

Dataset ¹	Region ²	Site	Latitude	Longitude	alpha	beta	gamma	mu	nsc
USACE	UC	Albeni Falls Forebay Pend Orielle River*	48.16	-117.09	24.81	11.62	0.19	0	0.92
USACE	UC	Albeni Falls Tailrace Pend Orielle	48.16	-117.09	31.05	15.09	0.14	0	0.94
USACE	UC	Anatone, WA. Snake River*	46.16	-116.97	28.28	12.18	0.13	0	0.66
DOE	PS	Bertrand Creek at Rathbone Road	48.91	-122.53	19.13	17.45	0.50	11.41	0.91
DOE	PS	Big Mission Creek at Highway 300	47.41	-122.91	16.52	9.84	0.18	0	0.81
DOE	PS	Big Soos Creek near Auburn	47.28	-122.16	15.44	15.30	0.73	10.55	0.94
USACE	LC	Bonneville Forebay, Columbia River*	45.66	-121.97	22.27	10.65	0.26	2.20	0.93
USACE	UC	Boundary (US/Canada) Columbia River*	48.97	-117.66	20.56	9.60	0.18	1.80	0.91
DOE	UC	Brender Creek near Cashmere	47.53	-120.47	18.87	17.23	0.24	8.75	0.86
DOE	LC	Burnt Bridge Creek at mouth	45.66	-122.66	24.31	20.24	0.24	12.00	0.80
USACE	LC	Camas/Washougal, WA. Columbia River*	45.66	-122.34	22.32	11.94	0.43	2.52	0.85
USACE	LC	Cascade Island (below Bonneville)	45.66	-121.97	23.18	12.53	0.28	3.15	0.90
DOE	PS	Cedar River at Logan Street, Renton	47.47	-122.22	18.88	18.49	0.40	11.84	0.84
DOE	OP	Chehalis River at Dryad	46.66	-123.22	21.21	17.28	0.58	12.21	0.70
DOE	PS	Cherry Creek at Highway 203	47.78	-121.97	16.88	17.68	4.41	13.41	0.93
USACE	UC	Chief Joseph Forebay Columbia River*	47.97	-119.66	18.71	9.63	0.31	3.54	0.79
DOE	UC	Chumstick Creek near Leavenworth	47.47	-120.34	13.38	19.37	0.64	9.69	0.96
USGS	UC	Colville River*	48.59	-118.09	22.85	12.05	0.18	0	0.89
DOE	UC	Colville River at Chewelah	48.28	-117.72	28.59	16.91	0.14	3.29	0.81
DOE	UC	Cowiche Creek at Powerhouse Road	46.66	-120.59	18.56	17.99	0.58	12.64	0.91
DOE	LC	Cowlitz River at Kelso	46.16	-122.91	16.71	16.54	0.60	11.91	0.76
DOE	UC	Crab Creek near Beverly	46.84	-119.84	25.05	14.28	0.23	0	0.93
DOE	UC	Deadman Creek at Holcomb Road	47.84	-117.22	21.37	12.86	0.13	0	0.93

