ERRATA NOTES – added November 7, 2013

PLEASE NOTE THAT THESE DATA TABLES ARE CONSIDERED UNRELIABLE.

At some point after the initial publication release, the data tables for this report were informally retracted and removed from the DGGS library and public sales. Written documentation describing why the tables were removed was either not provided or not preserved. This was standard operating procedure for the publication series (Public Data File) and the era in which this dataset was originally published. Subsequent personal communication between current DNR staff members and the authors indicates that the tables were pulled from circulation because the measurements were collected using equipment that was later found to have a faulty sensor.

In conjunction with recent division-wide historic data rescue efforts we have located and scanned the original data tables. We are providing these tables to allow users to view original information that may have been cited in subsequent studies. However, we remind users that information released in Public Data File reports was not technically reviewed prior to release and that DNR staff believe this particular dataset was retracted shortly after publication to prevent propagation of possibly erroneous information.

PDF 90-14

Summary of Streamflow Data for the Little Salmon River and Walker Lake Creek, Skagway B-3 and B-4 Quadrangles, Alaska: Draft Report

Notes of data concern re draft Walker Creek draft report

The following is correspondence from Roy Ireland on November 11, 2013 concerning the data that was collected and used for the Walker Creek draft report:

1) Over the past two decades, I have been contacted several times by different parties, all linked to the potential hydro-power project. Each of the discussions followed a similar pathway.

2) Equipment, both in the field and in the office, was much more primitive than nowadays. Computers were DOS or Windows 3.1 at best, data storage was via 5 1/4 floppy disks, data loggers were very primitive, using eproms as the recording medium (and they were very limited in data bit size (8) and storage (2k) with no date or time). Observation windows were limited in scope (30 minute intervals).

3) The sensors were the first generation of such devices, and the rubber housings absorbed water which caused the sensor readings to drift in non linear ways.

4) Salmon Creek had an unstable channel and was often displaced over the floodplain. Walker Lake stream was in an area of very heavy snowfall and often near to unmanageable as a result. Helicopter access was quite dangerous.

5) The site was visited as often as the budget allowed and at those times, the flow was measured using standard field equipment and professional gauging standards. A limited rating curve was developed for the site based on these measurements. The rating curve was based on at best three years of data and each year had at best four measurements - normal standards are at least four quarterly visits over 5 to 10 years, with valid data.

6) There was no practical way of making measurements during the critical high and low flows due to remoteness of the site and lack of forewarning of these events.

7) The project was curtailed after three years due to these inadequacies (which were later overcome by newer computers, better operating systems, greatly enhanced data loggers and totally redesigned sensors, but too late for this project). As mentioned, I was not the project leader and was only loosely aware of all the background negotiations with the Alaska Power Authority (APA, hereafter) and the eventual cancelation.

8) We were required to submit a report to the APA as a condition of the contract, despite it having been discontinued for equipment related issues and this requirement was reflected in the filing of the data report as a "draft report" only. I might add, that APA was fully aware of the sensor and computer problems of the time and was still eager for DNR to get into the electronic data gathering business, even sponsoring outside training.

9) The annual hydro-graph that was included in the report follows the general shape of the hydro-graph for a non-glacial snowmelt/precipitation driven stream. The proportions shown in the report were derived from the data available to Stan Carrick (the Project Leader) and may have included comparisons

with similar basins. Data from the data loggers would have appeared to be reasonable; however, there was no way to be reliably certain that the proportions were correct, given the sensor drift, the coarse data sensing periods and the missing of peak events.

10) All this said, I have repeatedly maintained that the consultants should install modern sensors and loggers to validate the existing data or to replace it completely. Had this been done, it is possible that 20 years of additional data could have been obtained. It was not.

11) It is always a fact that it is their money that they, the developers, are investing and their risks to take. Were it up to me, I would delay the project in order to acquire more data. Three years of (now missing) data presented in a draft report certainly would not satisfy me. I am sure the best effort was made at the time, but in retrospect it was too ambitious given the logistics and the equipment available.

Even the best attempts can fail to produce the required information and I feel there is reason the project was cancelled prior to completion. This is not intended to imply that inferior work was done - to the contrary, the project was cancelled as a proper result of the problems encountered. The equipment was discarded and newer devices were obtained as they came to market. The budget of this particular project limited any further activity and it was never resumed.

PDF 90-14

State of Alaska
Department of Natural Resources
Division of Geological & Geophysical Surveys
3354 College Road
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DNR'S GIS PROJECT

AOS/VS REVISION 7.64.00.00
AOS/VS XLPT-32 REVISION 7.64.00.00

LITTLE SALMON RIVER
STREAMFLOW DATA

DRAFT

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JANUARY

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	*	*	*	*	*	*	*	0
2	*	*	*	*	*	*	*	0
3	*	*	*	*	*	*	*	0
4	*	*	*	*	*	*	*	0
5	*	*	*	*	*	*	*	0
6	*	*	*	*	*	*	*	0
7	*	*	*	*	*	*	*	0
8	*	*	*	*	*	*	*	0
9	*	*	*	*	*	*	*	0
10	*	*	*	*	*	*	*	0
11	*	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*	0
13	*	*	*	*	*	*	*	0
14	*	*	*	*	*	*	*	0
15	*	*	*	*	*	*	*	0
16	*	*	*	*	*	*	*	0
17	*	*	*	*	*	*	*	0
18	*	*	*	*	*	*	*	0
19	*	*	*	*	*	*	*	0
20	*	*	*	*	*	*	*	0
21	*	*	*	*	*	*	*	0
22	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	0
24	*	*	*	*	*	*	*	0
25	*	*	*	*	*	*	*	0
26	*	*	*	*	*	*	*	0
27	*	*	*	*	*	*	*	0
28	*	*	*	*	*	*	*	0
29	*	*	*	*	*	*	*	0
30	*	*	*	*	*	*	*	0
31	*	*	*	*	*	*	*	0

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=FEBRUARY

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	*	*	*	*	*	*	*	0
2	*	*	*	*	*	*	*	0
3	*	*	*	*	*	*	*	0
4	*	*	*	*	*	*	*	0
5	*	*	*	*	*	*	*	0
6	*	*	*	*	*	*	*	0
7	*	*	*	*	*	*	*	0
8	*	*	*	*	*	*	*	0
9	*	*	*	*	*	*	*	0
10	*	*	*	*	*	*	*	0
11	*	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*	0
13	*	*	*	*	*	*	*	0
14	*	*	*	*	*	*	*	0
15	*	*	*	*	*	*	*	0
16	*	*	*	*	*	*	*	0
17	*	*	*	*	*	*	*	0
18	*	*	*	*	*	*	*	0
19	*	*	*	*	*	*	*	0
20	*	*	*	*	*	*	*	0
21	*	*	*	*	*	*	*	0
22	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	0
24	*	*	*	*	*	*	*	0
25	*	*	*	*	*	*	*	0
26	*	*	*	*	*	*	*	0
27	*	*	*	*	*	*	*	0
28	*	*	*	*	*	*	*	0

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MARCH

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	*	*	*	*	*	*	*	0
2	*	*	*	*	*	*	*	0
3	*	*	*	*	*	*	*	0
4	*	*	*	*	*	*	*	0
5	*	*	*	*	*	*	*	0
6	*	*	*	*	*	*	*	0
7	*	*	*	*	*	*	*	0
8	*	*	*	*	*	*	*	0
9	*	*	*	*	*	*	*	0
10	*	*	*	*	*	*	*	0
11	*	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*	0
13	*	*	*	*	*	*	*	0
14	*	*	*	*	*	*	*	0
15	*	*	*	*	*	*	*	0
16	*	*	*	*	*	*	*	0
17	*	*	*	*	*	*	*	0
18	*	*	*	*	*	*	*	0
19	*	*	*	*	*	*	*	0
20	*	*	*	*	*	*	*	0
21	*	*	*	*	*	*	*	0
22	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	0
24	*	*	*	*	*	*	*	0
25	*	*	*	*	*	*	*	0
26	*	*	*	*	*	*	*	0
27	*	*	*	*	*	*	*	0
28	*	*	*	*	*	*	*	0
29	*	*	*	*	*	*	*	0
30	*	*	*	*	*	*	*	0
31	*	*	*	*	*	*	*	0

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=APRIL

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	.	.	.	.	.	.	.	0
2	.	.	.	.	.	.	.	0
3	.	.	.	.	.	.	.	0
4	.	.	.	.	.	.	.	0
5	.	.	.	.	.	.	.	0
6	.	.	.	.	.	.	.	0
7	.	.	.	.	.	.	.	0
8	.	.	.	.	.	.	.	0
9	.	.	.	.	.	.	.	0
10	.	.	.	.	.	.	.	0
11	.	.	.	.	.	.	.	0
12	.	.	.	.	.	.	.	0
13	.	.	.	.	.	.	.	0
14	.	.	.	.	.	.	.	0
15	.	.	.	.	.	.	.	0
16	.	.	.	.	.	.	.	0
17	.	.	.	.	.	.	.	0
18	.	.	.	.	.	.	.	0
19	.	.	.	.	.	.	.	0
20	.	.	.	.	.	.	.	0
21	.	.	.	.	.	.	.	0
22	.	.	.	.	.	.	.	0
23	.	.	.	.	.	.	.	0
24	.	.	.	.	.	.	.	0
25	.	.	.	.	.	.	.	0
26	.	.	.	.	.	.	.	0
27	.	.	.	.	.	.	.	0
28	13.17	13.17	13.17	13.17	.	664.250	15942.0	1
29	11.97	11.97	11.97	11.97	.	603.489	14483.7	1
30	15.18	15.18	15.18	15.18	.	765.601	18374.4	1

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MAY

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	20.29	20.29	20.29	20.29	.	1023.10	24554	1
2	26.31	26.31	26.31	26.31	.	1326.44	31835	1
3	27.86	27.86	27.86	27.86	.	1404.60	33710	1
4	31.73	31.73	31.73	31.73	.	1599.78	38395	1
5	36.50	36.50	36.50	36.50	.	1840.43	44170	1
6	33.29	27.69	38.89	33.29	7.92	1678.61	40287	2
7	34.25	27.13	41.36	34.25	10.07	1726.83	41444	2
8	35.68	27.89	43.46	35.68	11.01	1799.00	43176	2
9	36.25	28.28	44.22	36.25	11.27	1827.69	43865	2
10	34.86	26.10	43.62	34.86	12.39	1757.67	42184	2
11	32.05	21.38	42.73	32.05	15.10	1616.17	38788	2
12	34.24	23.44	45.03	34.24	15.26	1726.30	41431	2
13	36.54	24.89	48.20	36.54	16.48	1842.57	44222	2
14	38.81	26.53	51.10	38.81	17.37	1957.09	46970	2
15	41.08	27.12	55.04	41.08	19.74	2071.26	49710	2
16	44.99	29.19	60.79	44.99	22.35	2268.71	54449	2
17	48.92	33.62	64.22	48.92	21.63	2466.65	59200	2
18	47.53	30.78	64.29	47.53	23.69	2396.79	57523	2
19	46.91	28.89	64.93	46.91	25.49	2365.51	56772	2
20	49.67	32.10	67.25	49.67	24.85	2504.74	60114	2
21	53.18	32.88	73.48	53.18	28.70	2681.41	64354	2
22	58.07	34.89	81.24	58.07	32.77	2927.90	70270	2
23	56.78	32.92	80.64	56.78	33.75	2863.04	68713	2
24	61.85	40.99	82.71	61.85	29.51	3118.78	74851	2
25	68.57	40.12	97.02	68.57	40.23	3457.50	82980	2
26	83.80	62.32	105.3	83.80	30.39	4225.70	101417	2
27	86.52	64.72	108.3	86.52	30.83	4362.86	104709	2
28	97.71	74.74	120.7	97.71	32.48	4926.70	118241	2
29	127.5	110.3	144.7	127.5	24.38	6428.47	154283	2
30	159.3	133.6	184.9	159.3	36.27	8030.62	192735	2
31	161.9	160.3	163.5	161.9	2.25	8163.24	195918	2

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JUNE

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	151.6	147.6	155.7	151.6	5.72	7644.8	183475	2
2	128.1	115.1	141.2	128.1	18.45	6460.9	155061	2
3	134.7	129.7	139.6	134.7	7.00	6791.5	162996	2
4	127.2	119.6	134.9	127.2	10.80	6414.9	153957	2
5	148.9	120.7	177.1	148.9	39.87	7508.2	180196	2
6	168.6	122.4	214.7	168.6	65.25	8499.1	203979	2
7	117.5	117.5	117.5	117.5	.	5924.9	142198	1
8	126.6	126.6	126.6	126.6	.	6385.6	153255	1
9	136.7	136.7	136.7	136.7	.	6892.1	165410	1
10	131.3	131.3	131.3	131.3	.	6622.9	158949	1
11	131.2	131.2	131.2	131.2	.	6616.9	158807	1
12	135.9	135.9	135.9	135.9	.	6852.1	164451	1
13	128.5	128.5	128.5	128.5	.	6481.9	155566	1
14	126.4	126.4	126.4	126.4	.	6375.4	153009	1
15	124.7	124.7	124.7	124.7	.	6289.7	150954	1
16	117.7	117.7	117.7	117.7	.	5933.1	142394	1
17	122.6	122.6	122.6	122.6	.	6180.4	148331	1
18	152.8	152.8	152.8	152.8	.	7704.5	184908	1
19	147.4	147.4	147.4	147.4	.	7431.7	178361	1
20	154.1	154.1	154.1	154.1	.	7771.1	186508	1
21	199.3	199.3	199.3	199.3	.	10047.4	241138	1
22	201	201	201	201	.	10132.8	243188	1
23	157	157	157	157	.	7914.3	189943	1
24	131.2	131.2	131.2	131.2	.	6613.6	158787	1
25	115.4	115.4	115.4	115.4	.	5819.6	139671	1
26	110.5	110.5	110.5	110.5	.	5573.1	133754	1
27	107.8	107.8	107.8	107.8	.	5434.4	130425	1
28	110.4	110.4	110.4	110.4	.	5567.8	133628	1
29	123	123	123	123	.	6203.4	148882	1
30	160.3	160.3	160.3	160.3	.	8082.8	193986	1

