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SUMMARY OF STREAMFLOW DATA FOR THE AKUTAN AREA, UNIMAK A-6 QUADRANGLE, ALASKA: DRAFT REPORT

by

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INTRODUCTION

The City of Akutan and the Alaska Energy Authority (AEA) are evaluating two small streams that flow into Akutan Harbor as potential hydroelectric power sources for the community. In 1986, AEA contracted the Water Resources Section (WRS) of the Alaska Division of Geological and Geophysical Surveys (DGGS) to collect and summarize streamflow data for the Akutan Streams from June 1986 to October 1988.

The two locally-named streams are North Site Creek, located on the north side of the harbor 1.2 mi west of Akutan, and Loud Creek, situated on the south side of the harbor 0.75 mi south-southeast of town. A third stream, Falls Creek, was studied for three months from June 1986 to September 1986, at which time AEA decided the streamflow was inadequate for hydropower use. This report presents a summary and discussion of the streamflow data collected at Akutan for North Site Creek and Loud Creek.

BACKGROUND

Drainage basin areas for both streams and their tributaries were calculated using aerial photos, stereoscope, and a planimeter. The areas and the percentage of basin are as follows:

	Drainage basin area (sq mi)	Proportion of main basin (%)
North Site Creek	0.74	100
West Fork	0.32	43
East Fork	0.35	47
Remainder of basin	0.07	10
Loud Creek	1.05	100
West Fork	0.35	33
East Fork	0.67	64
Remainder of basin	0.03	3

The main channel of both streams is approximately 1.2 mi long with a very steep gradient of nearly 900 ft/mi. No glaciers or permanent snowfields exist in either drainage basin.

Akutan Island is steep and rugged, with numerous rock outcrops and cliffs. Akutan Peak, an active volcano 8 mi west of the village of Akutan, continues to undergo steam and ash eruptions. A thick mat of tundra-like vegetation overlies a thin layer of soil that mantles the volcanic bedrock. North Site Creek and Loud Creek flow through bedrock channels that are 3 - 10 ft wide and 0.5 - 1.0 ft deep. The streams generaly flow clear, even during rainy weather, and sediment load is minor except during heavy rains.

