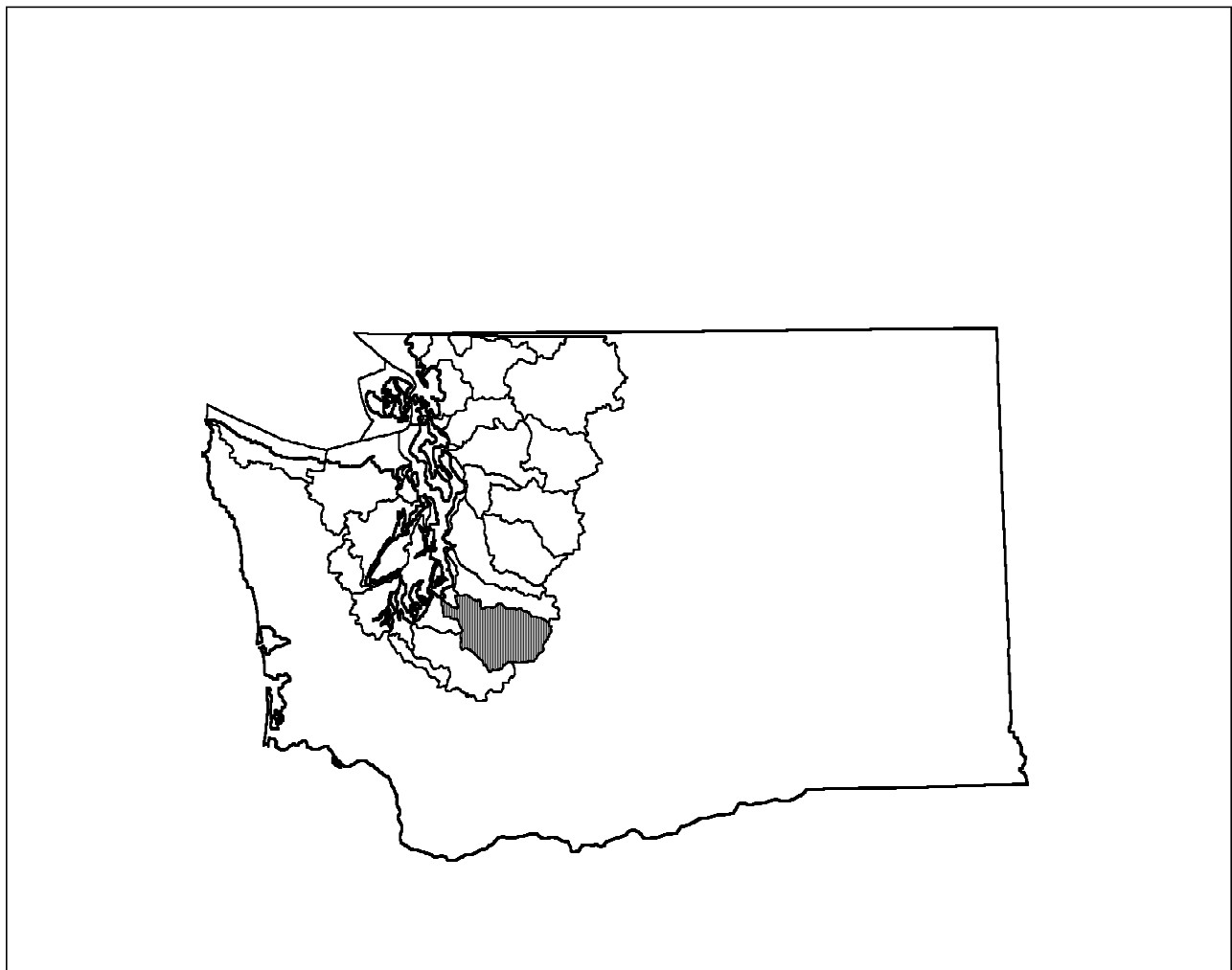


Figure 169. Watershed Location Map

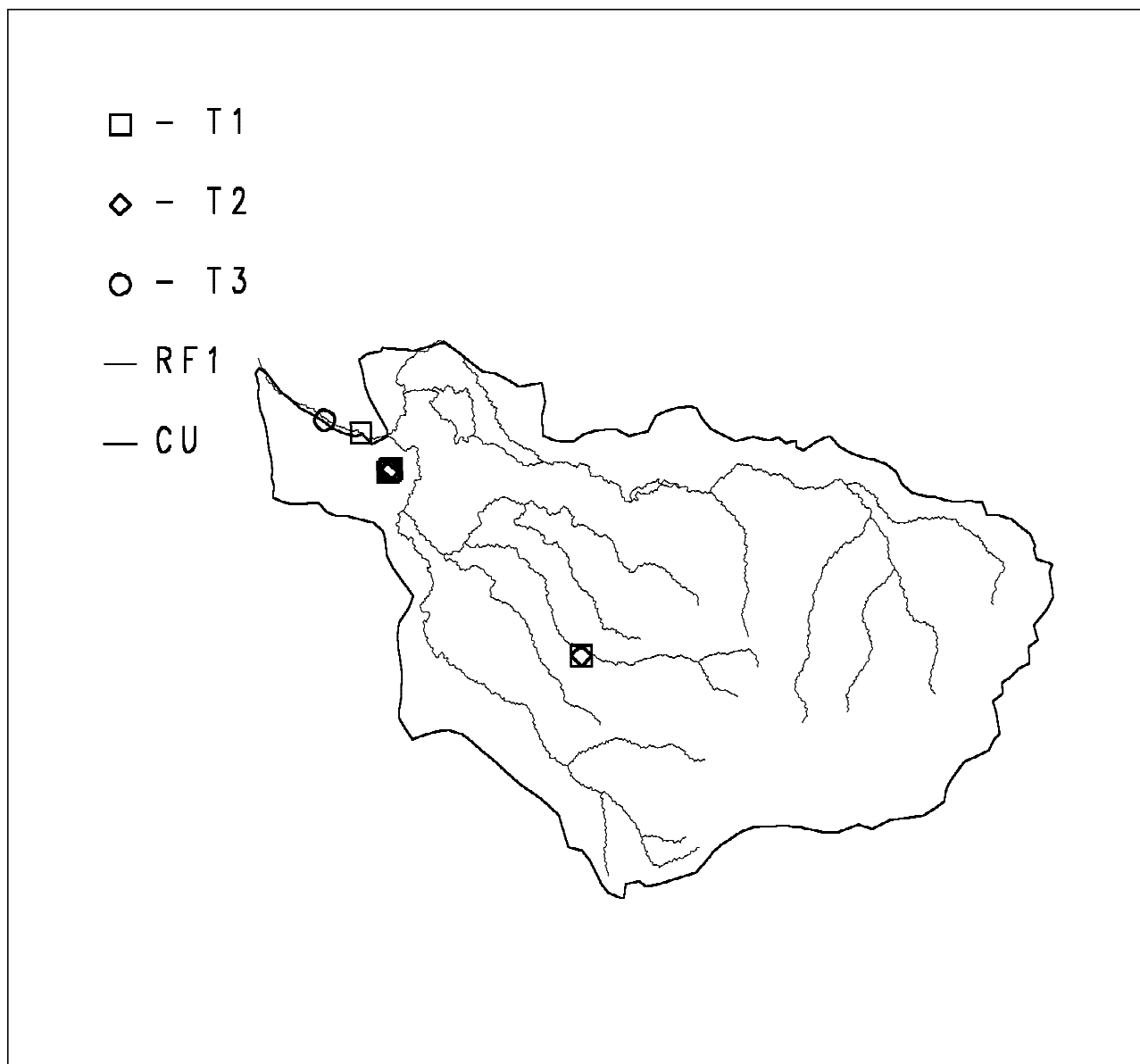


Figure 170. Major Waterways and Location of Sampling Stations

Data Source(s) Used in Evaluation

Source: **SEACOE** Agency: **CASCAD85**
 Monitoring Program: **Early McFarland Cascade sediment study.**
 Num. of Stations: 11 Date Range: 1985

Source: **SEACOE** Agency: **NOAA84**
 Monitoring Program: **Benthic Surveillance 1984**
 Num. of Stations: 3 Date Range: 1984

Source: **SEACOE** Agency: **NOAA86**
 Monitoring Program: **1986 Benthic Surveillance (NST)**
 Num. of Stations: 3 Date Range: 1986

Source: **STORET** Agency: **11BIOACC**

Monitoring Program: **USEPA National Bioaccumulation Study**

Num. of Stations: 1 Date Range: 1984

Source: **STORET** Agency: **21540000**

Monitoring Program: **Washington Dept Ecology Southwest Regional Office Estuary & Freshwatr Data**

Num. of Stations: 1 Date Range: 1980-81

Chemicals Responsible for Sampling Station Classification as Tier 1 or Tier 2

