

Ardea

Enterprises

WA-14-0120

13 April 1981

Little Skookum Shellfish Growers
Route 3 Box 713
Shelton, WA. 98584

Dear Pete,

The tables included with this letter present all data from the inception of the Fawn Lake stream sampling program. The quarterly monitoring data has been added to the baseline data in an addendum table. A blank has been left for this quarter's coliform results. I will send those as soon as I have them.

Suspended solids levels are again very low this quarter. Most if not all of the sedimentation problems seem to be solved. In addition, seeing those salmon fry above Lynch Road was highly encouraging and gratifying. From behavior characteristics, those fry were most probably coho. Chum are extremely wary and are not usually visible during daylight.

If you have any further needs for data please let me know.

Sincerely,



Michael A. Kyte

enc. tables (2).

Date mo/day/yr	Flow (a) (CFS)	PPT. (b) (in.)	Temp (°C) (c)				Suspended Solids (mg/l)				Coliform (d) (colonies/ 100 ml)
			A	B	C	D	A	B	C	D	
11/21/78	--	0.11	--	--	--	--	5.3	--	--	2.6	--
11/ 5/78	--	1.02	--	--	--	--	3.3	--	--	6.4	--
11/14/78	--	0	--	--	--	--	1.7	--	--	2.1	--
11/24/78	7.6	1.54	4.0	--	--	4.0	3.7	--	--	--	--
12/ 2/78	9.2	2.03	--	--	--	--	3.9	--	--	6.5	--
12/15/78	6.7	0.62	4.0	--	--	4.0	2.4	--	--	2.9	--
12/24/78	6.7	0.98	--	--	--	--	3.9	--	--	3.4	--
1/ 6/79	1.7	0	--	--	--	1.6	2.1	--	--	1.6	--
1/20/79	3.9	1.55	--	--	--	6.2	2.4	--	154.2	5.2	--
1/28/79	1.6	0.19	--	--	--	--	--	3.7	6.9	2.6	--
2/10/79	7.0	4.79	--	--	--	--	3.0	3.5	37.9	6.0	--
2/11/79	--	5.15	--	--	--	--	--	3.1	7.6	4.8	--
2/23/79	3.9	2.18	5.0	--	--	5.0	4.4	5.5	13.9	7.6	--
3/ 4/79	15.1	3.23	--	--	--	--	25.0	33.1	70.8	72.0	--
3/25/79	2.4	0.02	8.5	--	--	8.0	3.8	3.9	4.1	6.9	2
4/ 7/79	2.6	0.07	10.0	--	--	10.0	5.3	5.0	8.5	3.6	--
4/23/79	--	0.30	--	--	--	--	--	--	--	--	10
5/ 1/79	2.6	0	--	11.5	--	11.5	--	4.4	--	2.4	--
5/18/79	2.3	0	9.1	--	--	9.1	2.2	2.6	--	2.4	--
5/29/79	--	0.15	--	--	--	--	--	1.6	--	2.2	42
6/10/79	1.5	0.09	10.0	--	--	10.0	5.4	2.7	--	2.5	--
7/ 5/79	--	1.26	--	--	--	--	--	14.3	--	16.7	50
7/21/79	1.6	0	10.5	11.2	--	11.2	4.1	3.9	--	4.3	--
8/24/79	1.6	0.81	10.0	10.5	--	11.0	2.9	3.4	--	2.5	--
9/ 3/79	--	0.95	--	--	--	--	--	--	--	--	14
9/17/79	0.9	0	--	--	--	--	--	3.0	--	2.0	--
10/14/79	1.4	0.15	11.0	--	--	11.0	2.0	6.0	--	2.0	--
11/30/79	--	0.57	--	--	--	--	--	--	--	--	2
12/ 1/79	4.6	1.75	6.0	6.0	--	6.0	25.0	35.0	--	42.0	--
12/29/79	5.8	0.67	5.0	5.0	--	5.0	3.0	4.0	--	2.0	--
MEAN	4.3	1.05	7.8	--	--	7.6	5.8	7.7	--	8.0	--
Std. Dev.	±3.5	±1.36	±2.7	--	--	±3.2	±6.9	±10.0	--	±15.0	--
Range	0.9-15.1	0-4.79	4.0-11.0	-	--	1.6-11.5	1.7-25.0	1.6-35.0	--	1.6-72.0	--

- (a) Measured in Lynch Road culvert.
- (b) Precipitation: cumulative total from 1 week prior to sampling date.
- (c) A: 20 m above clearcut area (about 1 kilometer above stream mouth)
 B: 25 m above feeder stream on right bank
 C: at confluence of feeder stream, 60 m above Lynch Road
 D: Mary's Bridge (300 m above stream mouth)
- (d) Collected in plunge pool below Lynch Road.

Fawn Lake Stream Monitoring Water Quality Data

Date	Flow (CFS)	Dam	Temp. (°C)			Susp. solids (mg/l)				Coliform (col./100ml)	
			A	B	D	Dam	A	B	D	Dam	Road
3/23/80	4.98	-	9.0	9.0	9.0	--	3	4	4	-	4
6/ 3/80	--	-	--	--	--	--	3	968	1044	-	-
6/ 7/80	2.6	-	10.0	10.5	10.5	--	3	4	4	-	-
9/13/80	2.9	-	13.5	13.0	13.0	--	3	4	5	-	5(10/9/80)
1/ 1/81	17.6	-	7.5	7.5	7.5	--	2	2	109	-	23
1/13/81	--	-	--	--	--	<1	-	<1	<1	21	4
3/27/81	5.1	12.0	10.0	--	10.0	<1	<1	-	2	-	-