CLIMATE

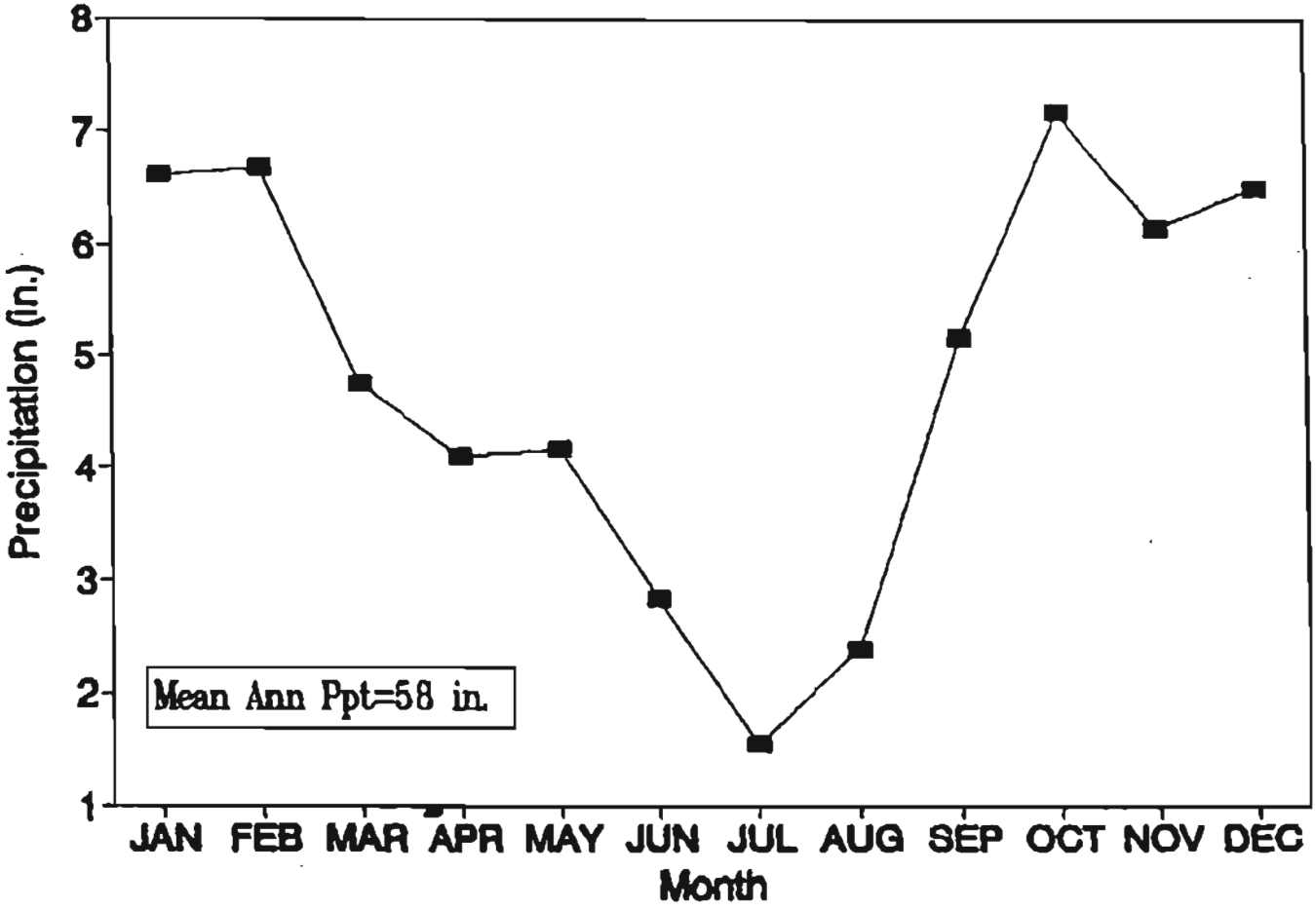
Akutan experiences a maritime climate with cool summers and mild winters, typical of the Aleutian Islands. No long-term climate records are available for Akutan, but the Arctic Environmental Information and Data Center (1989) does have climate data for Dutch Harbor, Unalaska, 40 mi southwest of Akutan (Table 1).

Table 1. Dutch Harbor Climate Summary

Temperature (°F)		Precipitation (in.)	
Summer Temp.	40-60	Average Annual	58.05
Winter Temp.	27-37	Max. Month (Oct.)	7.17
Average Monthly (approximate)	41.0	Min. Month (Jul.)	1.54
		Average Total Snowfall	81.0

The fall and winter months have the greatest precipitation, while mid-summer is the driest. Figure 1 presents a graph of the mean monthly precipitation for Dutch Harbor from 1922-1988 (AEIDC). Incomplete data for Akutan from

FIGURE 1. MEAN MONTHLY PRECIPITATION
Dutch Harbor, 1922-1988



1986-1988 indicate that precipitation could be 10-30 percent higher at Akutan than Dutch Harbor, but conclusive data is lacking. The 1986-1988 gaging period for Akutan was a time of apparently high precipitation (compared with Dutch Harbor), with 75-85 in. mean annual precipitation for each of the three years (National Oceanic and Atmospheric Administration, 1986-1988).

Snowfall mainly occurs from November to April, but it is uncommon for snow to persist on the ground throughout the entire winter; therefore, the Akutan streams don't experience high spring and early summer snowmelt flows as do many Alaskan streams. Winds are frequent in the Aleutians, and data for Dutch Harbor shows a prevailing southeast direction with a mean annual velocity of 11 miles per hour (Selkregg, 1974).

SCOPE OF WORK AND METHODS OF INVESTIGATION

Stream stage was recorded using battery-operated Datapod data recorders coupled to submersible pressure transducers that sense the depth of water above the transducer unit at predetermined times, normally at four hour intervals. Stage data is stored on EPROM data storage modules that are retrieved from the field and taken back to the office for computer analyses utilizing SAS system statistical software. The attached printout gives Daily, Monthly, Quarterly, and Annual Streamflow Summaries; Power and Energy Estimate Summaries; and Flow-Duration Tables.