Classifying Parameter	Number of Stations							
	All Parameters				Aquatic Life		Human Health	
	Total	T.1&2	Tier1	Tier2	Tier1	Tier2	Tier1	Tier2
Naphthalene	13	12	6	6	6	6	.	.
Dibenzo(a,h)anthracene	14	11	8	3	8	3	.	9
Pyrene	14	11	6	5	6	5	.	.
Copper	11	11	.	11	.	11	.	.
Chrysene	13	10	3	7	3	7	.	1
Benzo(a)pyrene	14	10	2	8	2	5	.	10
Benzo(a)anthracene	13	8	5	3	5	3	.	7
Fluorene	13	8	5	3	5	3	.	.
Methylnaphthalene, 2-	13	7	2	5	2	5	.	.
Polychlorinated biphenyls	7	7	1	6	.	4	1	6
Bis(2-ethylhexyl)phthalate	8	6	1	5	1	5	.	1
Arsenic	11	6	.	6	.	6	.	.
Dibenzofuran	10	4	1	3	1	3	.	1
LMW_PAHs	13	4	1	3	1	3	.	.
Fluoranthene	14	3	3	.	3	.	.	.
Silver	3	3	3	.	3	.	.	.
Chromium	3	3	.	3	.	3	.	.
Ethylbenzene	8	3	.	3	.	3	.	.
Nickel	3	3	.	3	.	3	.	.
Acenaphthene	14	2	2	.	2	.	.	.
Phenanthrene	14	2	2	.	2	.	.	.
Cadmium	3	2	.	2	.	2	.	.
Lead	3	2	.	2	.	2	.	.
Xylenes	8	1	1	.	1	.	.	.
Acenaphthylene	8	1	.	1	.	1	.	.
Dieldrin	4	1	.	1	.	.	.	1
DDT	7	1	.	1	.	1	.	.
HMW_PAHs	14	1	.	1	.	1	.	.