Dataset ¹	Region ²	Site	Latitude	Longitude	alpha	beta	gamma	mu	nsc
DOE	UC	Deadman Creek near mouth	46.59	-117.78	27.15	26.11	0.22	11.70	0.91
DOE	PS	Des Moines Creek near mouth	47.41	-122.28	17.22	10.12	0.28	0	0.74
DOE	OP	Dickey River near La Push	47.97	-124.53	18.28	13.81	1.38	13.81	0.95
DOE	PS	Fauntleroy Creek near mouth	47.53	-122.34	14.49	17.74	0.72	12.33	0.84
USACE	UC	Grand Coulee Forebay Columbia River*	47.97	-118.97	19.33	9.47	0.30	3.85	0.84
USACE	UC	Grand Coulee Tailrace, Columbia River*	48.03	-118.97	18.79	9.82	0.26	3.77	0.74
DOE	PS	Griffen Creek at Highway 203	47.59	-121.91	17.43	18.80	0.54	11.77	0.82
USACE	UC	Ice Harbor Forebay Snake River*	46.22	-118.84	24.26	12.77	0.17	0.79	0.93
USACE	UC	Ice Harbor Tailrace Snake River*	46.22	-118.84	24.13	12.76	0.16	0.95	0.91
DOE	PS	Jim Creek at Whites Road	48.16	-122.03	20.94	17.84	0.38	11.45	0.79
DOE	PS	Jimmeycomelately Creek at Highway 101	48.03	-123.03	16.31	11.11	0.36	0	0.74
USACE	UC	John Day Forebay Columbia River	45.72	-120.72	22.17	14.01	0.26	5.34	0.85
USACE	UC	John Day Tailrace Columbia River*	45.72	-120.72	21.91	10.91	0.22	3.07	0.86
DOE	LC	Kalama River near Kalama	46.03	-122.84	17.33	17.60	0.85	12.18	0.71
DOE	UC	Kettle River near Barstow	48.78	-118.16	33.35	16.03	0.09	0	0.77
DOE	PS	Kimball Creek at Highway 202	47.53	-121.84	21.38	18.08	0.28	10.52	0.85
USGS	UC	Klickitat River at Klickitat*	45.72	-121.28	19.44	12.04	0.15	0.29	0.94
DOE	PS	Laughing Jacobs Creek near Mouth	47.59	-122.03	15.10	13.63	0.22	8.83	0.97
DOE	LC	Lewis River near Dollar Corner	45.84	-122.59	23.31	18.41	0.37	10.77	0.73
USACE	UC	Little Goose Forebay Snake River*	46.59	-117.97	31.26	15.20	0.21	1.81	0.87
USACE	UC	Little Goose Tailrace, Snake River*	46.59	-117.97	25.21	13.88	0.23	3.67	0.85
DOE	PS	Little_Mission_Cr._@_Hwy_300	47.41	-122.91	12.09	6.83	0.22	0	0.90
USGS	LC	Lower Columbia*	46.28	-123.84	21.43	10.39	0.40	3.31	0.87

Dataset ¹	Region ²	Site	Latitude	Longitude	alpha	beta	gamma	mu	nsc
USGS	LC	Lower Columbia at Clatskanie*	46.16	-123.03	22.97	11.54	0.24	2.60	0.84
USGS	LC	Lower Cowlitz*	46.28	-122.91	22.92	14.41	0.21	2.74	0.87
USGS	UC	Lower Crab*	47.03	-119.34	22.71	9.83	0.13	0	0.89
USACE	UC	Lower Granite Tailrace Snake River*	46.66	-117.47	23.89	11.82	0.24	0.46	0.91
USACE	UC	Lower Granite Tailrace Snake River*	46.66	-117.41	32.03	14.54	0.18	0.65	0.86
USACE	UC	Lower Monumental Forebay Snake River*	46.59	-118.34	27.00	13.54	0.19	0	0.85
USACE	UC	Lower Monumental Tailrace Snake River*	46.59	-118.34	26.74	13.86	0.18	2.09	0.84
USGS	UC	Lower Snake near Tucannon*	46.34	-117.03	22.83	12.95	0.19	0.98	0.91
USGS	UC	Lower Spokane*	46.53	-118.16	20.65	11.70	0.19	0	0.82
USGS	UC	Lower Yakima*	47.91	-118.34	30.17	18.54	0.11	3.14	0.91
DOE	UC	Manatash Creek at Manatash Road	46.97	-120.66	15.17	14.73	0.64	9.48	0.97
DOE	PS	Maple Creek at mouth	48.91	-122.09	10.77	16.54	0.90	9.48	0.79
USACE	UC	McNary Forebay OR. Columbia River*	45.91	-119.28	25.10	13.27	0.18	1.20	0.94
USACE	UC	McNary Forebay WA. Columbia River*	45.91	-119.28	22.15	12.54	0.20	2.04	0.94
USACE	UC	McNary Tailrace Columbia River*	45.91	-119.28	21.44	12.33	0.21	2.08	0.94
USGS	UC	Methow River*	48.03	-119.91	17.75	9.01	0.19	0	0.90
USGS	UC	Mid-Columbia near Lake Wallula*	45.91	-119.66	21.32	12.71	0.18	2.61	0.87
DOE	PS	Miller Creek near mouth	47.47	-122.34	18.34	8.90	0.17	0	0.82
DOE	UC	Mission Creek near Cashmere	47.53	-120.47	36.91	23.54	0.08	0	0.92
DOE	UC	Moxee Drain at Birchfield Road	46.53	-120.47	22.62	10.59	0.16	0	0.84
USGS	UC	Naches River*	46.66	-120.53	14.90	10.56	0.21	0	0.81
DOE	LC	Naselle River near Naselle	46.34	-123.72	40.05	22.79	0.26	9.21	0.75
DOE	PS	Newaukum Creek near Enumclaw	47.28	-122.03	15.13	14.52	0.67	9.60	0.94