The streamflow summaries, hydrographs, and flow-duration data were calculated using sums and daily discharge averages that were derived from the 4-hour data. Power and energy figures were calculated using a head of 500 ft for both North Site Creek and Loud Creek, and a system efficiency of 85 percent.

Flow-duration data are presented in tables for both arithmetric and logarithmic discharge class intervals; the duration data are further divided into period-of-record and annual duration summaries. Finally, the printout gives daily and monthly instantaneous power tables and graphs derived from maximum or peak flow events.

Recording instrument and pressure transducer malfunctions caused significant data loss for 3 out of 4 gaging sites at Akutan. The period of record for each stream is: 1) North Site Creek - June 1986 to August 1987; 2) Loud Creek - June 1986 to September 1987; and 3) East Fork Loud Creek - September 1986 to July 1988. Data were collected for West Fork Loud Creek, but close inspection and analysis of the data showed spurious stage readings for the September 1987 to September 1988 period of record; consequently, no data summaries are available.

STREAMFLOW SUMMARY

North Site Creek and Loud Creek flow year-round. The average discharge for the period of record at North Site Creek was 6.6 cubic feet per second (cfs), with a maximum recorded flow of 28.0 cfs and a minimum flow of 0.4 cfs. At Loud Creek the average discharge for the period of record was 10.8 cfs, with a maximum recorded flow of 59.5 cfs and a minimum flow of 1.2 cfs. East Fork Loud Creek had an average discharge of 3.6 cfs, a maximum flow of 15.1 cfs, and a minimum flow of 0.01 cfs.

Flow duration data for North Site Creek show that the stream flows from 3.5 to 8.0 cfs approximately 50 percent of the time, with a 95 percent exceedence level of 1.5 cfs. For Loud Creek, the stream flows 5.0 to 15.0 cfs almost

60 percent of the time, with a 95 percent exceedence level of 3.0 cfs. On the tributary to Loud Creek, East Fork Loud Creek, the stream flows 2.0 cfs to 5.0 cfs approximately 70 percent of the time, with a 95 percent exceedence level of 1.5 cfs.

Loud Creek has disproportionately higher flows than North Site Creek for reasons that aren't exactly known. The drainage basins for both streams are similar, though the Loud Creek basin is approximately 42 percent larger than the North Site Creek basin. Precipitation at both sites should be nearly alike, but no site-specific climatic data was collected. Three factors are likely involved in any significant discrepancies in relative streamflow between the two sites: 1) discharge measurement error; 2) instrument calibration error; and 3) rating curve (or stage-discharge relationship) inaccuracies, especially for higher flows, resulting from too few discharge measurements made over a short period of record.

Field discharge data for Loud Creek and North Site Creek are as follows:

Site	Date:Time	Stage (ft)	Discharge (cfs)
North Site Creek	06/04/86:1430	0.73	10.4
"	07/15/86:1145	0.65	6.4
"	09/09/86:1700	0.62	4.4
"	02/24/87:1800	0.69	2.3
"	09/10/87:1030	0.60	3.2
"	02/10/88:1800	0.75	5.3
"	10/22/88:1830	0.85	5.9
Loud Creek	06/04/86:1100	1.07	18.7
"	07/15/86:1300	0.70	6.9
"	09/09/86:1050	0.67	5.8
"	02/24/87:1730	0.56	3.9
"	09/10/87:1130	0.53	3.3
"	02/10/88:1700	-	11.7
E. Fork Loud Creek	09/10/86:1200	0.59	3.3
"	02/24/87:1630	0.29	1.3
"	09/10/87:1200	0.32	1.3
"	02/10/88:1630	0.70	5.6
"	10/22/88:1630	0.71	6.4

Site	Date:Time	Stage (ft)	Discharge (cfs)
W. Fork Loud Creek	09/10/86:1230	-	1.9
"	02/24/87:1700	-	2.1
"	09/10/87:1230	0.22	1.6
"	02/10/88:1630	0.39	4.9
"	10/22/88:1645	0.30	3.9

The attached streamflow data summaries for North Site Creek, Loud Creek, and East Fork Loud Creek are each organized in the following order:

page 1-12 -- mean daily discharge summary

page 13 -- mean monthly discharge summary

page 15 -- mean discharge for period of record

page 16-29 -- graphs of mean daily discharge versus date

page 30-33 -- flow duration data summary

page 34-48 -- discharge and power summaries

page 49-64 -- graphs of mean, minimum, and maximum power versus date

REFERENCES

Arctic Environmental Information and Data Center, 1989, Climatic data for Dutch Harbor, Alaska, personal communication.