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JULY

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	177.3	177.3	177.3	177.3	.	8942.26	214614	1
2	180.7	180.7	180.7	180.7	.	9109.98	218640	1
3	153.1	153.1	153.1	153.1	.	7718.20	185237	1
4	150.9	150.9	150.9	150.9	.	7607.61	182583	1
5	149.7	149.7	149.7	149.7	.	7546.68	181120	1
6	134.3	134.3	134.3	134.3	.	6769.40	162465	1
7	115	115	115	115	.	5800.84	139220	1
8	108.3	108.3	108.3	108.3	.	5460.14	131043	1
9	98.42	98.42	98.42	98.41	.	4962.46	119099	1
10	90.85	90.85	90.85	90.85	.	4581.09	109946	1
11	80.88	80.88	80.88	80.88	.	4078.28	97879	1
12	71.82	71.82	71.82	71.82	.	3621.69	86921	1
13	68.76	68.76	68.76	68.76	.	3467.06	83209	1
14	62.76	62.76	62.76	62.76	.	3164.60	75950	1
15	52.55	52.55	52.55	52.55	.	2649.85	63597	1
16	50.06	50.06	50.06	50.06	.	2524.38	60585	1
17	49.57	49.57	49.57	49.57	.	2499.42	59986	1
18	46.60	46.60	46.60	46.60	.	2349.92	56398	1
19	.	.	.	.	.	.	.	0
20	.	.	.	.	.	.	.	0
21	.	.	.	.	.	.	.	0
22	.	.	.	.	.	.	.	0
23	.	.	.	.	.	.	.	0
24	.	.	.	.	.	.	.	0
25	.	.	.	.	.	.	.	0
26	.	.	.	.	.	.	.	0
27	61.12	61.12	61.12	61.12	.	3081.80	73963	1
28	32.43	32.43	32.43	32.43	.	1635.41	39250	1
29	10.54	10.54	10.54	10.54	.	531.68	12760	1
30	3.46	3.46	3.46	3.46	.	174.47	4187	1
31	1.97	1.97	1.97	1.97	.	99.38	2385	1

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=AUGUST

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	1.53	1.53	1.53	1.53	.	77.19	1852.6	1
2	1.95	1.95	1.95	1.95	.	98.54	2364.9	1
3	1.99	1.99	1.99	1.99	.	100.18	2404.2	1
4	2.12	2.12	2.12	2.12	.	107.07	2569.6	1
5	2.09	2.09	2.09	2.09	.	105.60	2534.3	1
6	2.71	2.71	2.71	2.71	.	136.77	3282.6	1
7	2.75	2.75	2.75	2.75	.	138.67	3328.0	1
8	2.61	2.61	2.61	2.61	.	131.52	3156.5	1
9	4.21	4.21	4.21	4.21	.	212.20	5092.8	1
10	4.56	4.56	4.56	4.56	.	229.85	5516.4	1
11	4.52	4.52	4.52	4.52	.	227.92	5470.0	1
12	5.08	5.08	5.08	5.08	.	256.19	6148.7	1
13	5.40	5.40	5.40	5.40	.	272.37	6536.9	1
14	6.86	6.86	6.86	6.86	.	346.03	8304.8	1
15	7.88	7.88	7.88	7.88	.	397.51	9540.2	1
16	8.56	8.56	8.56	8.56	.	431.54	10357.0	1
17	9.05	9.05	9.05	9.05	.	456.38	10953.1	1
18	11.47	11.47	11.47	11.47	.	578.19	13876.6	1
19	13.14	13.14	13.14	13.14	.	662.53	15900.6	1
20	18.85	14.49	23.20	18.85	6.16	950.30	22807.2	2
21	17.77	12.34	23.20	17.77	7.68	896.09	21506.3	2
22	19.35	16.90	21.80	19.35	3.46	975.89	23421.4	2
23	19.55	17.80	21.30	19.55	2.47	985.68	23656.3	2
24	18.67	18.17	19.17	18.67	0.71	941.33	22591.9	2
25	16.93	15.32	18.53	16.93	2.27	853.55	20485.2	2
26	18.08	16.99	19.17	18.08	1.54	911.58	21877.9	2
27	20.17	18.13	22.21	20.17	2.89	1017.09	24410.2	2
28	23.74	15.43	32.04	23.74	11.74	1196.83	28723.9	2
29	25.97	21.73	30.20	25.97	5.99	1309.30	31423.1	2
30	23.26	22.35	24.17	23.26	1.29	1172.65	28143.5	2
31	21.68	20.88	22.48	21.68	1.13	1093.19	26236.5	2

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=SEPTEMBR

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	25.60	22.48	28.72	25.60	4.41	1290.87	30980.9	2
2	24.07	21.13	27.02	24.07	4.17	1213.87	29132.9	2
3	20.52	19.17	21.88	20.52	1.91	1034.84	24836.2	2
4	21.80	18.53	25.07	21.80	4.63	1099.30	26383.2	2
5	21.91	18.33	25.49	21.91	5.06	1104.91	26517.9	2
6	22.52	18.33	26.71	22.52	5.93	1135.67	27256.1	2
7	22.40	17.14	27.66	22.40	7.44	1129.58	27109.9	2
8	21.38	16.15	26.61	21.38	7.40	1078.06	25873.5	2
9	23.30	16.01	30.58	23.30	10.30	1174.79	28195.0	2
10	19.95	14.50	25.40	19.95	7.71	1006.06	24145.4	2
11	21.78	13.34	30.22	21.78	11.94	1098.25	26358.0	2
12	23.21	13.08	33.34	23.21	14.33	1170.44	28090.6	2
13	22.26	11.84	32.68	22.26	14.73	1122.37	26936.9	2
14	21.93	11.05	32.81	21.93	15.39	1105.90	26541.6	2
15	24.03	10.73	37.34	24.03	18.82	1211.81	29083.4	2
16	25.34	9.75	40.93	25.34	22.05	1277.76	30666.2	2
17	20.48	9.75	31.21	20.48	15.17	1032.66	24783.8	2
18	17.38	8.94	25.82	17.38	11.93	876.45	21034.8	2
19	20.75	8.54	32.96	20.75	17.27	1046.34	25112.1	2
20	20.86	8.54	33.18	20.86	17.42	1051.78	25242.7	2
21	8.94	8.94	8.94	8.94	.	450.96	10823.0	1
22	10.41	10.41	10.41	10.41	.	525.04	12600.9	1
23	16.13	16.13	16.13	16.13	.	813.55	19525.1	1
24	11.97	11.97	11.97	11.97	.	603.61	14486.8	1
25	9.86	9.86	9.86	9.86	.	497.09	11930.3	1
26	9.75	9.75	9.75	9.75	.	491.63	11799.2	1
27	9.04	9.04	9.04	9.04	.	456.04	10945.0	1
28	8.54	8.54	8.54	8.54	.	430.62	10334.9	1
29	8.54	8.54	8.54	8.54	.	430.62	10334.9	1
30	7.81	7.81	7.81	7.81	.	393.81	9451.4	1

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KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=OCTOBER

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	116	7.87	224.1	116	152.9	5848.82	140372	2
2	121.6	9.14	234.1	121.6	159.1	6132.54	147181	2
3	139.6	11.58	267.5	139.6	181	7037.23	168894	2
4	73.99	14.01	134	73.99	84.82	3730.69	89537	2
5	66.42	14.91	117.9	66.42	72.84	3349.21	80381	2
6	57.74	16.13	99.35	57.74	58.84	2911.49	69876	2
7	44.29	14.50	74.09	44.29	42.13	2233.44	53603	2
8	31.37	15.74	47.00	31.37	22.11	1581.79	37963	2
9	14.91	14.91	14.91	14.91	.	751.94	18047	1
10	13.72	13.72	13.72	13.73	.	692.07	16610	1
11	12.95	12.95	12.95	12.95	.	652.99	15672	1
12	13.08	13.08	13.08	13.08	.	659.50	15828	1
13	15.85	15.85	15.85	15.85	.	798.97	19175	1
14	30.29	30.29	30.29	30.29	.	1527.46	36659	1
15	25.95	25.95	25.95	25.95	.	1308.50	31404	1
16	24.65	24.65	24.65	24.65	.	1242.82	29828	1
17	22.96	22.96	22.96	22.96	.	1157.81	27788	1
18	21.63	21.63	21.63	21.63	.	1090.88	26181	1
19	22.96	22.96	22.96	22.96	.	1157.81	27788	1
20	22.48	22.48	22.48	22.48	.	1133.53	27205	1
21	29.46	29.46	29.46	29.46	.	1485.49	35652	1
22	60.09	60.09	60.09	60.09	.	3029.88	72717	1
23	125.5	125.5	125.5	125.5	.	6327.77	151866	1
24	92.10	92.10	92.10	92.10	.	4644.03	111457	1
25	69.01	69.01	69.01	69.01	.	3479.75	83514	1
26	55.46	55.46	55.46	55.46	.	2796.50	67116	1
27	46.99	46.99	46.99	46.99	.	2369.16	56860	1
28	40.29	40.29	40.29	40.29	.	2031.45	48755	1
29	35.63	35.63	35.63	35.63	.	1796.35	43112	1
30	33.19	33.19	33.19	33.19	.	1673.40	40162	1
31	.	.	.	.	.	.	.	0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & R=0HE/11.8

MONTH=NOVEMBER

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	*	*	*	*	*	*	*	0
2	*	*	*	*	*	*	*	0
3	*	*	*	*	*	*	*	0
4	*	*	*	*	*	*	*	0
5	*	*	*	*	*	*	*	0
6	*	*	*	*	*	*	*	0
7	*	*	*	*	*	*	*	0
8	*	*	*	*	*	*	*	0
9	*	*	*	*	*	*	*	0
10	*	*	*	*	*	*	*	0
11	*	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*	0
13	*	*	*	*	*	*	*	0
14	*	*	*	*	*	*	*	0
15	*	*	*	*	*	*	*	0
16	*	*	*	*	*	*	*	0
17	*	*	*	*	*	*	*	0
18	*	*	*	*	*	*	*	0
19	*	*	*	*	*	*	*	0
20	*	*	*	*	*	*	*	0
21	*	*	*	*	*	*	*	0
22	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	0
24	*	*	*	*	*	*	*	0
25	*	*	*	*	*	*	*	0
26	*	*	*	*	*	*	*	0
27	*	*	*	*	*	*	*	0
28	*	*	*	*	*	*	*	0
29	*	*	*	*	*	*	*	0
30	*	*	*	*	*	*	*	0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN DAILY DISCHARGE SUMMARY
H=700FT,E=85%,G=FLOW & P=QHE/11.8

MONTH=DECEMBER

DAY	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (24HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	*	*	*	*	*	*	*	0
2	*	*	*	*	*	*	*	0
3	*	*	*	*	*	*	*	0
4	*	*	*	*	*	*	*	0
5	*	*	*	*	*	*	*	0
6	*	*	*	*	*	*	*	0
7	*	*	*	*	*	*	*	0
8	*	*	*	*	*	*	*	0
9	*	*	*	*	*	*	*	0
10	*	*	*	*	*	*	*	0
11	*	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*	0
13	*	*	*	*	*	*	*	0
14	*	*	*	*	*	*	*	0
15	*	*	*	*	*	*	*	0
16	*	*	*	*	*	*	*	0
17	*	*	*	*	*	*	*	0
18	*	*	*	*	*	*	*	0
19	*	*	*	*	*	*	*	0
20	*	*	*	*	*	*	*	0
21	*	*	*	*	*	*	*	0
22	*	*	*	*	*	*	*	0
23	*	*	*	*	*	*	*	0
24	*	*	*	*	*	*	*	0
25	*	*	*	*	*	*	*	0
26	*	*	*	*	*	*	*	0
27	*	*	*	*	*	*	*	0
28	*	*	*	*	*	*	*	0
29	*	*	*	*	*	*	*	0
30	*	*	*	*	*	*	*	0
31	*	*	*	*	*	*	*	0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN MONTHLY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (730.56HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
JANUARY	*	*	*	*	*	*	*	0
FEBRUARY	*	*	*	*	*	*	*	0
MARCH	*	*	*	*	*	*	*	0
APRIL	13.44	11.97	15.18	13.17	1.62	677.78	495159	3
MAY	59.00	20.29	184.9	43.46	39.85	2975.05	2173454	57
JUNE	138.5	107.8	214.7	131.2	25.83	6989.85	5103582	36
JULY	84.83	1.97	180.7	71.82	53.64	4277.24	3124782	23
AUGUST	13.64	1.53	32.04	15.32	8.62	687.75	502441	43
SEPTEMBR	19.68	7.81	40.93	18.33	9.43	992.33	724955	50
OCTOBER	56.08	7.87	267.5	27.71	64.91	2827.86	2065918	38
NOVEMBER	*	*	*	*	*	*	*	0
DECEMBER	*	*	*	*	*	*	*	0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MEAN QUARTERLY DISCHARGE SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

QUARTER	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HRS) (2191.5HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
FIRST_QUARTER	.	.	.	.	.	.	.	0
SECOND_QUARTER	87.41	11.97	214.7	80.94	53.19	4407.31	9658622	96
THIRD_QUARTER	30.36	1.53	180.7	18.53	36.92	1530.74	3354623	116
FOURTH_QUARTER	56.08	7.87	267.5	27.71	64.91	2827.86	6197245	38

KLUKWAN DATA REPORT

LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988

OVERALL MEAN DISCHARGE

H=700FT,E=85%,Q=FLOW & P=QHE/11.8

OBS	MEAN FLOW (CFS.)	MINIMUM FLOW (CFS.)	MAXIMUM FLOW (CFS.)	MEDIAN FLOW (CFS.)	STANDARD DEVIATION OF MEAN	POWER (KWS)	ENERGY (KW-HOURS) (8766HRS X POWER)	NUMBER OF STAGE OBSERVATIONS
1	56.17	1.53	267.5	30.44	54.97	2832.51	24829748	250

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=JANUARY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
			MIN 1.930833	MAX 267.8483
JANUARY	1	*	*	*
JANUARY	2	*	*	*
JANUARY	3	*	*	*
JANUARY	4	*	*	*
JANUARY	5	*	*	*
JANUARY	6	*	*	*
JANUARY	7	*	*	*
JANUARY	8	*	*	*
JANUARY	9	*	*	*
JANUARY	10	*	*	*
JANUARY	11	*	*	*
JANUARY	12	*	*	*
JANUARY	13	*	*	*
JANUARY	14	*	*	*
JANUARY	15	*	*	*
JANUARY	16	*	*	*
JANUARY	17	*	*	*
JANUARY	18	*	*	*
JANUARY	19	*	*	*
JANUARY	20	*	*	*
JANUARY	21	*	*	*
JANUARY	22	*	*	*
JANUARY	23	*	*	*
JANUARY	24	*	*	*
JANUARY	25	*	*	*
JANUARY	26	*	*	*
JANUARY	27	*	*	*
JANUARY	28	*	*	*
JANUARY	29	*	*	*
JANUARY	30	*	*	*
JANUARY	31	*	*	*