Dataset ¹	Region ²	Site	Latitude	Longitude	alpha	beta	gamma	mu	nsc
DOE	UC	Noname Creek near Cashmere	47.53	-120.47	19.35	17.20	0.21	8.44	0.85
DOE	PS	Nooksack River above Middle Fork	48.84	-122.16	12.41	16.21	4.24	10.63	0.90
DOE	PS	Nooksack River at North Cedarville	48.84	-122.28	15.66	16.83	0.61	11.15	0.76
USGS	UC	Okanogan River*	48.97	-119.41	24.17	13.45	0.15	0	0.92
DOE	UC	Okanogan River at Oroville	48.09	-119.72	25.05	10	0.20	0	0.85
USGS	UC	Palouse River*	46.91	-117.09	28.17	15.44	0.17	0	0.96
DOE	UC	Palouse River (South Fork) at Albion	46.78	-117.28	43.92	21.74	0.07	0	0.72
DOE	UC	Paradise Creek at the Border	46.72	-117.09	24.18	2.42	0.07	0	0.77
USACE	UC	Pasco, WA. Columbia River*	46.22	-119.09	20.26	13.85	0.27	3.41	0.92
DOE	PS	Patterson_Ck_near_Fall_City	47.59	-121.91	17.46	18.57	0.51	11.81	0.80
USGS	UC	Pend Orielle River*	48.91	-117.34	22.87	8.10	0.20	0.08	0.94
DOE	UC	Peone (Deadman) Creek	47.78	-117.41	14.78	16.22	0.48	10.46	0.86
DOE	PS	Pilchuck Creek at Bridge 626	48.22	-122.22	23.99	15.21	0.25	7.34	0.75
DOE	UC	Pine Creek at Rosalia	47.22	-117.34	22.40	14.18	0.24	7.04	0.94
USACE	UC	Priest Rapids Forebay Columbia River*	46.66	-119.84	19.71	12.60	0.26	4.34	0.88
DOE	PS	Puyallup River at Puyallup	47.22	-122.34	17.61	11.58	0.22	0	0.89
DOE	PS	Raging River at mouth	47.59	-121.91	19.75	18.00	0.68	11.99	0.86
USACE	UC	Rock Island Forebay, Columbia River*	47.34	-120.09	18.43	10.59	0.27	2.31	0.79
DOE	PS	Samish River near Burlington	48.53	-122.34	16.42	16.89	0.54	10.94	0.74
USGS	UC	Sanpoil River*	47.97	-118.66	24.48	13.38	0.17	0	0.97
USGS	UC	Similkameen River*	48.91	-119.41	21.51	11.02	0.19	0	0.90
DOE	UC	Similkameen River at Oroville	48.91	-119.47	24.50	11.67	0.18	0	0.86
DOE	PS	Skagit River above Sedro Woolley	48.47	-122.22	17.08	16.47	0.72	12.84	0.90