National Oceanic and Atmospheric Administration, 1986-1988, Climatological Data Annual Summary, Alaska: U.S. Department of Commerce, National Climatic Data Center, 34 p.

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EAST FORK LOUD CREEK
STREAMFLOW DATA

DRAFT

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.40	2.40	2.40	2.40	.	86.441	2074.6	1
2	5.62	5.62	5.62	5.62	.	202.416	4858.0	1
3	4.62	4.62	4.62	4.62	.	166.399	3993.6	1
4	2.46	2.46	2.46	2.46	.	88.602	2126.4	1
5	2.96	2.96	2.96	2.96	.	106.610	2558.6	1
6	1.48	1.48	1.48	1.48	.	53.305	1279.3	1
7	1.27	1.27	1.27	1.27	.	45.742	1097.8	1
8	1.27	1.27	1.27	1.27	.	45.742	1097.8	1
9	2.58	2.58	2.58	2.58	.	92.924	2230.2	1
10	3.47	3.47	3.47	3.47	.	124.979	2999.5	1
11	1.48	1.48	1.48	1.48	.	53.305	1279.3	1
12	2.46	2.46	2.46	2.46	.	88.602	2126.4	1
13	1.32	1.32	1.32	1.32	.	47.542	1141.0	1
14	1.32	1.32	1.32	1.32	.	47.542	1141.0	1
15	2.05	2.05	2.05	2.05	.	73.835	1772.0	1
16	4.55	4.55	4.55	4.55	.	163.877	3933.1	1
17	6.88	6.88	6.88	6.88	.	247.797	5947.1	1
18	4.83	4.83	4.83	4.83	.	173.962	4175.1	1
19	5.84	5.84	5.84	5.84	.	210.339	5048.1	1
20	1.82	1.82	1.82	1.82	.	65.551	1573.2	1
21	1.87	1.87	1.87	1.87	.	67.352	1616.4	1
22	8.28	8.28	8.28	8.28	.	298.221	7157.3	1
23	14.73	14.73	14.73	14.73	.	530.530	12732.7	1
24	15.09	15.09	15.09	15.09	.	543.497	13043.9	1
25	14.55	14.55	14.55	14.55	.	524.047	12577.1	1
26	9.00	9.00	9.00	9.00	.	324.153	7779.7	1
27	7.65	7.65	7.65	7.65	.	275.530	6612.7	1
28	4.97	4.97	4.97	4.97	.	179.004	4296.1	1
29	3.15	3.15	3.15	3.15	.	113.454	2722.9	1
30	5.54	5.54	5.54	5.54	.	199.534	4788.8	1
31	5.04	5.04	5.04	5.04	.	181.526	4356.6	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.67	3.67	3.67	3.67	.	132.182	3172.38	1
2	2.52	2.52	2.52	2.52	.	90.763	2178.31	1
3	2.34	2.34	2.34	2.34	.	84.280	2022.71	1
4	1.70	1.70	1.70	1.70	.	61.229	1469.49	1
5	1.70	1.70	1.70	1.70	.	61.229	1469.49	1
6	3.54	3.54	3.54	3.54	.	127.500	3060.00	1
7	5.18	5.18	5.18	5.18	.	186.568	4477.63	1
8	4.07	4.07	4.07	4.07	.	146.589	3518.14	1
9	1.87	1.87	1.87	1.87	.	67.352	1616.44	1
10	3.60	3.60	3.60	3.60	.	129.661	3111.87	1
11	3.54	3.54	3.54	3.54	.	127.500	3060.00	1
12	3.67	3.67	3.67	3.67	.	132.182	3172.38	1