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=FEBRUARY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
		MIN 1.530833		MAX 267.5483
FEBRUARY	1	*	*	*
FEBRUARY	2	*	*	*
FEBRUARY	3	*	*	*
FEBRUARY	4	*	*	*
FEBRUARY	5	*	*	*
FEBRUARY	6	*	*	*
FEBRUARY	7	*	*	*
FEBRUARY	8	*	*	*
FEBRUARY	9	*	*	*
FEBRUARY	10	*	*	*
FEBRUARY	11	*	*	*
FEBRUARY	12	*	*	*
FEBRUARY	13	*	*	*
FEBRUARY	14	*	*	*
FEBRUARY	15	*	*	*
FEBRUARY	16	*	*	*
FEBRUARY	17	*	*	*
FEBRUARY	18	*	*	*
FEBRUARY	19	*	*	*
FEBRUARY	20	*	*	*
FEBRUARY	21	*	*	*
FEBRUARY	22	*	*	*
FEBRUARY	23	*	*	*
FEBRUARY	24	*	*	*
FEBRUARY	25	*	*	*
FEBRUARY	26	*	*	*
FEBRUARY	27	*	*	*
FEBRUARY	28	*	*	*

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=MARCH

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MARCH	1	*	*	*
MARCH	2	*	*	*
MARCH	3	*	*	*
MARCH	4	*	*	*
MARCH	5	*	*	*
MARCH	6	*	*	*
MARCH	7	*	*	*
MARCH	8	*	*	*
MARCH	9	*	*	*
MARCH	10	*	*	*
MARCH	11	*	*	*
MARCH	12	*	*	*
MARCH	13	*	*	*
MARCH	14	*	*	*
MARCH	15	*	*	*
MARCH	16	*	*	*
MARCH	17	*	*	*
MARCH	18	*	*	*
MARCH	19	*	*	*
MARCH	20	*	*	*
MARCH	21	*	*	*
MARCH	22	*	*	*
MARCH	23	*	*	*
MARCH	24	*	*	*
MARCH	25	*	*	*
MARCH	26	*	*	*
MARCH	27	*	*	*
MARCH	28	*	*	*
MARCH	29	*	*	*
MARCH	30	*	*	*
MARCH	31	*	*	*

MIN 1.530833 — MAX 267.5483

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

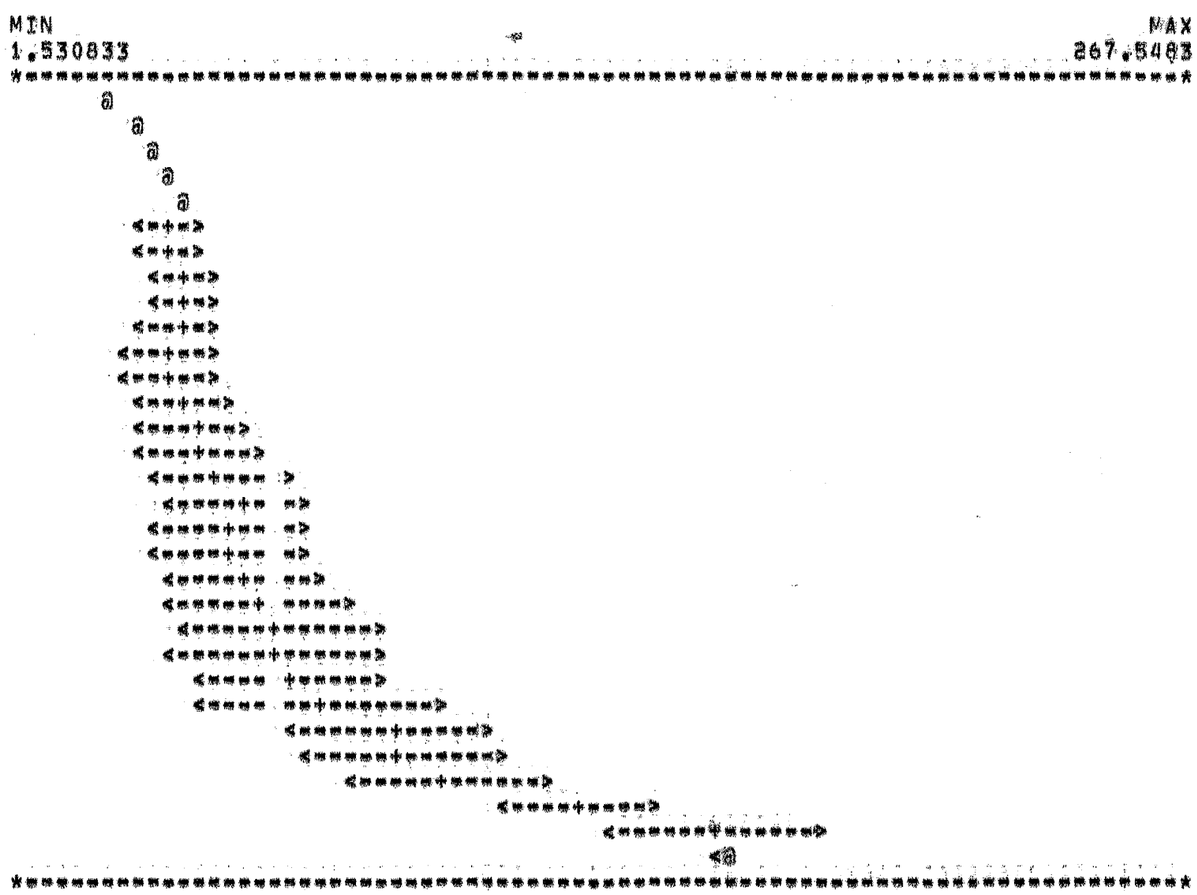
MONTH=APRIL

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW	MIN 1.530633 ... MAX 267.5483
APRIL	1	.	.	.	
APRIL	2	.	.	.	
APRIL	3	.	.	.	
APRIL	4	.	.	.	
APRIL	5	.	.	.	
APRIL	6	.	.	.	
APRIL	7	.	.	.	
APRIL	8	.	.	.	
APRIL	9	.	.	.	
APRIL	10	.	.	.	
APRIL	11	.	.	.	
APRIL	12	.	.	.	
APRIL	13	.	.	.	
APRIL	14	.	.	.	
APRIL	15	.	.	.	
APRIL	16	.	.	.	
APRIL	17	.	.	.	
APRIL	18	.	.	.	
APRIL	19	.	.	.	
APRIL	20	.	.	.	
APRIL	21	.	.	.	
APRIL	22	.	.	.	
APRIL	23	.	.	.	
APRIL	24	.	.	.	
APRIL	25	.	.	.	
APRIL	26	.	.	.	
APRIL	27	.	.	.	
APRIL	28	13.17	13.17	13.17	@
APRIL	29	11.97	11.97	11.97	@
APRIL	30	15.18	15.18	15.18	@

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=MAY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MAY	1	20.29	20.29	20.29
MAY	2	26.31	26.31	26.31
MAY	3	27.86	27.86	27.86
MAY	4	31.73	31.73	31.73
MAY	5	36.50	36.50	36.50
MAY	6	33.29	38.89	27.69
MAY	7	34.25	41.36	27.13
MAY	8	35.68	43.46	27.89
MAY	9	36.25	44.22	28.28
MAY	10	34.86	43.62	26.10
MAY	11	32.05	42.73	21.38
MAY	12	34.24	45.03	23.44
MAY	13	36.54	48.20	24.89
MAY	14	38.81	51.10	26.53
MAY	15	41.08	55.04	27.12
MAY	16	44.99	60.79	29.19
MAY	17	48.92	64.22	33.62
MAY	18	47.53	64.29	30.78
MAY	19	46.91	64.93	28.89
MAY	20	49.67	67.25	32.10
MAY	21	53.18	73.48	32.88
MAY	22	58.07	81.24	34.89
MAY	23	56.78	80.64	32.92
MAY	24	61.85	82.71	40.99
MAY	25	68.57	97.02	40.12
MAY	26	83.80	109.29	62.32
MAY	27	86.52	108.32	64.72
MAY	28	97.71	120.67	74.74
MAY	29	127.49	144.73	110.25
MAY	30	159.26	184.91	133.62
MAY	31	161.89	163.48	160.30



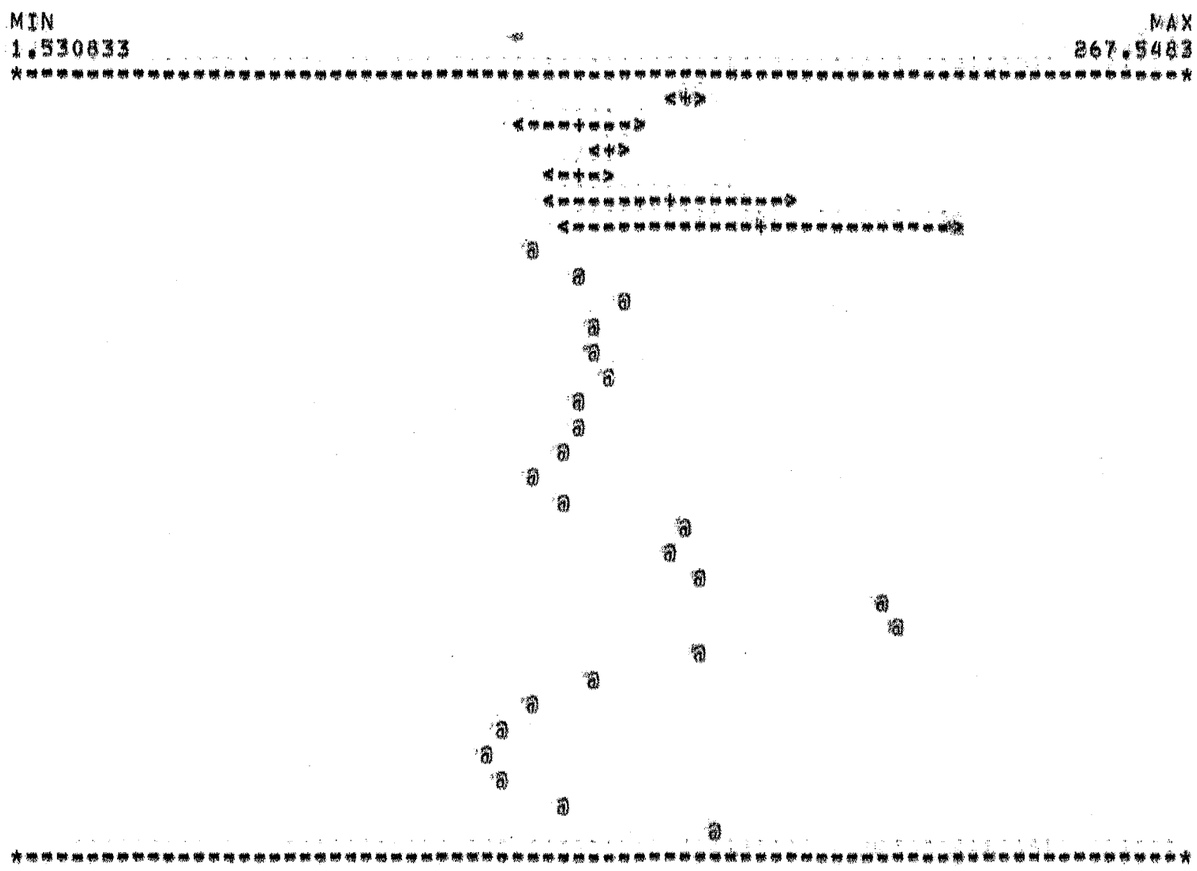
KLUKWAN DATA REPORT

LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988

TIMEPLOT OF DAILY MEANS

MONTH=JUNE

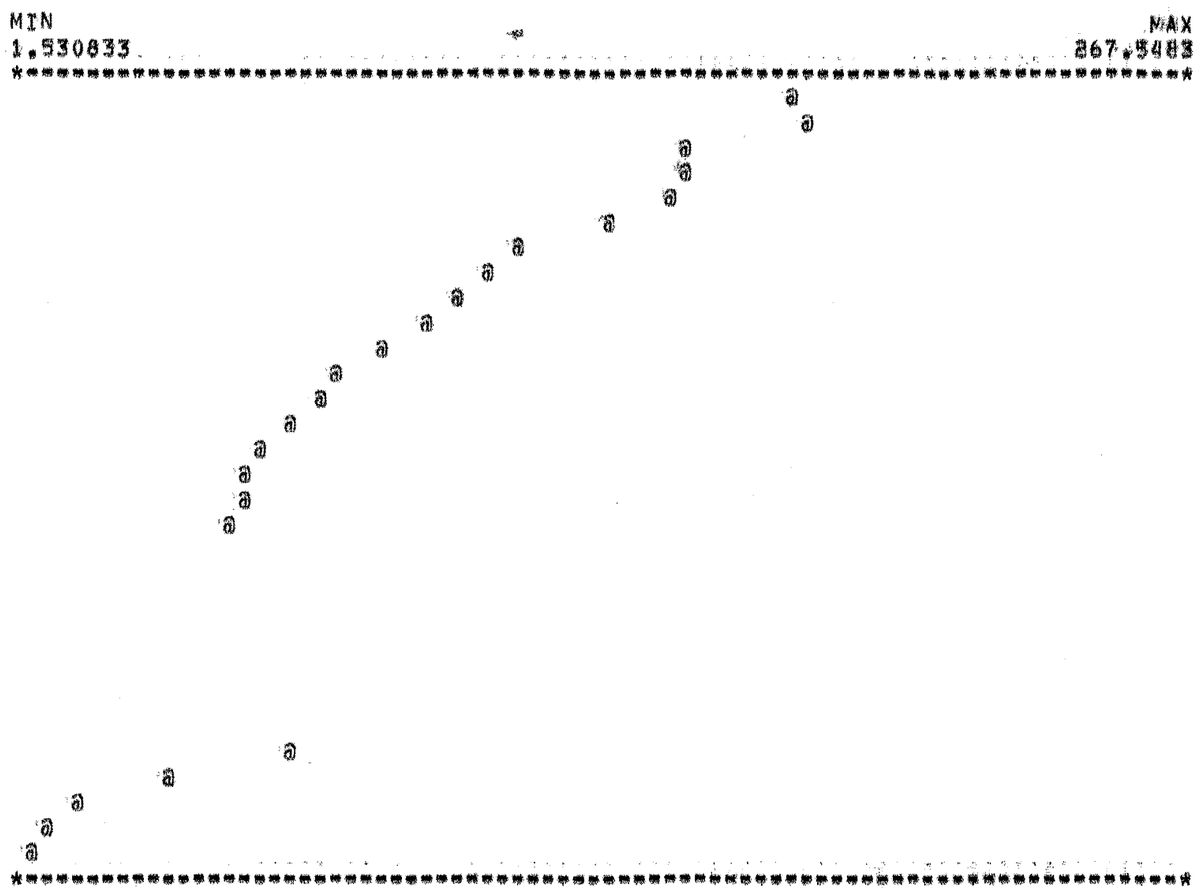
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JUNE	1	151.61	155.66	147.57
JUNE	2	128.13	141.18	115.09
JUNE	3	134.69	139.64	129.74
JUNE	4	127.22	134.85	119.59
JUNE	5	148.90	177.09	120.71
JUNE	6	168.55	214.70	122.41
JUNE	7	117.50	117.50	117.50
JUNE	8	126.64	126.64	126.64
JUNE	9	136.68	136.68	136.68
JUNE	10	131.34	131.34	131.34
JUNE	11	131.23	131.23	131.23
JUNE	12	135.89	135.89	135.89
JUNE	13	128.55	128.55	128.55
JUNE	14	126.44	126.44	126.44
JUNE	15	124.74	124.74	124.74
JUNE	16	117.66	117.66	117.66
JUNE	17	122.57	122.57	122.57
JUNE	18	152.80	152.80	152.80
JUNE	19	147.39	147.39	147.39
JUNE	20	154.12	154.12	154.12
JUNE	21	199.26	199.26	199.26
JUNE	22	200.95	200.95	200.95
JUNE	23	156.96	156.96	156.96
JUNE	24	131.16	131.16	131.16
JUNE	25	115.41	115.41	115.41
JUNE	26	110.52	110.52	110.52
JUNE	27	107.77	107.77	107.77
JUNE	28	110.42	110.42	110.42
JUNE	29	123.03	123.03	123.03
JUNE	30	160.30	160.30	160.30