Sediment Chemistry Data: Chemical Summary

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Acenaphthene	14	28138.07	405.00	11	370000.0	9.00
Acenaphthylene	8	41.25	0.00	1	330.00	330.00
Aldrin	3	0.00	0.00	0	.	.
Antimony	3	1336.67	1330.00	3	1440.00	1240.00
Arsenic	11	6699.09	7300.00	11	11000.00	2540.00
Benzo(a)anthracene	13	9081.00	670.00	11	95000.00	48.00
Benzo(a)pyrene	14	3261.07	124.50	10	40000.00	52.00
Benzo(ghi)perylene	10	0.00	0.00	0	.	.
Bis(2-ethylhexyl)phthalate	8	2455.00	700.00	7	15000.00	120.00
BHC	3	0.00	0.00	0	.	.
Cadmium	3	770.00	810.00	3	840.00	660.00
Chlordane	3	0.00	0.00	0	.	.
Chromium	3	69500.00	69800.00	3	71000.00	67700.00
Chrysene	13	11167.77	740.00	11	120000.0	81.00
Copper	11	63772.73	56600.00	11	131500.0	32000.00
Cresol, m-	8	190.00	110.00	8	400.00	100.00
Cresol, o	8	187.50	100.00	8	400.00	100.00
Dibenzo(a,h)anthracene	21	7705.67	20.00	13	150000.0	10.00
Dibenzofuran	10	13836.00	280.00	7	130000.0	220.00
Dieldrin	3	0.67	0.00	1	2.00	2.00
Dimethylphenol, 2,4-	8	0.00	0.00	0	.	.
DDT	11	0.45	0.00	3	2.00	1.00
Ethylbenzene	8	72.75	0.00	3	510.00	18.00
Fluoranthene	14	44940.71	2200.00	14	530000.0	130.00
Fluorene	13	16025.62	69.00	10	200000.0	17.00
Heptachlor	3	0.00	0.00	0	.	.
Heptachlor epoxide	3	0.00	0.00	0	.	.
Hexachlorobenzene	3	1.67	2.00	2	3.00	2.00
HMW_PAHs	15	180.00	0.00	6	740.00	230.00
Indeno(1,2,3-cd)pyrene	9	0.00	0.00	0	.	.
Lead	3	34633.33	32100.00	3	42200.00	29600.00
LMW_PAHs	14	3597.14	115.00	7	48000.00	230.00
Mercury	3	0.00	0.00	0	.	.
Methylnaphthalene, 2-	13	1370.54	85.00	8	15000.00	6.00
Naphthalene	13	18430.54	530.00	12	210000.0	85.00
Nickel	3	24966.67	24600.00	3	26000.00	24300.00
Pentachlorophenol	8	0.00	0.00	0	.	.
Phenanthrene	14	59343.57	865.00	13	800000.0	100.00
Phenol	8	0.00	0.00	0	.	.
Polychlorinated biphenyls	7	37.73	49.00	7	69.00	4.50
Pyrene	14	33135.00	1240.00	14	400000.0	110.00
Silver	3	5900.00	5090.00	3	7560.00	5050.00

Sediment Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Xylenes	8	50.00	0.00	1	400.00	400.00
Zinc	3	101000.0	97000.00	3	110000.0	96000.00

Tissue Residue Data: Chemical Summary

Tissue Parameter	Total Observations			Detected Observations		
	Num.	Mean (ppb)	Median (ppb)	Num.	Max (ppb)	Min (ppb)
Aldrin	2	0.00	0.00	0	.	.
BHC	4	1.30	0.30	2	4.60	0.60
Chlordane	8	5.08	5.25	5	12.00	4.00
Dieldrin	2	0.70	0.70	1	1.40	1.40
Dioxins	2	0.00	0.00	1	0.00	0.00
DDT	14	18.58	9.05	8	66.00	2.10
Endrin	2	0.00	0.00	0	.	.
Hexachlorobenzene	1	36.00	36.00	1	36.00	36.00
Mercury	1	190.00	190.00	1	190.00	190.00
Methoxychlor	2	0.00	0.00	0	.	.
Pentachlorophenol	1	0.00	0.00	0	.	.
Polychlorinated biphenyls	2	225.00	225.00	2	290.00	160.00