13	3.60	3.60	3.60	3.60	.	129.661	3111.87	1
14	3.47	3.47	3.47	3.47	.	124.979	2999.50	1
15	3.47	3.47	3.47	3.47	.	124.979	2999.50	1
16	5.76	5.76	5.76	5.76	.	207.458	4978.99	1
17	5.76	5.76	5.76	5.76	.	207.458	4978.99	1
18	5.04	5.04	5.04	5.04	.	181.526	4356.62	1
19	7.57	7.57	7.57	7.57	.	272.649	6543.57	1
20	3.87	3.87	3.87	3.87	.	139.386	3345.26	1
21	3.94	3.94	3.94	3.94	.	141.907	3405.77	1
22	4.00	4.00	4.00	4.00	.	144.068	3457.63	1
23	3.87	3.87	3.87	3.87	.	139.386	3345.26	1
24	2.42	1.16	3.67	2.41	1.77	86.981	2087.55	2
25	3.02	2.16	3.87	3.01	1.21	108.591	2606.19	2
26	2.15	0.82	3.47	2.15	1.87	77.256	1854.16	2
27	2.52	0.82	4.21	2.52	2.40	90.583	2173.99	2
28	2.18	0.82	3.54	2.18	1.92	78.517	1884.41	2
29	3.54	3.54	3.54	3.54	.	127.500	3060.00	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.15	0.82	3.47	2.15	1.87	77.256	1854.16	2
2	2.06	0.72	3.41	2.06	1.90	74.375	1785.00	2
3	2.01	0.68	3.34	2.01	1.88	72.394	1737.46	2
4	2.01	0.68	3.34	2.01	1.88	72.394	1737.46	2
5	1.98	0.68	3.28	1.98	1.84	71.314	1711.53	2
6	1.82	0.68	2.96	1.82	1.61	65.551	1573.22	2
7	2.07	0.87	3.28	2.07	1.70	74.735	1793.65	2
8	2.12	0.96	3.28	2.12	1.64	76.356	1832.54	2
9	1.95	0.82	3.08	1.95	1.60	70.233	1685.60	2
10	1.95	0.82	3.08	1.95	1.60	70.233	1685.60	2
11	2.04	1.01	3.08	2.05	1.46	73.655	1767.71	2
12	2.39	1.70	3.08	2.39	0.98	86.081	2065.94	2
13	2.33	1.59	3.08	2.34	1.05	84.100	2018.39	2
14	2.45	1.87	3.02	2.45	0.81	88.062	2113.48	2
15	2.47	2.05	2.89	2.47	0.59	88.962	2135.09	2
16	2.47	2.05	2.89	2.47	0.59	88.962	2135.09	2
17	2.47	2.05	2.89	2.47	0.59	88.962	2135.09	2
18	2.56	2.10	3.02	2.56	0.65	92.204	2212.88	2
19	2.41	1.93	2.89	2.41	0.68	86.801	2083.22	2
20	2.87	2.77	2.96	2.87	0.13	103.189	2476.53	2
21	3.09	2.89	3.28	3.09	0.28	111.112	2666.70	2
22	3.09	3.02	3.15	3.09	0.09	111.112	2666.70	2
23	3.32	2.64	4.00	3.32	0.96	119.576	2869.83	2
24	2.93	2.89	2.96	2.93	0.05	105.350	2528.39	2
25	3.22	2.89	3.54	3.22	0.46	115.795	2779.07	2
26	2.44	1.99	2.89	2.44	0.64	87.881	2109.16	2
27	2.38	1.99	2.77	2.38	0.55	85.720	2057.29	2
28	2.20	1.82	2.77	2.30	0.67	82.659	1983.82	2
29	2.31	1.59	3.02	2.31	1.01	83.019	1992.46	2
30	2.26	1.37	3.15	2.26	1.26	81.398	1953.56	2
31	2.28	1.48	3.08	2.28	1.13	82.119	1970.85	2