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=JULY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JULY	1	177.34	177.34	177.34
JULY	2	180.67	180.67	180.67
JULY	3	153.07	153.07	153.07
JULY	4	150.87	150.87	150.87
JULY	5	149.67	149.67	149.67
JULY	6	134.25	134.25	134.25
JULY	7	115.04	115.04	115.04
JULY	8	108.28	108.28	108.28
JULY	9	98.42	98.42	98.42
JULY	10	90.85	90.85	90.85
JULY	11	80.88	80.88	80.88
JULY	12	71.82	71.82	71.82
JULY	13	68.76	68.76	68.76
JULY	14	62.76	62.76	62.76
JULY	15	52.55	52.55	52.55
JULY	16	50.06	50.06	50.06
JULY	17	49.57	49.57	49.57
JULY	18	46.60	46.60	46.60
JULY	19	.	.	.
JULY	20	.	.	.
JULY	21	.	.	.
JULY	22	.	.	.
JULY	23	.	.	.
JULY	24	.	.	.
JULY	25	.	.	.
JULY	26	.	.	.
JULY	27	61.12	61.12	61.12
JULY	28	32.43	32.43	32.43
JULY	29	10.54	10.54	10.54
JULY	30	3.46	3.46	3.46
JULY	31	1.97	1.97	1.97



KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

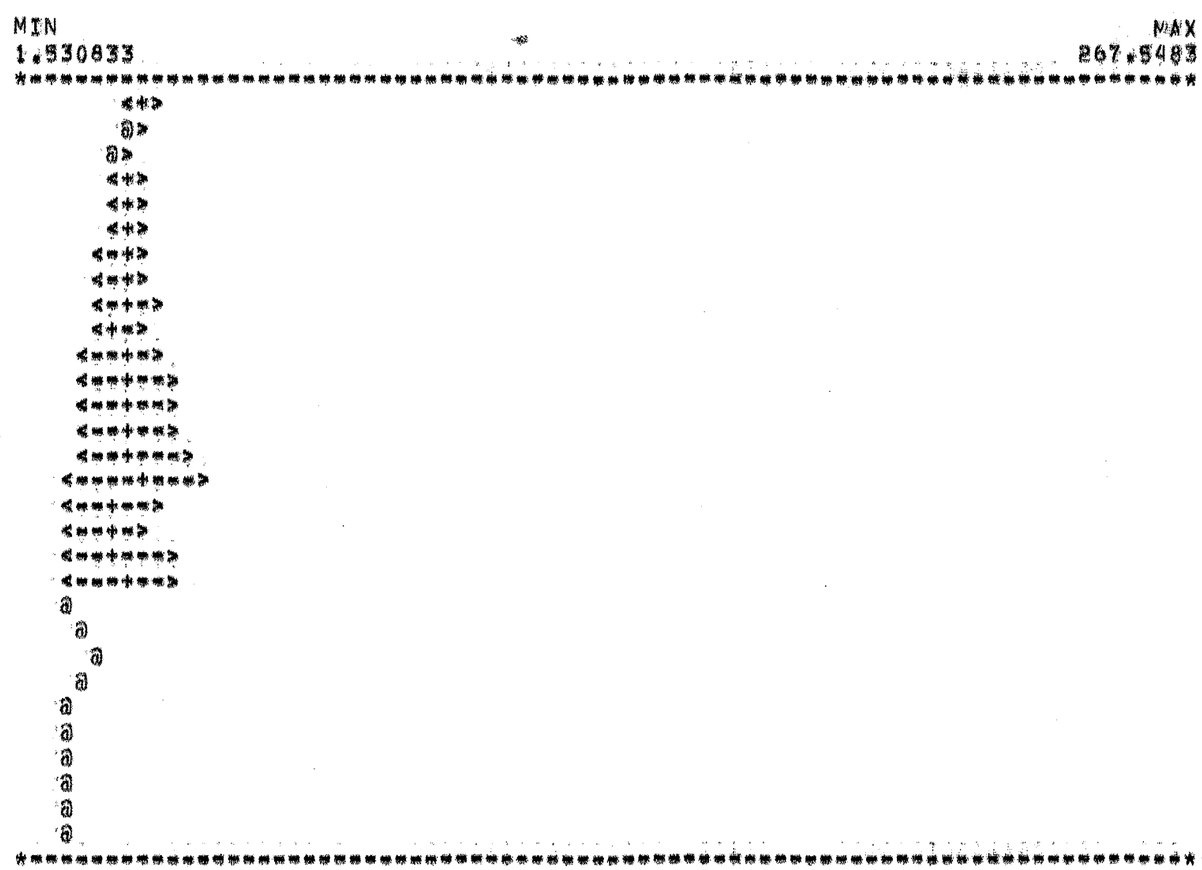
MONTH=AUGUST

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW	MIN 1.930833 ... MAX 267.5483
AUGUST	1	1.53	1.53	1.53	@
AUGUST	2	1.95	1.95	1.95	@
AUGUST	3	1.99	1.99	1.99	@
AUGUST	4	2.12	2.12	2.12	@
AUGUST	5	2.09	2.09	2.09	@
AUGUST	6	2.71	2.71	2.71	@
AUGUST	7	2.75	2.75	2.75	@
AUGUST	8	2.61	2.61	2.61	@
AUGUST	9	4.21	4.21	4.21	@
AUGUST	10	4.56	4.56	4.56	@
AUGUST	11	4.52	4.52	4.52	@
AUGUST	12	5.08	5.08	5.08	@
AUGUST	13	5.40	5.40	5.40	@
AUGUST	14	6.86	6.86	6.86	@
AUGUST	15	7.88	7.88	7.88	@
AUGUST	16	8.56	8.56	8.56	@
AUGUST	17	9.05	9.05	9.05	@
AUGUST	18	11.47	11.47	11.47	@
AUGUST	19	13.14	13.14	13.14	@
AUGUST	20	18.85	23.20	14.49	<+>
AUGUST	21	17.77	23.20	12.34	<-+>
AUGUST	22	19.35	21.80	16.90	<+>
AUGUST	23	19.55	21.30	17.80	@>
AUGUST	24	18.67	19.17	18.17	@
AUGUST	25	16.93	18.53	15.32	@>
AUGUST	26	18.08	19.17	16.99	<@
AUGUST	27	20.17	22.21	18.13	@>
AUGUST	28	23.74	32.04	15.43	<-+->
AUGUST	29	25.97	30.20	21.73	<+>
AUGUST	30	23.26	24.17	22.35	@
AUGUST	31	21.68	22.48	20.88	@

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=SEPTEMBR

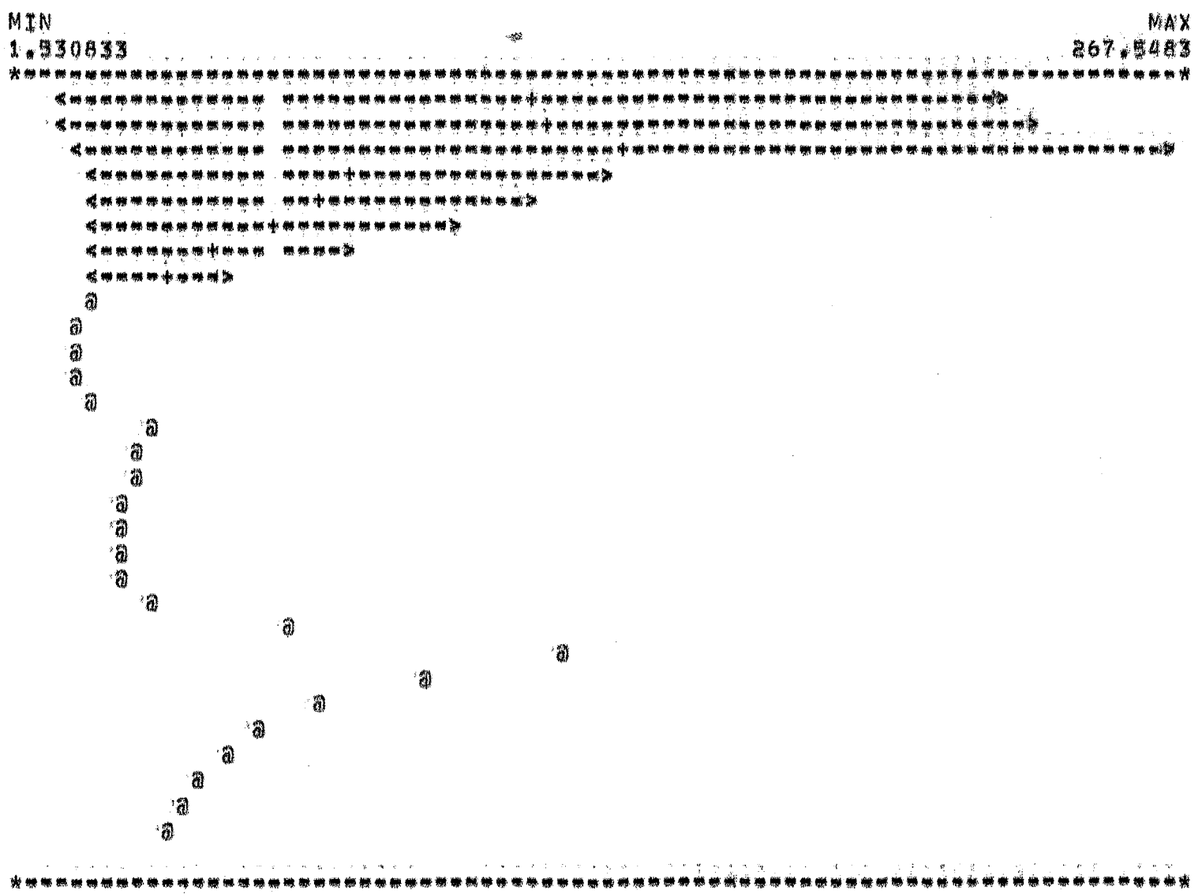
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
SEPTEMBR	1	25.60	28.72	22.48
SEPTEMBR	2	24.07	27.02	21.13
SEPTEMBR	3	20.52	21.88	19.17
SEPTEMBR	4	21.80	25.07	18.53
SEPTEMBR	5	21.91	25.49	18.33
SEPTEMBR	6	22.52	26.71	18.33
SEPTEMBR	7	22.40	27.66	17.14
SEPTEMBR	8	21.38	26.61	16.15
SEPTEMBR	9	23.30	30.58	16.01
SEPTEMBR	10	19.95	25.40	14.50
SEPTEMBR	11	21.78	30.22	13.34
SEPTEMBR	12	23.21	33.34	13.08
SEPTEMBR	13	22.26	32.68	11.84
SEPTEMBR	14	21.93	32.81	11.05
SEPTEMBR	15	24.03	37.34	10.73
SEPTEMBR	16	25.34	40.93	9.75
SEPTEMBR	17	20.48	31.21	9.75
SEPTEMBR	18	17.38	25.82	8.94
SEPTEMBR	19	20.75	32.96	8.54
SEPTEMBR	20	20.86	33.18	8.54
SEPTEMBR	21	8.94	8.94	8.94
SEPTEMBR	22	10.41	10.41	10.41
SEPTEMBR	23	16.13	16.13	16.13
SEPTEMBR	24	11.97	11.97	11.97
SEPTEMBR	25	9.86	9.86	9.86
SEPTEMBR	26	9.75	9.75	9.75
SEPTEMBR	27	9.04	9.04	9.04
SEPTEMBR	28	8.54	8.54	8.54
SEPTEMBR	29	8.54	8.54	8.54
SEPTEMBR	30	7.81	7.81	7.81



KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=OCTOBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
OCTOBER	1	115.99	224.12	7.87
OCTOBER	2	121.62	234.10	9.14
OCTOBER	3	139.56	267.55	11.58
OCTOBER	4	73.99	133.97	14.01
OCTOBER	5	66.42	117.93	14.91
OCTOBER	6	57.74	99.35	16.13
OCTOBER	7	44.29	74.09	14.50
OCTOBER	8	31.37	47.00	15.74
OCTOBER	9	14.91	14.91	14.91
OCTOBER	10	13.72	13.72	13.72
OCTOBER	11	12.95	12.95	12.95
OCTOBER	12	13.08	13.08	13.08
OCTOBER	13	15.85	15.85	15.85
OCTOBER	14	30.29	30.29	30.29
OCTOBER	15	25.95	25.95	25.95
OCTOBER	16	24.65	24.65	24.65
OCTOBER	17	22.96	22.96	22.96
OCTOBER	18	21.63	21.63	21.63
OCTOBER	19	22.96	22.96	22.96
OCTOBER	20	22.48	22.48	22.48
OCTOBER	21	29.46	29.46	29.46
OCTOBER	22	60.09	60.09	60.09
OCTOBER	23	125.49	125.49	125.49
OCTOBER	24	92.10	92.10	92.10
OCTOBER	25	69.01	69.01	69.01
OCTOBER	26	55.46	55.46	55.46
OCTOBER	27	46.99	46.99	46.99
OCTOBER	28	40.29	40.29	40.29
OCTOBER	29	35.63	35.63	35.63
OCTOBER	30	33.19	33.19	33.19
OCTOBER	31	.	.	.



KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=NOVEMBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
NOVEMBER	1	*	*	*
NOVEMBER	2	*	*	*
NOVEMBER	3	*	*	*
NOVEMBER	4	*	*	*
NOVEMBER	5	*	*	*
NOVEMBER	6	*	*	*
NOVEMBER	7	*	*	*
NOVEMBER	8	*	*	*
NOVEMBER	9	*	*	*
NOVEMBER	10	*	*	*
NOVEMBER	11	*	*	*
NOVEMBER	12	*	*	*
NOVEMBER	13	*	*	*
NOVEMBER	14	*	*	*
NOVEMBER	15	*	*	*
NOVEMBER	16	*	*	*
NOVEMBER	17	*	*	*
NOVEMBER	18	*	*	*
NOVEMBER	19	*	*	*
NOVEMBER	20	*	*	*
NOVEMBER	21	*	*	*
NOVEMBER	22	*	*	*
NOVEMBER	23	*	*	*
NOVEMBER	24	*	*	*
NOVEMBER	25	*	*	*
NOVEMBER	26	*	*	*
NOVEMBER	27	*	*	*
NOVEMBER	28	*	*	*
NOVEMBER	29	*	*	*
NOVEMBER	30	*	*	*

MIN 1.930833 MAX 267.5483

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
TIMEPLOT OF DAILY MEANS

MONTH=DECEMBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
DECEMBER	1	*	*	*
DECEMBER	2	*	*	*
DECEMBER	3	*	*	*
DECEMBER	4	*	*	*
DECEMBER	5	*	*	*
DECEMBER	6	*	*	*
DECEMBER	7	*	*	*
DECEMBER	8	*	*	*
DECEMBER	9	*	*	*
DECEMBER	10	*	*	*
DECEMBER	11	*	*	*
DECEMBER	12	*	*	*
DECEMBER	13	*	*	*
DECEMBER	14	*	*	*
DECEMBER	15	*	*	*
DECEMBER	16	*	*	*
DECEMBER	17	*	*	*
DECEMBER	18	*	*	*
DECEMBER	19	*	*	*
DECEMBER	20	*	*	*
DECEMBER	21	*	*	*
DECEMBER	22	*	*	*
DECEMBER	23	*	*	*
DECEMBER	24	*	*	*
DECEMBER	25	*	*	*
DECEMBER	26	*	*	*
DECEMBER	27	*	*	*
DECEMBER	28	*	*	*
DECEMBER	29	*	*	*
DECEMBER	30	*	*	*
DECEMBER	31	*	*	*

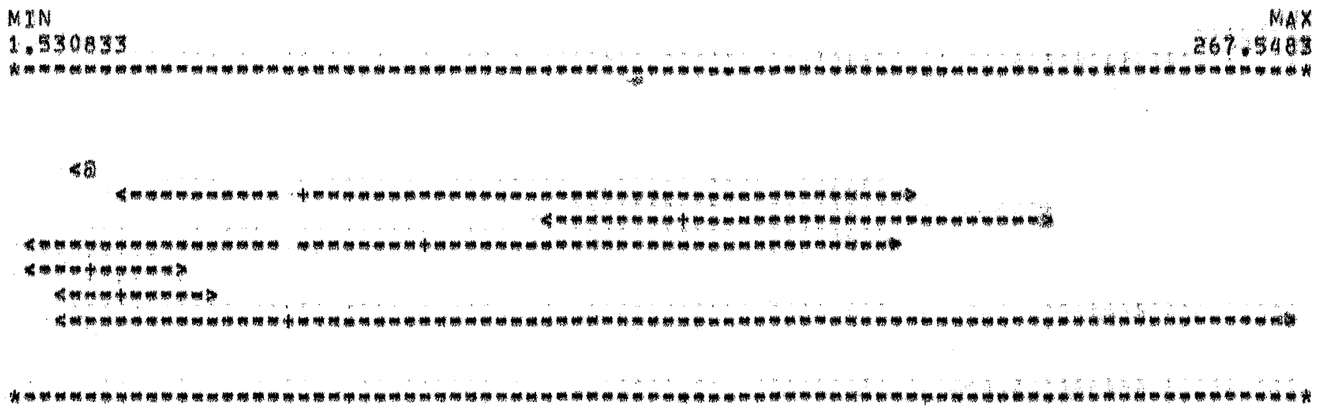
MIN 1.930833 — MAX 267.5483

KLUKWAN DATA REPORT

LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988

TIMEPLOT OF MONTHLY MEANS

MONTH	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	.	.	.
FEBRUARY	.	.	.
MARCH	.	.	.
APRIL	13.44	15.18	11.97
MAY	59.00	184.91	20.29
JUNE	138.54	214.70	107.77
JULY	84.83	180.67	1.97
AUGUST	13.64	32.04	1.53
SEPTEMBR	19.68	40.93	7.81
OCTOBER	56.08	267.55	7.87
NOVEMBER	.	.	.
DECEMBER	.	.	.

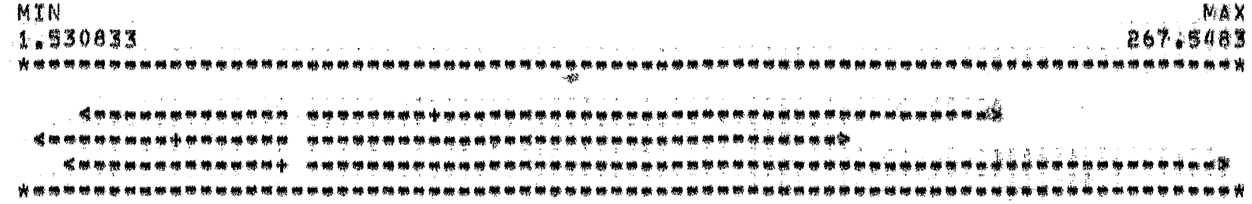


KLUKWAN DATA REPORT

LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988

TIMEPLOT OF QUARTERLY MEANS

QUARTER	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FIRST_QUARTER	.	.	.
SECOND_QUARTER	87.41	214.70	11.97
THIRD_QUARTER	30.36	180.67	1.53
FOURTH_QUARTER	56.08	267.55	7.87



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:26 THURSDAY, MARCH 8, 1990 30
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

MONTH	0 1.0 CFS	1.0 1.5 CFS	1.5 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 4.0 CFS	4.0 5.0 CFS	5.0 6.0 CFS	6.0 8.0 CFS	8.0 10. CFS	10. 15.0 CFS	15.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 40.0 CFS	40.0 50.0 CFS	50.0 60.0 CFS	60.0 80.0 CFS	80.0 100. CFS	100. 150. CFS	150. 200. CFS	200. 250. CFS	% 250. CFS	NUM OBS
JANUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEBRUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APRIL	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
MAY	0	0	0	0	0	0	0	0	0	0	0	0	4	11	9	9	2	9	4	6	3	0	0	57
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	7	2	0	36
JULY	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	2	2	4	3	4	4	0	0	23
AUGUST	0	0	3	2	3	0	3	2	2	2	4	10	10	0	2	0	0	0	0	0	0	0	0	43
SEPTEMBR	0	0	0	0	0	0	0	0	1	11	8	8	3	9	9	1	0	0	0	0	0	0	0	50
OCTOBER	0	0	0	0	0	0	0	0	1	1	8	3	5	2	3	3	1	3	2	3	0	2	1	38
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	4	2	3	1	3	2	4	14	23	22	22	22	24	15	5	16	9	40	14	4	1	250
PERCENT	0	0	2	1	1	0	1	1	2	6	9	9	9	9	10	6	2	6	4	16	6	2	0	0
CUMULATE	102	102	102	100	99	98	98	97	96	94	88	79	70	61	52	42	36	34	28	24	8	2	0	100

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

MONTH	0 1 CFS	1 2 CFS	2 3 CFS	3 4 CFS	4 5 CFS	5 6 CFS	6 7 CFS	7 8 CFS	8 9 CFS	9 10 CFS	10 20 CFS	20 30 CFS	30 40 CFS	40 50 CFS	50 60 CFS	60 70 CFS	70 80 CFS	80 90 CFS	90 100 CFS	100 200 CFS	200 300 CFS	300 400 CFS	> 400 CFS	NUM OBS
JANUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEBRUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APRIL	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
MAY	0	0	0	0	0	0	0	0	0	0	0	15	9	9	2	7	2	3	1	9	0	0	0	57
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	2	0	0	36
JULY	0	1	0	1	0	0	0	0	0	0	1	0	1	2	2	3	1	1	2	8	0	0	0	23
AUGUST	0	3	5	0	3	2	1	1	1	1	14	10	2	0	0	0	0	0	0	0	0	0	0	43
SEPTEMBR	0	0	0	0	0	0	0	1	6	5	16	12	9	1	0	0	0	0	0	0	0	0	0	50
OCTOBER	0	0	0	0	0	0	0	1	0	1	11	7	3	3	1	2	1	0	2	3	3	0	0	38
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	4	5	1	3	2	1	3	7	7	45	44	24	15	5	12	4	4	5	54	5	0	0	250
PERCENT	0	2	2	0	1	1	0	1	3	3	18	18	10	6	2	5	2	2	2	22	2	0	0	0
CUMULATE	102	102	100	98	98	97	96	96	95	92	89	71	53	43	37	35	30	28	26	24	2	0	0	100

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

YEAR=86

MONTH	0 1.0 CFS	1.0 1.5 CFS	1.5 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 4.0 CFS	4.0 5.0 CFS	5.0 6.0 CFS	6.0 8.0 CFS	8.0 10. CFS	10. 15.0 CFS	15.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 40.0 CFS	40.0 50.0 CFS	50.0 60.0 CFS	60.0 80.0 CFS	80.0 100. CFS	100. 150. CFS	150. 200. CFS	200. 250. CFS	* 250. CFS	NUM OBS
JANUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEBRUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APRIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	0	0	0	0	0	0	3	9	6	2	0	3	0	2	1	0	0	26
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	6
JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUGUST	0	0	0	0	0	0	0	0	0	0	0	3	7	0	2	0	0	0	0	0	0	0	0	12
SEPTEMBR	0	0	0	0	0	0	0	0	1	11	8	8	2	0	0	0	0	0	0	0	0	0	0	30
OCTOBER	0	0	0	0	0	0	0	0	1	1	8	3	5	2	3	2	1	2	1	1	0	0	0	30
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	2	12	16	14	17	11	11	4	1	5	1	6	3	1	0	104
PERCENT	0	0	0	0	0	0	0	0	2	12	15	13	16	11	11	4	1	5	1	6	3	1	0	0
CUMULATE	101	101	101	101	101	101	101	101	101	99	87	72	59	43	32	21	17	16	11	10	4	1	0	100

YEAR=87

MONTH	0 1.0 CFS	1.0 1.5 CFS	1.5 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 4.0 CFS	4.0 5.0 CFS	5.0 6.0 CFS	6.0 8.0 CFS	8.0 10. CFS	10. 15.0 CFS	15.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 40.0 CFS	40.0 50.0 CFS	50.0 60.0 CFS	60.0 80.0 CFS	80.0 100. CFS	100. 150. CFS	150. 200. CFS	200. 250. CFS	* 250. CFS	NUM OBS
JANUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEBRUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APRIL	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
MAY	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	2	6	4	4	2	0	0	31
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	5	1	0	30
JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	4	4	0	0	18
AUGUST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEPTEMBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCTOBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	0	2	1	8
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	2	1	1	2	3	10	4	10	8	34	11	3	1	90
PERCENT	0	0	0	0	0	0	0	0	0	0	2	1	1	2	3	11	4	11	9	38	12	3	1	0
CUMULATE	98	98	98	98	98	98	98	98	98	98	98	96	95	94	92	89	78	74	63	54	16	4	1	100

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

YEAR=88

MONTH	0 1.0 CFS	1.0 1.5 CFS	1.5 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 4.0 CFS	4.0 5.0 CFS	5.0 6.0 CFS	6.0 8.0 CFS	8.0 10. CFS	10. 15.0 CFS	15.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 40.0 CFS	40.0 50.0 CFS	50.0 60.0 CFS	60.0 80.0 CFS	80.0 100. CFS	100. 150. CFS	150. 200. CFS	200. 250. CFS	> 250. CFS	NUM OBS
JANUARY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
FEBRUARY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
MARCH	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
APRIL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
MAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	31
JUNE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	30
JULY	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	5
AUGUST	0	0	3	2	3	0	3	2	2	2	4	7	3	0	0	0	0	0	0	0	0	0	0	31
SEPTEMBR	0	0	0	0	0	0	0	0	0	0	0	0	1	9	9	1	0	0	0	0	0	0	0	20
OCTOBER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8
NOVEMBER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
DECEMBER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
TOTAL	0	0	4	2	3	1	3	2	2	2	5	7	4	9	10	1	0	1	0	0	0	0	0	128
PERCENT	0	0	7	4	5	2	5	4	4	4	9	13	7	16	18	2	0	2	0	0	0	0	0	0
CUMULATE	102	102	102	95	91	86	84	79	75	71	67	58	45	38	22	4	2	2	0	0	0	0	0	100

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY DISCHARGE DURATION TABLE - ARITHMETIC

YEAR=86

MONTH	0-1 CFS	1-2 CFS	2-3 CFS	3-4 CFS	4-5 CFS	5-6 CFS	6-7 CFS	7-8 CFS	8-9 CFS	9-10 CFS	10-20 CFS	20-30 CFS	30-40 CFS	40-50 CFS	50-60 CFS	60-70 CFS	70-80 CFS	80-90 CFS	90-100 CFS	100-200 CFS	200-300 CFS	300-400 CFS	>400 CFS	NUM OBS
JANUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
FEBRUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
MARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
APRIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
MAY	0	0	0	0	0	0	0	0	0	0	0	12	6	2	0	2	1	0	0	3	0	0	0	.
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	.
JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
AUGUST	0	0	0	0	0	0	0	0	0	0	3	7	2	0	0	0	0	0	0	0	0	0	0	.
SEPTEMBR	0	0	0	0	0	0	0	1	6	5	16	2	0	0	0	0	0	0	0	0	0	0	0	.
OCTOBER	0	0	0	0	0	0	0	1	0	1	11	7	3	2	1	2	0	0	1	1	0	0	0	.
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
TOTAL	0	0	0	0	0	0	0	2	6	6	30	28	11	4	1	4	1	0	1	9	1	0	0	.
PERCENT	0	0	0	0	0	0	0	2	6	6	29	27	11	4	1	4	1	0	1	9	1	0	0	0
CUMULATE	102	102	102	102	102	102	102	102	100	94	88	59	32	21	17	16	12	11	11	10	1	0	0	100

