

Publication No. 72-e41

WA-07-1050

August 25, 1972

Mr. William Smiley
Monitoring Coordinator
Snohomish County Planning Dept.
Courthouse
Everett, Washington 98201

Dear Mr. Smiley:

Enclosed are the results from the Snohomish River Monitoring Project. The data is self-explanatory except where noted on the summary sheets. The chemist in charge of the analyses felt that the values were in doubt and thus were discarded.

Sincerely,

Office of Technical Services



Roland E. Pine, Section Head
Division of Comprehensive
Investigations and Studies

REP:bj

Enclosure



DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

DATA SUMMARY

ORIGINAL TO:
COPIES TO:
.....
LAB FILES

Source Snohomish R.

Collected By PAT LEE

Date Collected 8/14-15/72

Goal, Pro./Obj. 4-2-38

Log No.	Station	NO ₃ -N	NO ₂ -N	O-PO ₄ -P	T-PO ₄ -P	STA.	NO ₃ -N	NO ₂ -N	O-PO ₄ -P	T-PO ₄ -P
72-3102	1	.44	<.005	.05	.07	26	.11	ND	.01	.03
	2	.25	ND	.05	.06	27	.02	ND	.02	.04
	3	ND	ND	.01	.04	28	.02	ND	.01	.04
	4	.27	.01	.05	.06	29	.01	ND	.01	.03
	5	.06	ND	.01	.03	30	.01	ND	<.005	.02
	6	ND	ND	.02	.03	31	ND	ND	<.005	.03
	7	ND	ND	.01	.02	32	ND	ND	<.005	.03
	8	.27	ND	.05	.08	33	ND	ND	<.005	.03
	9	.25	ND	.04	.07	34	ND	ND	.01	.03
	10	.08	ND	.01	.03	35	ND	ND	.02	.03
	11	ND	ND	.01	.03	36	ND	ND	.01	.03
	16	.25	.01	.04	.06	37	.04	ND	.01	.03
	17	ND	ND	.01	.03	38	ND	ND	<.005	.04
	18	.21	.01	.04	.06	39	.01	ND	<.005	.28
	19	.23	.01	.05	.06	40	.01	ND	.02	.03
	20	.03	ND	.01	.05	41	.01	ND	<.005	.04
	21	.21	ND	.04	.05	42	.03	ND	.01	.04
	22	ND	ND	.01	.03	43	.04	ND	.01	.04
	23	.04	ND	.02	.03	44	.01	ND	.01	.03
	24	.06	ND	.02	.03	45	.03	ND	<.005	.02
	25	.10	ND	.01	.03	46	.02	ND	<.005	.03

Note: All results are in PPM unless otherwise specified. ND is "None Detected"

Summary by Mary Holcomb Date 8/21/72



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72-3102	47	.01	ND	.01	.02	68	.16	ND	<.005	.04
	48	ND	ND	.02	.03	69	.01	ND	.01	.07
	49	ND	ND	.01	.03	70	.02	ND	<.005	.06
	50	.02	ND	.01	.03	71	.01	ND	<.005	.06
	51	.01	ND	.01	.03	72	.01	ND	ND	.04
	52	.03	ND	.01	.03	73	.02	ND	.01	.03
	53	.04	ND	<.005	.01	74	.03	ND	.01	.10
	54	ND	ND	.01	.03	75	.01	ND	<.005	.07
	55	.07	ND	.01	.03	76	.02	ND	.02	.06
	56	.02	ND	.01	.04	77	.02	ND	<.005	.03
	57	.07	<.005	<.005	.03	78	.11	ND	.01	.01
	58	.03	ND	<.005	.02	79	.12	ND	.01	.01
	59	.02	ND	.01	.02	80	.02	ND	ND	.03
	60	.01	ND	.01	.02	81	.04	ND	.01	.02
	61	.01	ND	.01	.03	82	.02	ND	<.005	.01
	62	.01	ND	.01	.02	83	.02	ND	<.005	.01
	63	.01	ND	.01	.02	84	.03	ND	<.005	.05
	64	.07	ND	.01	.03	85	.02	ND	.01	.06
	65	.10	ND	.01	.01	86	.03	ND	.01	.01
	66	.08	ND	.01	.04	87	.02	ND	.01	.01
	67	.15	ND	.01	.04	88	.03	.04	ND	.05

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Summary by Mary Halcomb Date 8/21/72



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72-3102	89	.04	ND	<.005	.03	110	.51	.04	.01	.05
	90	.03	<.005	<.005	.06	111	.11	ND	.01	.01
	91	.03	ND	<.005	.09	112	.05	ND	.01	.01
	92	.08	ND	.01	.06	113	.06	ND	-	<.005
	93	.04	ND	<.005	.09	114	.09	ND	<.005	.01
	94	.01	ND	<.005	.01	115	.03	ND	<.005	.02
	95	.03	ND	<.005	.05	116	.05	ND	<.005	.03
	96	.04	ND	<.005	.10	117	.03	ND	.01	.01
	97	.03	ND	<.005	.09	118	.03	ND	.01	.01
	98	.03	ND	<.005	.08	119	.03	ND	<.005	.02
	99	.04	ND	.01	.07	120	.05	ND	<.005	.02
	100	.25	.05	.01	.05	121	.03	ND	.01	.02
	101	.25	.05	<.005	.07	122	.03	<.005	.01	.01
	102	.26	.05	.01	.06	123	.03	ND	<.005	.02
	103	.25	.05	<.005	.04	124	.03	ND	<.005	.01
	104	.25	.05	<.005	.05	125	.03	ND	.01	.05
	105	.24	.05	.01	.05	126	.02	ND	.01	.05
	106	.25	.05	.01	.06	127	.03	ND	.01	.01
	107	.26	.05	<.005	.05	128	.04	ND	<.005	.03
	108	.20	ND	<.005	.05	129	.04	ND	<.005	.01
	109	.28	.05	.04	.04	130	.04	<.005	.01	.01