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.48	1.93	3.02	2.48	0.77	89.142	2139.41	2
2	3.36	2.16	4.55	3.36	1.69	120.837	2900.09	2
3	2.32	1.87	2.77	2.32	0.64	83.559	2005.43	2
4	2.29	1.87	2.71	2.29	0.59	82.479	1979.49	2
5	2.23	1.76	2.71	2.24	0.67	80.498	1931.95	2
6	2.21	1.70	2.71	2.20	0.71	79.417	1906.02	2
7	2.23	1.76	2.71	2.24	0.67	80.498	1931.95	2
8	2.21	1.70	2.71	2.20	0.71	79.417	1906.02	2
9	2.20	1.76	2.64	2.20	0.62	79.237	1901.70	2
10	2.25	1.87	2.64	2.26	0.54	81.218	1949.24	2
11	2.39	1.82	2.96	2.39	0.81	86.081	2065.94	2
12	2.33	1.70	2.96	2.33	0.89	83.920	2014.07	2
13	2.19	1.54	2.83	2.18	0.91	78.697	1888.73	2
14	2.27	1.70	2.83	2.26	0.80	81.579	1957.88	2
15	2.25	1.54	2.96	2.25	1.00	81.038	1944.92	2
16	2.25	1.54	2.96	2.25	1.00	81.038	1944.92	2
17	2.14	1.32	2.96	2.14	1.16	77.076	1849.83	2
18	2.02	0.96	3.08	2.02	1.50	72.754	1746.10	2
19	2.71	1.87	3.54	2.70	1.18	97.426	2338.22	2
20	2.50	1.27	3.73	2.50	1.74	90.043	2161.02	2
21	2.48	1.22	3.73	2.47	1.77	89.142	2139.41	2
22	2.57	1.06	4.07	2.57	2.13	92.384	2217.21	2
23	2.75	1.16	4.34	2.75	2.25	99.047	2377.12	2
24	2.75	1.01	4.48	2.74	2.45	98.867	2372.80	2
25	3.07	1.16	4.97	3.07	2.69	110.392	2649.41	2
26	3.24	1.37	5.11	3.24	2.64	116.695	2800.68	2
27	3.26	1.48	5.04	3.26	2.52	117.415	2817.97	2
28	3.21	1.59	4.83	3.21	2.29	115.615	2774.75	2
29	3.38	1.99	4.76	3.38	1.96	121.557	2917.38	2
30	3.47	2.10	4.83	3.47	1.93	124.799	2995.17	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.56	2.22	4.90	3.56	1.90	128.221	3077.29	2
2	3.56	2.22	4.90	3.56	1.90	128.221	3077.29	2
3	4.02	2.05	5.98	4.01	2.78	144.608	3470.60	2
4	4.32	2.05	6.58	4.32	3.20	155.413	3729.92	2
5	4.62	2.05	7.19	4.62	3.63	166.399	3993.56	2
6	4.84	2.10	7.57	4.84	3.87	174.142	4179.41	2
7	4.71	2.22	7.19	4.70	3.51	169.460	4067.04	2
8	4.65	2.34	6.96	4.65	3.27	167.479	4019.50	2
9	4.57	2.40	6.73	4.56	3.06	164.418	3946.02	2
10	4.68	2.40	6.96	4.68	3.22	168.560	4045.43	2
11	4.61	2.34	6.88	4.61	3.21	166.038	3984.92	2
12	4.43	2.28	6.58	4.43	3.04	159.555	3829.33	2
13	4.28	2.34	6.21	4.28	2.74	153.973	3695.34	2
14	4.06	2.28	5.84	4.06	2.52	146.229	3509.50	2
15	3.95	2.28	5.62	3.95	2.36	142.267	3414.41	2
16	4.09	2.64	5.54	4.09	2.05	147.310	3535.43	2
17	4.25	2.96	5.54	4.25	1.82	153.072	3673.73	2
18	4.39	3.15	5.62	4.38	1.75	157.935	3790.43	2
19	4.39	3.15	5.62	4.38	1.75	157.935	3790.43	2
20	4.39	3.08	5.69	4.38	1.85	157.935	3790.43	2
21	4.35	3.15	5.54	4.34	1.69	156.494	3755.85	2
22	4.55	3.34	5.76	4.55	1.71	163.877	3933.06	2
23	4.55	3.41	5.69	4.55	1.61	163.877	3933.06	2
24	4.74	3.34	6.13	4.74	1.97	170.540	4092.97	2
25	5.11	3.34	6.88	5.11	2.50	184.047	4417.12	2
26	5.12	3.28	6.96	5.12	2.60	184.407	4425.77	2