YEAR=87

MONTH	0-1 CFS	1-2 CFS	2-3 CFS	3-4 CFS	4-5 CFS	5-6 CFS	6-7 CFS	7-8 CFS	8-9 CFS	9-10 CFS	10-20 CFS	20-30 CFS	30-40 CFS	40-50 CFS	50-60 CFS	60-70 CFS	70-80 CFS	80-90 CFS	90-100 CFS	100-200 CFS	200-300 CFS	300-400 CFS	>400 CFS	NUM OBS
JANUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
FEBRUARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
MARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
APRIL	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	.
MAY	0	0	0	0	0	0	0	0	0	0	0	3	3	7	2	5	1	3	1	6	0	0	0	.
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	1	0	0	.
JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	2	8	0	0	0	.
AUGUST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
SEPTEMBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
OCTOBER	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	3	0	0	.
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
TOTAL	0	0	0	0	0	0	0	0	0	0	3	3	3	10	4	7	3	4	4	45	4	0	0	.
PERCENT	0	0	0	0	0	0	0	0	0	0	3	3	3	11	4	8	3	4	4	50	4	0	0	0
CUMULATE	97	97	97	97	97	97	97	97	97	97	97	94	91	88	77	73	65	62	58	54	4	0	0	100

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY DISCHARGE DURATION TABLE - ARITHMETIC

YEAR-88

MONTH	0 1 CFS	1 2 CFS	2 3 CFS	3 4 CFS	4 5 CFS	5 6 CFS	6 7 CFS	7 8 CFS	8 9 CFS	9 10 CFS	10 20 CFS	20 30 CFS	30 40 CFS	40 50 CFS	50 60 CFS	60 70 CFS	70 80 CFS	80 90 CFS	90 100 CFS	100 200 CFS	200 300 CFS	300 400 CFS	400 * CFS	NUM OBS
JANUARY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
FEBRUARY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
MARCH	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
APRIL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
MAY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	31
JUNE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	30
JULY	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	5
AUGUST	0	3	5	0	3	2	1	1	1	1	11	3	0	0	0	0	0	0	0	0	0	0	0	31
SEPTEMBR	0	0	0	0	0	0	0	0	0	0	0	10	9	1	0	0	0	0	0	0	0	0	0	20
OCTOBER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8
NOVEMBER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
DECEMBER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0
TOTAL	0	4	5	1	3	2	1	1	1	1	12	13	10	1	0	1	0	0	0	0	0	0	0	128
PERCENT	0	7	9	2	5	4	2	2	2	2	21	23	18	2	0	2	0	0	0	0	0	0	0	0
CUMULATE	101	101	94	85	83	78	74	72	70	68	66	45	22	4	2	2	0	0	0	0	0	0	0	100

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JANUARY

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.
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12	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.
MO							0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=FEBRUARY

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*
------							*
MO							0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MARCH

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24) AVG POWER
1	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.
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14	.	.	.	.	.	.	.
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16	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.
******							**
MO							0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=APRIL

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.
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9	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.
28	13.2	13.2	13.2	664	664	664	15942
29	12.0	12.0	12.0	603	603	603	14484
30	15.2	15.2	15.2	766	766	766	18374
MO							48800

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:40 THURSDAY, MARCH 8, 1990 40
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MAY

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	20.3	20.3	20.3	1023	1023	1023	24554
2	26.3	26.3	26.3	1326	1326	1326	31835
3	27.9	27.9	27.9	1405	1405	1405	33710
4	31.7	31.7	31.7	1600	1600	1600	38395
5	36.5	36.5	36.5	1840	1840	1840	44170
6	33.3	27.7	38.9	1679	1396	1961	40287
7	34.2	27.1	41.4	1727	1368	2086	41444
8	35.7	27.9	43.5	1799	1406	2192	43176
9	36.2	28.3	44.2	1828	1426	2230	43865
10	34.9	26.1	43.6	1758	1316	2199	42184
11	32.1	21.4	42.7	1616	1078	2154	38788
12	34.2	23.4	45.0	1726	1182	2270	41431
13	36.5	24.9	48.2	1843	1255	2430	44222
14	38.8	26.5	51.1	1957	1338	2576	46970
15	41.1	27.1	55.0	2071	1367	2775	49710
16	45.0	29.2	60.8	2269	1472	3065	54449
17	48.9	33.6	64.2	2467	1695	3238	59200
18	47.5	30.8	64.3	2397	1552	3242	57523
19	46.9	28.9	64.9	2366	1457	3274	56772
20	49.7	32.1	67.2	2505	1619	3391	60114
21	53.2	32.9	73.5	2681	1658	3705	64354
22	58.1	34.9	81.2	2928	1759	4096	70270
23	56.8	32.9	80.6	2863	1660	4066	68713
24	61.9	41.0	82.7	3119	2067	4171	74851
25	68.6	40.1	97.0	3457	2023	4892	82980
26	83.8	62.3	105.3	4226	3142	5309	101417
27	86.5	64.7	108.3	4363	3264	5462	104709
28	97.7	74.7	120.7	4927	3769	6085	118241
29	127.5	110.3	144.7	6428	5559	7298	154283
30	159.3	133.6	184.9	8031	6738	9324	192735
31	161.9	160.3	163.5	8163	8083	8243	195918
MO							2121267

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JUNE

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	151.6	147.6	155.7	7645	7441	7849	183475
2	128.1	115.1	141.2	6461	5803	7119	155061
3	134.7	129.7	139.6	6792	6542	7041	162996
4	127.2	119.6	134.9	6415	6030	6800	153957
5	148.9	120.7	177.1	7508	6087	8930	180196
6	168.6	122.4	214.7	8499	6173	10826	203979
7	117.5	117.5	117.5	5925	5925	5925	142198
8	126.6	126.6	126.6	6386	6386	6386	153255
9	136.7	136.7	136.7	6892	6892	6892	165410
10	131.3	131.3	131.3	6623	6623	6623	158949
11	131.2	131.2	131.2	6617	6617	6617	158807
12	135.9	135.9	135.9	6852	6852	6852	164451
13	128.5	128.5	128.5	6482	6482	6482	155566
14	126.4	126.4	126.4	6375	6375	6375	153009
15	124.7	124.7	124.7	6290	6290	6290	150954
16	117.7	117.7	117.7	5933	5933	5933	142394
17	122.6	122.6	122.6	6180	6180	6180	148331
18	152.8	152.8	152.8	7705	7705	7705	184908
19	147.4	147.4	147.4	7432	7432	7432	178361
20	154.1	154.1	154.1	7771	7771	7771	186508
21	199.3	199.3	199.3	10047	10047	10047	241138
22	201.0	201.0	201.0	10133	10133	10133	243188
23	157.0	157.0	157.0	7914	7914	7914	189943
24	131.2	131.2	131.2	6614	6614	6614	158727
25	115.4	115.4	115.4	5820	5820	5820	139671
26	110.5	110.5	110.5	5573	5573	5573	133754
27	107.8	107.8	107.8	5434	5434	5434	130425
28	110.4	110.4	110.4	5568	5568	5568	133628
29	123.0	123.0	123.0	6203	6203	6203	148882
30	160.3	160.3	160.3	8083	8083	8083	193986
MO							4996109

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JULY

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	177.3	177.3	177.3	8942	8942	8942	214614
2	180.7	180.7	180.7	9110	9110	9110	218640
3	153.1	153.1	153.1	7718	7718	7718	185237
4	150.9	150.9	150.9	7608	7608	7608	182583
5	149.7	149.7	149.7	7547	7547	7547	181120
6	134.3	134.3	134.3	6769	6769	6769	162465
7	115.0	115.0	115.0	5801	5801	5801	139220
8	108.3	108.3	108.3	5460	5460	5460	131043
9	98.4	98.4	98.4	4962	4962	4962	119099
10	90.9	90.9	90.9	4581	4581	4581	109946
11	80.9	80.9	80.9	4078	4078	4078	97879
12	71.8	71.8	71.8	3622	3622	3622	86921
13	68.8	68.8	68.8	3467	3467	3467	83209
14	62.8	62.8	62.8	3165	3165	3165	75950
15	52.6	52.6	52.6	2650	2650	2650	63597
16	50.1	50.1	50.1	2524	2524	2524	60585
17	49.6	49.6	49.6	2499	2499	2499	59986
18	46.6	46.6	46.6	2350	2350	2350	56398
19	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.
27	61.1	61.1	61.1	3082	3082	3082	73963
28	32.4	32.4	32.4	1635	1635	1635	39250
29	10.5	10.5	10.5	532	532	532	12760
30	3.5	3.5	3.5	174	174	174	4187
31	2.0	2.0	2.0	99	99	99	2385
MO							2361038

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=AUGUST

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS @24)AVG POWER
1	1.5	1.5	1.5	77	77	77	1853
2	2.0	2.0	2.0	99	99	99	2365
3	2.0	2.0	2.0	100	100	100	2404
4	2.1	2.1	2.1	107	107	107	2570
5	2.1	2.1	2.1	106	106	106	2534
6	2.7	2.7	2.7	137	137	137	3283
7	2.7	2.7	2.7	139	139	139	3328
8	2.6	2.6	2.6	132	132	132	3157
9	4.2	4.2	4.2	212	212	212	5093
10	4.6	4.6	4.6	230	230	230	5516
11	4.5	4.5	4.5	228	228	228	5470
12	5.1	5.1	5.1	256	256	256	6149
13	5.4	5.4	5.4	272	272	272	6537
14	6.9	6.9	6.9	346	346	346	8305
15	7.9	7.9	7.9	398	398	398	9540
16	8.6	8.6	8.6	432	432	432	10357
17	9.1	9.1	9.1	456	456	456	10953
18	11.5	11.5	11.5	578	578	578	13877
19	13.1	13.1	13.1	663	663	663	15901
20	18.8	14.5	23.2	950	731	1170	22807
21	17.8	12.3	23.2	896	622	1170	21506
22	19.4	16.9	21.8	976	852	1099	23421
23	19.5	17.8	21.3	986	898	1074	23656
24	18.7	18.2	19.2	941	916	967	22592
25	16.9	15.3	18.5	854	773	934	20485
26	18.1	17.0	19.2	912	857	967	21878
27	20.2	18.1	22.2	1017	914	1120	24410
28	23.7	15.4	32.0	1197	778	1616	28724
29	26.0	21.7	30.2	1309	1096	1523	31423
30	23.3	22.3	24.2	1173	1127	1219	28144
31	21.7	20.9	22.5	1093	1053	1134	26237
MO							414473

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & R=QHE/11.8

MONTH=SEPTEMBR

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	25.6	22.5	28.7	1291	1134	1448	30981
2	24.1	21.1	27.0	1214	1065	1362	29133
3	20.5	19.2	21.9	1035	967	1103	24836
4	21.8	18.5	25.1	1099	934	1264	26383
5	21.9	18.3	25.5	1105	924	1285	26518
6	22.5	18.3	26.7	1136	924	1347	27256
7	22.4	17.1	27.7	1130	864	1395	27110
8	21.4	16.1	26.6	1078	814	1342	25873
9	23.3	16.0	30.6	1175	807	1542	28195
10	20.0	14.5	25.4	1006	731	1281	24145
11	21.8	13.3	30.2	1098	673	1524	26358
12	23.2	13.1	33.3	1170	660	1681	28091
13	22.3	11.8	32.7	1122	597	1648	26937
14	21.9	11.1	32.8	1106	557	1655	26542
15	24.0	10.7	37.3	1212	541	1883	29083
16	25.3	9.8	40.9	1278	492	2064	30666
17	20.5	9.8	31.2	1033	492	1574	24784
18	17.4	8.9	25.8	876	451	1302	21035
19	20.8	8.5	33.0	1046	431	1662	25112
20	20.9	8.5	33.2	1052	431	1673	25243
21	8.9	8.9	8.9	451	451	451	10823
22	10.4	10.4	10.4	525	525	525	12601
23	16.1	16.1	16.1	814	814	814	19525
24	12.0	12.0	12.0	604	604	604	14487
25	9.9	9.9	9.9	497	497	497	11930
26	9.8	9.8	9.8	492	492	492	11799
27	9.0	9.0	9.0	456	456	456	10945
28	8.5	8.5	8.5	431	431	431	10335
29	8.5	8.5	8.5	431	431	431	10335
30	7.8	7.8	7.8	394	394	394	9451
MO							656512

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & R=QHE/11.8

MONTH=OCTOBER

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	116.0	7.9	224.1	5849	397	11301	140372
2	121.6	9.1	234.1	6133	461	11804	147181
3	139.6	11.6	267.5	7037	584	13491	168894
4	74.0	14.0	134.0	3731	706	6755	89537
5	66.4	14.9	117.9	3349	752	5946	80381
6	57.7	16.1	99.3	2911	814	5009	69876
7	44.3	14.5	74.1	2233	731	3736	53603
8	31.4	15.7	47.0	1582	794	2370	37963
9	14.9	14.9	14.9	752	752	752	18047
10	13.7	13.7	13.7	692	692	692	16610
11	12.9	12.9	12.9	653	653	653	15672
12	13.1	13.1	13.1	660	660	660	15828
13	15.8	15.8	15.8	799	799	799	19175
14	30.3	30.3	30.3	1527	1527	1527	36659
15	26.0	26.0	26.0	1308	1308	1308	31404
16	24.6	24.6	24.6	1243	1243	1243	29828
17	23.0	23.0	23.0	1158	1158	1158	27786
18	21.6	21.6	21.6	1091	1091	1091	26181
19	23.0	23.0	23.0	1158	1158	1158	27788
20	22.5	22.5	22.5	1134	1134	1134	27205
21	29.5	29.5	29.5	1485	1485	1485	35652
22	60.1	60.1	60.1	3030	3030	3030	72717
23	125.5	125.5	125.5	6328	6328	6328	151866
24	92.1	92.1	92.1	4644	4644	4644	111457
25	69.0	69.0	69.0	3480	3480	3480	83514
26	55.5	55.5	55.5	2797	2797	2797	67116
27	47.0	47.0	47.0	2369	2369	2369	56860
28	40.3	40.3	40.3	2031	2031	2031	48755
29	35.6	35.6	35.6	1796	1796	1796	43112
30	33.2	33.2	33.2	1673	1673	1673	40162
31	.	.	.	.	.	.	.
MO							1791199

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=NOVEMBER

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24) AVG POWER
1	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.
MO							0

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY SUMMARY
H=700FT,E=85%,G=FLOW & P=QHE/11.8

MONTH=DECEMBER

DAY	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (24)AVG POWER
1	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.
MO							0
							12389398

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:40 THURSDAY, MARCH 8, 1990 48
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MONTHLY SUMMARY
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (8731)AVG POWER
JANUARY	.	.	.	.	.	.	.
FEBRUARY	.	.	.	.	.	.	.
MARCH	.	.	.	.	.	.	.
APRIL	13.4	12.0	15.2	678	603	766	495159
MAY	59.0	20.3	184.9	2975	1023	9324	2173454
JUNE	138.5	107.8	214.7	6986	5434	10826	5103582
JULY	84.8	2.0	180.7	4277	99	9110	3124782
AUGUST	13.6	1.5	32.0	688	77	1616	502441
SEPTEMBR	19.7	7.8	40.9	992	394	2064	724955
OCTOBER	56.1	7.9	267.5	2828	397	13491	2065918
NOVEMBER	.	.	.	.	.	.	.
DECEMBER	.	.	.	.	.	.	.
							14190292

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
QUARTERLY SUMMARY
H=700FT,E=85%,Q=FLOW & R=QHE/11.8

QUARTER	MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (2191)AVG POWER
FIRST_QUARTER	.	.	.	.	.	.	.
SECOND_QUARTER	87.4	12.0	214.7	4407	603	10826	9658622
THIRD_QUARTER	30.4	1.5	180.7	1531	77	9110	3354623
FOURTH_QUARTER	56.1	7.9	267.5	2828	397	13491	6197245
							========
							19210489

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KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
OVERALL SUMMARY

MEAN FLOW (CFS)	MINIMUM FLOW (CFS)	MAXIMUM FLOW (CFS)	AVG POWER (KW)	MIN POWER (KW)	MAX POWER (KW)	AVG ENERGY KW-HRS (8766*AVG POWER
56.2	1.5	267.5	2833	77	13491	24829748
						========
						24829748

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JANUARY

MONTH	DAY	AVG POWER* (KW)
JANUARY	1	.
JANUARY	2	.
JANUARY	3	.
JANUARY	4	.
JANUARY	5	.
JANUARY	6	.
JANUARY	7	.
JANUARY	8	.
JANUARY	9	.
JANUARY	10	.
JANUARY	11	.
JANUARY	12	.
JANUARY	13	.
JANUARY	14	.
JANUARY	15	.
JANUARY	16	.
JANUARY	17	.
JANUARY	18	.
JANUARY	19	.
JANUARY	20	.
JANUARY	21	.
JANUARY	22	.
JANUARY	23	.
JANUARY	24	.
JANUARY	25	.
JANUARY	26	.
JANUARY	27	.
JANUARY	28	.
JANUARY	29	.
JANUARY	30	.
JANUARY	31	.