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Summary by Mary Wolcomb Date 8/21/72



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72-3102	131	.03	ND	ND	ND	152	.07	ND	.01	.08
	132	.03	ND	<.005	<.005	153	.05	ND	.01	.01
	133	.03	ND	ND	.06	154	.04	ND	<.005	.01
	134	.04	ND	<.005	.01	155	.05	.01	.01	.01
	135	.04	ND	<.005	<.005	156	.03	ND	ND	.06
	136	.04	ND	<.005	.03	157	.03	ND	<.005	.05
	137	.04	ND	ND	.06	158	.02	ND	<.005	.06
	138	-	-	-	.05	159	.03	ND	<.005	<.005
	139	.04	ND	<.005	.01	160	.03	ND	ND	<.005
	140	.03	ND	ND	.01	161	.04	ND	<.005	ND
	141	.03	ND	<.005	.02	162	.03	ND	<.005	.07
	142	.03	ND	<.005	.01	163	.03	ND	<.005	.06
	143	.06	ND	.01	.01	164	.03	ND	<.005	.08
	144	.06	ND	<.005	<.005	165	.07	ND	<.005	.01
	145	.19	ND	.01	.14	166	.04	ND	<.005	.07
	146	.05	ND	.01	.01	167	.04	ND	<.005	.06
	147	.03	ND	ND	.06	168	.04	ND	.01	.05
	148	.04	ND	-	ND	169	.03	ND	ND	.01
	149	.05	ND	<.005	.01	170	.03	ND	ND	.01
	150	.04	ND	ND	.01	171	.05	ND	<.005	.01
	151	.04	ND	<.005	.01	172	.04	ND	ND	.06

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72-3102	173	.05	ND	<.005	.05	202	.07	ND	4.32	4.77
	174	.05	ND	<.005	<.005	203	-	-	-	6.05
	175	.06	ND	<.005	.01	204	.06	<.005	3.90	5.45
	176	.07	ND	<.005	.01	205	.02	<.005	4.16	4.64
	179	.02	ND	.01	.04	206	.05	ND	-*	.06?
	180	.01	ND	.01	.04	208	.20	.07	5.08	5.82
	181	.03	ND	.01	.04	209	.14	<.005	4.88	5.20
	182	.03	ND	.01	.05	210	.10	.16	-*	4.57
	183	.03	ND	.02	.04	211	.12	.17	5.11	5.63
	184	.04	ND	.01	.03	212	.19	.12	4.56	5.71
	186	.01	ND	.01	.04	213	.31	.06	4.91	5.86
	187	.02	ND	.01	1.18	214	1.36	<.005	5.00	5.52
	188	.03	ND	.01	.02	219	.08	.04	-*	3.83
	189	.01	ND	.01	.04	220	.06	.03	-*	5.56
	190	.03	ND	.01	.11	221	.05	ND	7.25	7.51
	192	.01	ND	.01	.09	222	.03	ND	-*	6.17
	194	.02	ND	.01	.03	223	.27	.04	3.98	4.49
	195	.06	ND	.01	.04	224	.44	.03	3.70	5.73
	199	1.62	ND	3.94	5.48	225	.05	.09	3.98	4.86
	200	.03	.01	4.10	5.82	226	.06	.13	3.81	4.12
	201	.45	.01	2.74	5.79	227	.25	.03	4.10	4.89

Note: All results are in PPM unless otherwise specified. ND is "None Detected"

* O-PO₄-P RESULTS REJECTED: Summary by Mary Walcomb Date 8/21/72
VALUES WERE higher than T-PO₄-P.

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Source Snohomish R.

Collected By PAT LEE

Date Collected 8/14-15/72

Goal, Pro./Obj. 4.2.38

<u>Log No.</u>	<u>Station</u>	<u>NO₃-N</u>	<u>NO₂-N</u>	<u>O-PO₄-P</u>	<u>T-PO₄-P</u>						
<u>72-3102</u>	<u>228</u>	<u>.05</u>	<u>.02</u>	<u>3.88</u>	<u>4.37</u>						
	<u>229</u>	<u>.03</u>	<u>.02</u>	<u>4.02</u>	<u>4.47</u>						
	<u>230</u>	<u>.03</u>	<u>.02</u>	<u>3.96</u>	<u>4.26</u>						

Note: All results are in PPM unless otherwise specified. ND is "None Detected"

Summary by Mary Wolcomb Date 8/21/72