Dataset ¹	Region ²	Site	Latitude	Longitude	alpha	beta	gamma	mu	nsc
USACE	LC	Skamania, WA. Columbia River*	46.28	-123.47	21.05	11.07	0.79	0	0.82
DOE	PS	Snoqualmie at Valley Trail (RM 16)	47.53	-121.78	17.79	7.31	0.13	0	0.78
DOE	PS	Snoqualmie River above Carnation	47.53	-121.78	20.10	13.48	0.49	0	0.97
DOE	PS	Snoqualmie River at 468th Ave	47.47	-121.78	24.25	10.94	0.08	0	0.86
DOE	PS	Snoqualmie River at Bendigo	47.47	-121.78	17.31	5.90	0.13	0	0.71
DOE	OP	Soleduck River near Forks	48.03	-124.41	16.50	15.60	3.01	13.40	0.96
DOE	PS	Stillaguamish River at Arlington	48.22	-122.09	26.44	17.75	0.34	9.44	0.83
DOE	PS	Stillaguamish River at Cicero	48.28	-122.03	19.77	16.58	0.55	11.58	0.74
DOE	PS	Stillaguamish River near Darrington	48.28	-121.72	16.59	16.50	0.49	10.90	0.73
DOE	PS	Stimson Creek at Highway 300	47.41	-122.91	14.12	8.48	0.21	0	0.81
USACE	UC	The Dalles Forebay Columbia River*	45.66	-121.16	21.95	12.63	0.38	0	0.88
USACE	UC	The Dalles Tailrace Columbia River*	45.66	-121.16	22.35	11.38	0.21	0	0.89
DOE	PS	Thornton Creek (South Fork) 107th Ave	47.72	-122.28	18.24	8.38	0.18	0	0.80
DOE	PS	Tolt River near Carnation	47.66	-121.91	18.70	17.78	0.36	10.92	0.89
DOE	UC	Tucannon River at Powers	46.53	-118.16	27.96	17.11	0.12	2.59	0.71
DOE	PS	Union River near Belfair	47.47	-122.84	13.73	9.68	0.25	0	0.71
USACE	PS	University Bridge Lake Union, Seattle*	47.66	-122.34	24.46	13.25	0.30	6.36	0.94
USGS	UC	Upper Columbia River at Entiat*	47.66	-120.22	20.80	10.05	0.20	2.97	0.93
USGS	LC	Upper Cowlitz River*	46.59	-121.66	24.12	15.01	0.15	1.98	0.79
USGS	UC	Upper Yakima River*	47.34	-121.41	21.70	5.97	0.25	1.46	0.91
USGS	UC	Walla Walla River*	46.03	-118.78	20.12	14.52	0.16	1.06	0.70
DOE	UC	Walla Walla River near Touchet	46.03	-118.91	27.12	19.31	0.25	9.24	0.83
USACE	LC	Warrendale, OR. Columbia River*	45.66	-122.03	22.16	9.50	0.27	2.52	0.92

Dataset ¹	Region ²	Site	Latitude	Longitude	alpha	beta	gamma	mu	nsc
USACE	UC	Wells Tailrace Columbia River	47.97	-119.84	18.36	13.50	0.30	3.97	0.74
USGS	UC	Wenatchee River*	47.47	-120.34	8.50	5.80	0.35	0	0.95
DOE	UC	Wenatchee River at Wenatchee	47.47	-120.34	24.16	14.08	0.21	0	0.93
DOE	UC	Wenatchee River near Leavenworth	47.66	-120.72	20.72	14.52	0.29	7.87	0.76
DOE	PS	White River at R Street	47.16	-122.09	17.63	17.74	0.52	11.00	0.80
DOE	UC	Wide Hollow Creek at Main Street	46.53	-120.47	21.84	8.19	0.12	0	0.85
DOE	OP	Willapa River near Willapa	46.66	-123.66	16.88	15.73	1.00	12.44	0.76
DOE	UC	Wilson Creek at Highway 871	46.91	-120.53	18.47	12.81	0.28	10.18	0.86
DOE	UC	Yakima River near Cle Elum	47.16	-121.03	17.69	8.97	0.34	0	0.81

¹Dataset refers to origin of data: Washington Department of Ecology (DOE), US Army Corps of Engineers (USACE), US Geological Survey (USGS).

²Region refers to Upper Columbia River and tributaries upriver of the Dalles (UC), Lower Columbia and tributaries downriver of the Dalles, OR (LC), Puget Sound (PS), Olympic Peninsula (OP).

*Sites demonstrating hysteresis.