MIN	MAX
77	13491

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=FEBRUARY

MONTH	DAY	AVG POWER* (KW)
FEBRUARY	1	*
FEBRUARY	2	*
FEBRUARY	3	*
FEBRUARY	4	*
FEBRUARY	5	*
FEBRUARY	6	*
FEBRUARY	7	*
FEBRUARY	8	*
FEBRUARY	9	*
FEBRUARY	10	*
FEBRUARY	11	*
FEBRUARY	12	*
FEBRUARY	13	*
FEBRUARY	14	*
FEBRUARY	15	*
FEBRUARY	16	*
FEBRUARY	17	*
FEBRUARY	18	*
FEBRUARY	19	*
FEBRUARY	20	*
FEBRUARY	21	*
FEBRUARY	22	*
FEBRUARY	23	*
FEBRUARY	24	*
FEBRUARY	25	*
FEBRUARY	26	*
FEBRUARY	27	*
FEBRUARY	28	*

MIN 77 MAX 13491

KLUKWAN DATA REPORT

LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988

DAILY MIN,MAX AND MEAN POWER (KW)

H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MARCH

MONTH	DAY	AVG POWER* (KW)
MARCH	1	*
MARCH	2	*
MARCH	3	*
MARCH	4	*
MARCH	5	*
MARCH	6	*
MARCH	7	*
MARCH	8	*
MARCH	9	*
MARCH	10	*
MARCH	11	*
MARCH	12	*
MARCH	13	*
MARCH	14	*
MARCH	15	*
MARCH	16	*
MARCH	17	*
MARCH	18	*
MARCH	19	*
MARCH	20	*
MARCH	21	*
MARCH	22	*
MARCH	23	*
MARCH	24	*
MARCH	25	*
MARCH	26	*
MARCH	27	*
MARCH	28	*
MARCH	29	*
MARCH	30	*
MARCH	31	*

MIN 77

MAX 13491

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=APRIL

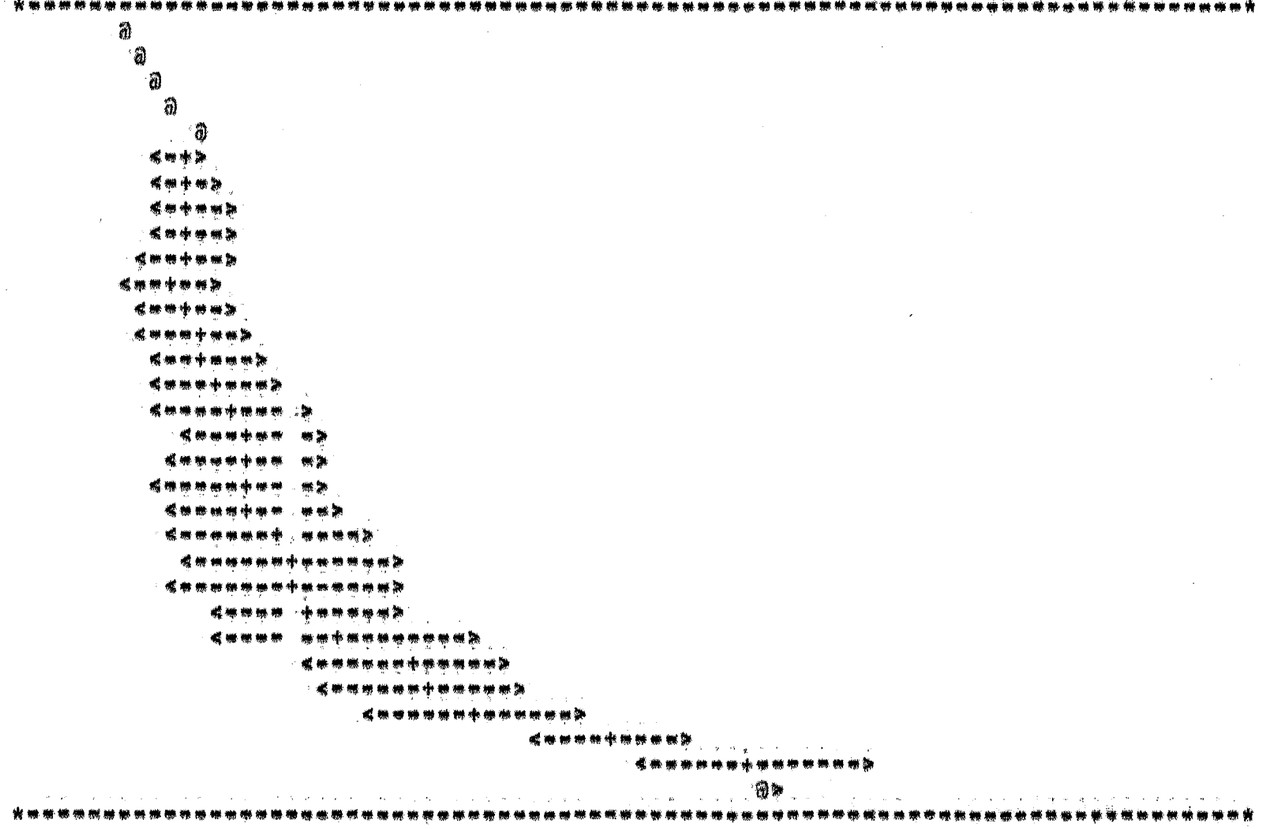
MONTH	DAY	AVG POWER* (KW)
APRIL	1	.
APRIL	2	.
APRIL	3	.
APRIL	4	.
APRIL	5	.
APRIL	6	.
APRIL	7	.
APRIL	8	.
APRIL	9	.
APRIL	10	.
APRIL	11	.
APRIL	12	.
APRIL	13	.
APRIL	14	.
APRIL	15	.
APRIL	16	.
APRIL	17	.
APRIL	18	.
APRIL	19	.
APRIL	20	.
APRIL	21	.
APRIL	22	.
APRIL	23	.
APRIL	24	.
APRIL	25	.
APRIL	26	.
APRIL	27	.
APRIL	28	664
APRIL	29	603
APRIL	30	766

MIN 77 — MAX 13491

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MAY

MONTH	DAY	AVG POWER* (KW)
MAY	1	1023
MAY	2	1326
MAY	3	1405
MAY	4	1600
MAY	5	1840
MAY	6	1679
MAY	7	1727
MAY	8	1799
MAY	9	1828
MAY	10	1758
MAY	11	1616
MAY	12	1726
MAY	13	1843
MAY	14	1957
MAY	15	2071
MAY	16	2269
MAY	17	2467
MAY	18	2397
MAY	19	2366
MAY	20	2505
MAY	21	2681
MAY	22	2928
MAY	23	2863
MAY	24	3119
MAY	25	3457
MAY	26	4226
MAY	27	4363
MAY	28	4927
MAY	29	6428
MAY	30	8031
MAY	31	8163



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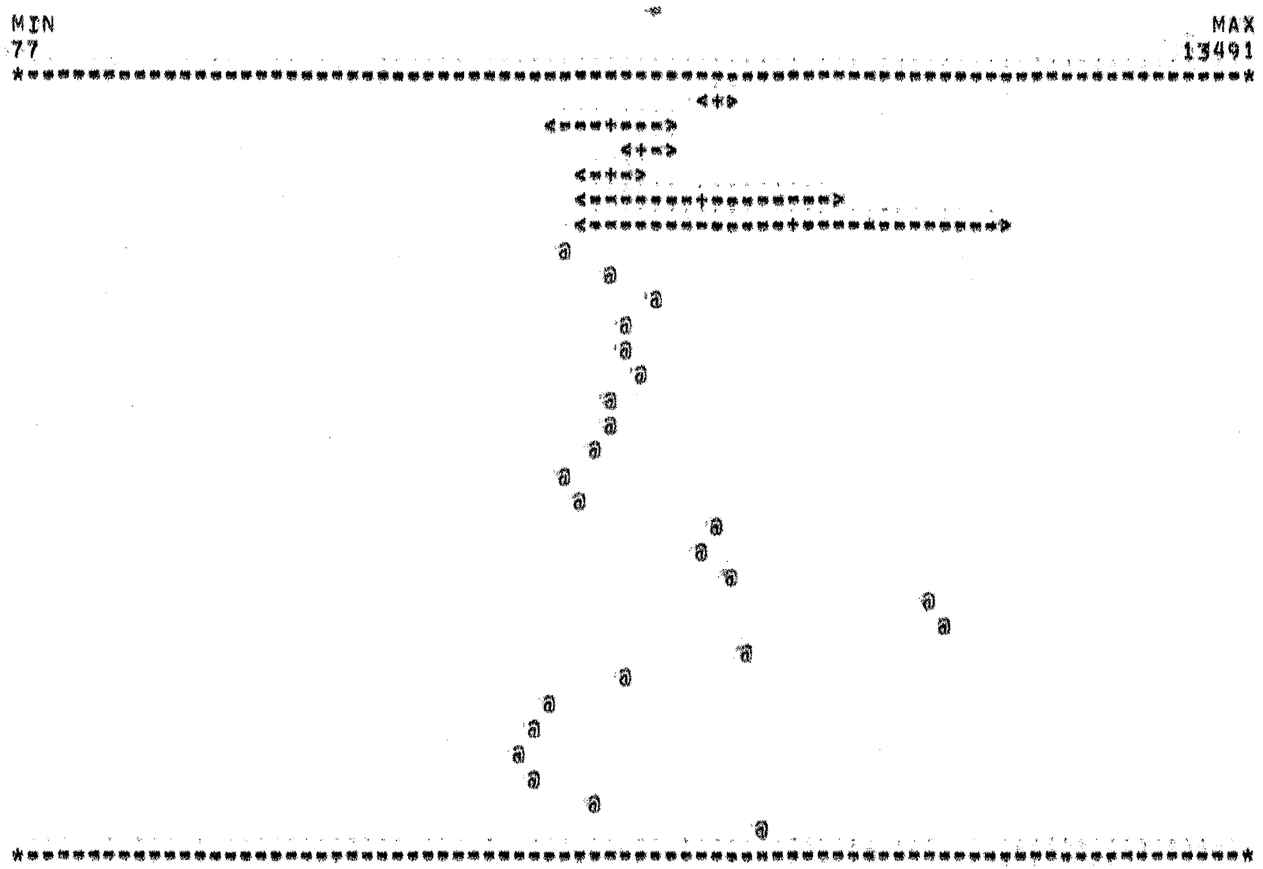
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JUNE

MONTH	DAY	AVG POWER* (KW)
JUNE	1	7645
JUNE	2	6461
JUNE	3	6792
JUNE	4	6415
JUNE	5	7508
JUNE	6	8499
JUNE	7	5925
JUNE	8	6386
JUNE	9	6892
JUNE	10	6623
JUNE	11	6617
JUNE	12	6852
JUNE	13	6482
JUNE	14	6375
JUNE	15	6290
JUNE	16	5933
JUNE	17	6180
JUNE	18	7705
JUNE	19	7432
JUNE	20	7771
JUNE	21	10047
JUNE	22	10133
JUNE	23	7914
JUNE	24	6614
JUNE	25	5820
JUNE	26	5573
JUNE	27	5434
JUNE	28	5568
JUNE	29	6203
JUNE	30	8083



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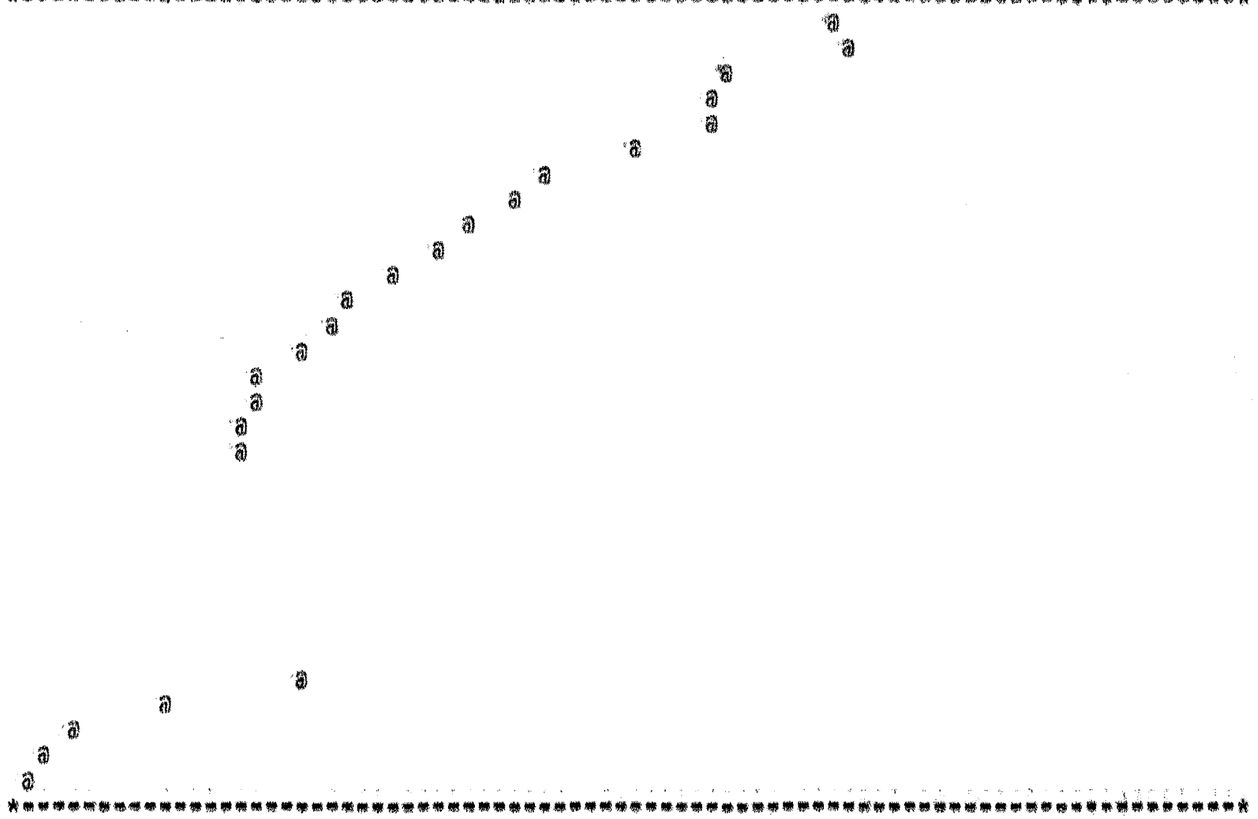
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JULY

MONTH	DAY	AVG POWER* (KW)
JULY	1	8942
JULY	2	9110
JULY	3	7718
JULY	4	7608
JULY	5	7547
JULY	6	6769
JULY	7	5801
JULY	8	5460
JULY	9	4962
JULY	10	4581
JULY	11	4078
JULY	12	3622
JULY	13	3467
JULY	14	3165
JULY	15	2650
JULY	16	2524
JULY	17	2499
JULY	18	2350
JULY	19	.
JULY	20	.
JULY	21	.
JULY	22	.
JULY	23	.
JULY	24	.
JULY	25	.
JULY	26	.
JULY	27	3082
JULY	28	1635
JULY	29	532
JULY	30	174
JULY	31	99



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KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=AUGUST

MONTH	DAY	AVG POWER* (KW)
AUGUST	1	77
AUGUST	2	99
AUGUST	3	100
AUGUST	4	107
AUGUST	5	106
AUGUST	6	137
AUGUST	7	139
AUGUST	8	132
AUGUST	9	212
AUGUST	10	230
AUGUST	11	228
AUGUST	12	256
AUGUST	13	272
AUGUST	14	346
AUGUST	15	398
AUGUST	16	432
AUGUST	17	456
AUGUST	18	578
AUGUST	19	663
AUGUST	20	950
AUGUST	21	896
AUGUST	22	976
AUGUST	23	986
AUGUST	24	941
AUGUST	25	854
AUGUST	26	912
AUGUST	27	1017
AUGUST	28	1197
AUGUST	29	1309
AUGUST	30	1173
AUGUST	31	1093

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KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

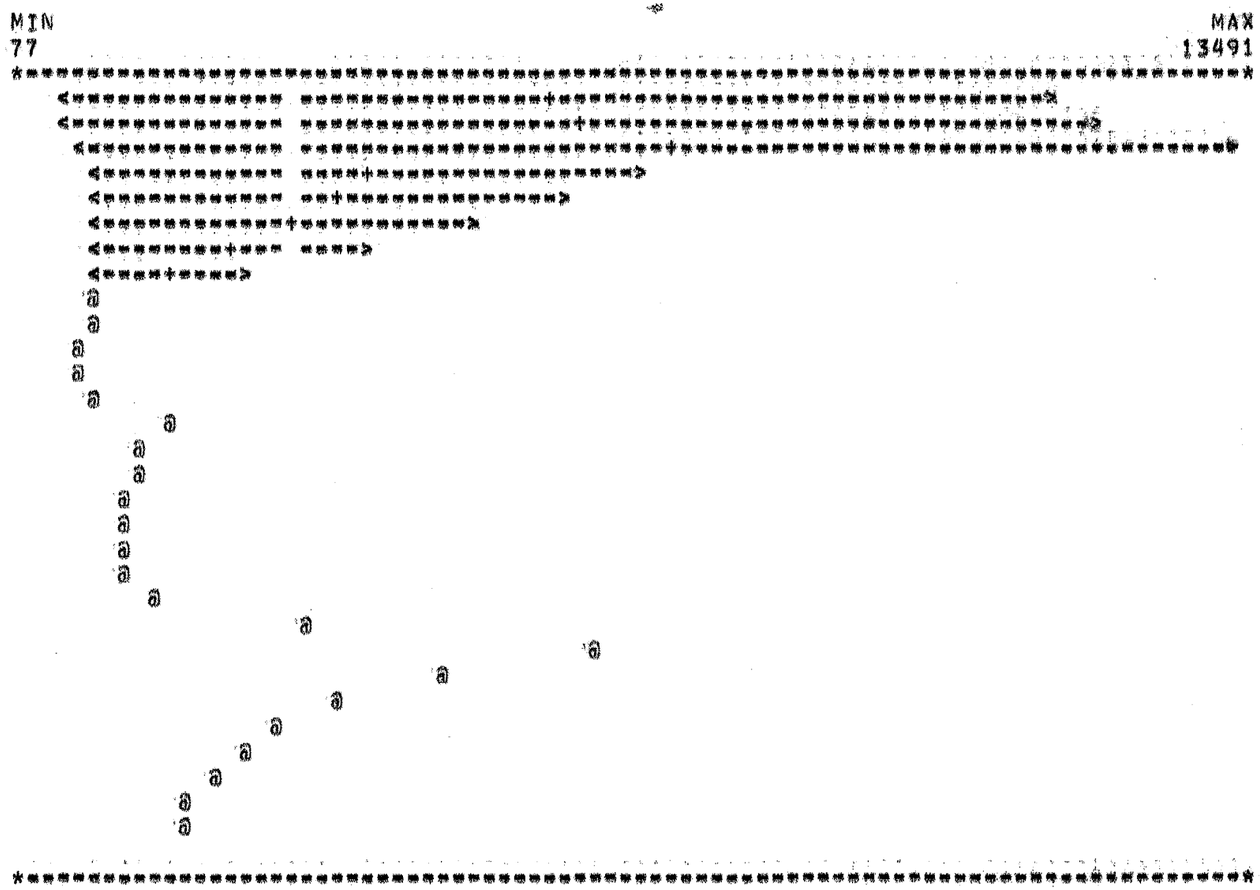
MONTH=SEPTEMBR

MONTH	DAY	AVG POWER* (KW)	MIN 77 MAX 13491
SEPTEMBR	1	1291	<+>
SEPTEMBR	2	1214	<+>
SEPTEMBR	3	1035	<@
SEPTEMBR	4	1099	<+>
SEPTEMBR	5	1105	<+>
SEPTEMBR	6	1136	<+=>
SEPTEMBR	7	1130	<+=>
SEPTEMBR	8	1078	<=+=>
SEPTEMBR	9	1175	<==+=>
SEPTEMBR	10	1006	<=+>
SEPTEMBR	11	1098	<=+=>
SEPTEMBR	12	1170	<==+=>
SEPTEMBR	13	1122	<==+=>
SEPTEMBR	14	1106	<==+=>
SEPTEMBR	15	1212	<===+==>
SEPTEMBR	16	1278	<====+====>
SEPTEMBR	17	1033	<==+=>
SEPTEMBR	18	876	<==+>
SEPTEMBR	19	1046	<==+=>
SEPTEMBR	20	1052	<==+==>
SEPTEMBR	21	451	@
SEPTEMBR	22	525	@
SEPTEMBR	23	814	@
SEPTEMBR	24	604	@
SEPTEMBR	25	497	@
SEPTEMBR	26	492	@
SEPTEMBR	27	456	@
SEPTEMBR	28	431	@
SEPTEMBR	29	431	@
SEPTEMBR	30	394	@

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:41 THURSDAY, MARCH 8, 1990 60
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,G=FLOW & P=GHE/11.8

MONTH=OCTOBER

MONTH	DAY	AVG POWER* (KW)
OCTOBER	1	5849
OCTOBER	2	6133
OCTOBER	3	7037
OCTOBER	4	3731
OCTOBER	5	3349
OCTOBER	6	2911
OCTOBER	7	2233
OCTOBER	8	1582
OCTOBER	9	752
OCTOBER	10	692
OCTOBER	11	653
OCTOBER	12	660
OCTOBER	13	799
OCTOBER	14	1527
OCTOBER	15	1308
OCTOBER	16	1243
OCTOBER	17	1158
OCTOBER	18	1091
OCTOBER	19	1158
OCTOBER	20	1134
OCTOBER	21	1485
OCTOBER	22	3030
OCTOBER	23	6328
OCTOBER	24	4644
OCTOBER	25	3480
OCTOBER	26	2797
OCTOBER	27	2369
OCTOBER	28	2031
OCTOBER	29	1796
OCTOBER	30	1673
OCTOBER	31	*



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=NOVEMBER

MONTH	DAY	AVG POWER* (KW)
NOVEMBER	1	*
NOVEMBER	2	*
NOVEMBER	3	*
NOVEMBER	4	*
NOVEMBER	5	*
NOVEMBER	6	*
NOVEMBER	7	*
NOVEMBER	8	*
NOVEMBER	9	*
NOVEMBER	10	*
NOVEMBER	11	*
NOVEMBER	12	*
NOVEMBER	13	*
NOVEMBER	14	*
NOVEMBER	15	*
NOVEMBER	16	*
NOVEMBER	17	*
NOVEMBER	18	*
NOVEMBER	19	*
NOVEMBER	20	*
NOVEMBER	21	*
NOVEMBER	22	*
NOVEMBER	23	*
NOVEMBER	24	*
NOVEMBER	25	*
NOVEMBER	26	*
NOVEMBER	27	*
NOVEMBER	28	*
NOVEMBER	29	*
NOVEMBER	30	*

MIN 77 MAX 13491

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

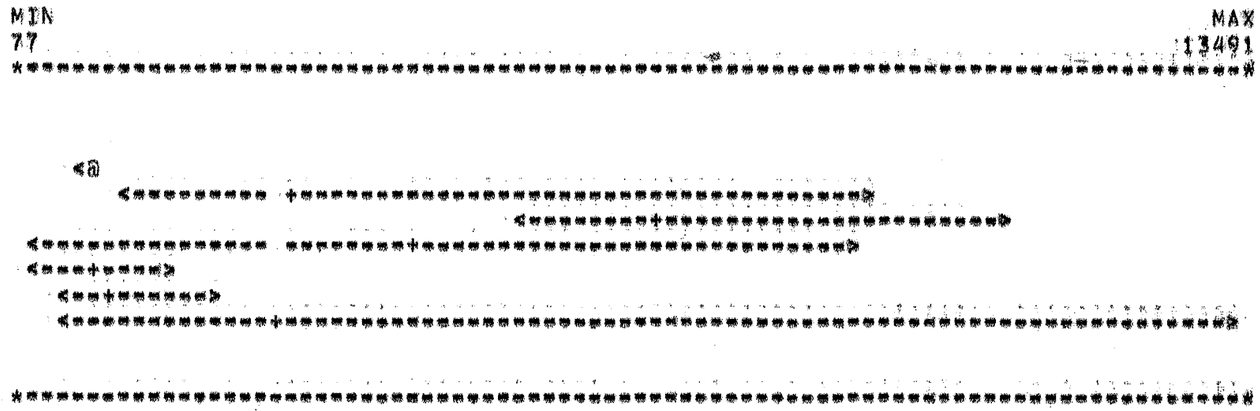
MONTH=DECEMBER

MONTH	DAY	AVG POWER* (KW)
DECEMBER	1	.
DECEMBER	2	.
DECEMBER	3	.
DECEMBER	4	.
DECEMBER	5	.
DECEMBER	6	.
DECEMBER	7	.
DECEMBER	8	.
DECEMBER	9	.
DECEMBER	10	.
DECEMBER	11	.
DECEMBER	12	.
DECEMBER	13	.
DECEMBER	14	.
DECEMBER	15	.
DECEMBER	16	.
DECEMBER	17	.
DECEMBER	18	.
DECEMBER	19	.
DECEMBER	20	.
DECEMBER	21	.
DECEMBER	22	.
DECEMBER	23	.
DECEMBER	24	.
DECEMBER	25	.
DECEMBER	26	.
DECEMBER	27	.
DECEMBER	28	.
DECEMBER	29	.
DECEMBER	30	.
DECEMBER	31	.

MIN	MAX
77	13491

KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
MONTHLY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH	AVG POWER* (KW)
JANUARY	.
FEBRUARY	.
MARCH	.
APRIL	678
MAY	2975
JUNE	6986
JULY	4277
AUGUST	688
SEPTEMBR	992
OCTOBER	2828
NOVEMBER	.
DECEMBER	.



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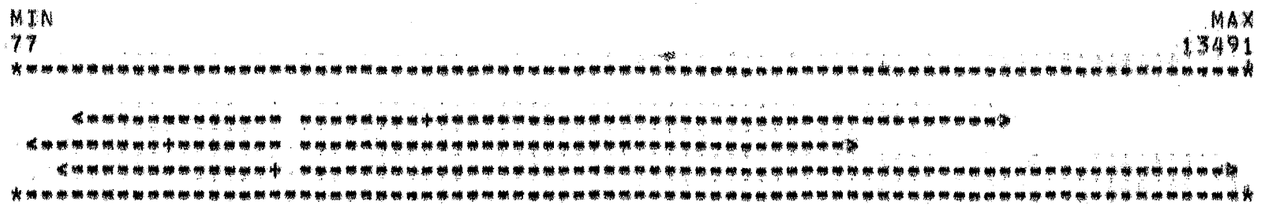
KLUKWAN DATA REPORT
LITTLE SALMON CREEK - SUMMERS, 1986 THROUGH 1988
QUARTERLY MIN,MAX AND MEAN POWER (KW)
H=700FT,E=85%,Q=FLOW & P=QHE/11.8

QUARTER	AVG POWER* (KW)
FIRST_QUARTER	.
SECOND_QUARTER	4407
THIRD_QUARTER	1531
FOURTH_QUARTER	2828