27	4.84	3.02	6.65	4.84	2.57	174.142	4179.41	2
28	4.59	2.89	6.28	4.59	2.40	165.138	3963.31	2
29	4.42	2.71	6.13	4.42	2.42	159.195	3820.68	2
30	4.31	2.64	5.98	4.31	2.36	155.233	3725.60	2
31	4.13	2.64	5.62	4.13	2.11	148.750	3570.01	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	4.07	2.52	5.62	4.07	2.19	146.589	3518.14	2
2	3.96	2.52	5.40	3.96	2.04	142.627	3423.06	2
3	4.18	2.96	5.40	4.18	1.73	150.551	3613.23	2
4	4.60	3.80	5.40	4.60	1.13	165.678	3976.28	2
5	4.67	4.00	5.33	4.66	0.94	168.019	4032.46	2
6	4.60	3.87	5.33	4.60	1.03	165.678	3976.28	2
7	4.65	3.54	5.76	4.65	1.57	167.479	4019.50	2
8	4.79	3.73	5.84	4.78	1.49	172.341	4136.19	2
9	4.79	3.73	5.84	4.78	1.49	172.341	4136.19	2
10	4.63	3.41	5.84	4.63	1.72	166.579	3997.89	2
11	4.41	3.28	5.54	4.41	1.60	158.835	3812.04	2
12	4.28	3.08	5.47	4.28	1.69	153.973	3695.34	2
13	4.84	3.02	6.65	4.84	2.57	174.142	4179.41	2
14	5.31	2.89	7.73	5.31	3.42	191.250	4590.01	2
15	5.11	2.96	7.26	5.11	3.04	184.047	4417.12	2
16	5.02	3.15	6.88	5.01	2.64	180.625	4335.01	2
17	4.68	3.08	6.28	4.68	2.26	168.560	4045.43	2
18	4.53	3.08	5.98	4.53	2.05	163.157	3915.77	2
19	4.26	2.83	5.69	4.26	2.02	153.432	3682.38	2
20	4.02	2.71	5.33	4.02	1.85	144.788	3474.92	2
21	3.95	2.64	5.26	3.95	1.85	142.267	3414.41	2
22	3.82	2.46	5.18	3.82	1.92	137.585	3302.04	2
23	3.79	2.46	5.11	3.78	1.87	136.324	3271.78	2
24	3.62	2.34	4.90	3.62	1.81	130.382	3129.16	2
25	3.56	2.28	4.83	3.55	1.80	128.040	3072.97	2
26	3.49	2.28	4.69	3.48	1.70	125.519	3012.46	2
27	3.37	2.05	4.69	3.37	1.87	121.377	2913.05	2
28	3.34	2.05	4.62	3.34	1.82	120.117	2882.80	2
29	3.37	2.05	4.69	3.37	1.87	121.377	2913.05	2
30	3.42	2.22	4.62	3.42	1.70	123.178	2956.28	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.30	2.05	4.55	3.30	1.77	118.856	2852.55	2
2	3.27	2.05	4.48	3.26	1.72	117.596	2822.29	2
3	3.42	2.22	4.62	3.42	1.70	123.178	2956.28	2
4	3.44	2.40	4.48	3.44	1.47	123.898	2973.56	2
5	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
6	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
7	3.40	2.46	4.34	3.40	1.33	122.458	2938.99	2
8	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
9	3.72	2.89	4.55	3.72	1.17	133.983	3215.60	2
10	3.76	2.96	4.55	3.76	1.12	135.244	3245.85	2
11	3.76	2.96	4.55	3.76	1.12	135.244	3245.85	2
12	3.79	2.89	4.69	3.79	1.27	136.504	3276.11	2
13	3.74	2.71	4.76	3.74	1.45	134.523	3228.56	2
14	3.70	2.64	4.76	3.70	1.50	133.263	3198.31	2
15	3.60	2.58	4.62	3.60	1.44	129.661	3111.87	2
16	3.54	2.46	4.62	3.54	1.53	127.500	3060.00	2
17	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
18	3.54	2.46	4.62	3.54	1.53	127.500	3060.00	2
19	3.47	2.46	4.48	3.47	1.43	124.979	2999.50	2
20	3.47	2.46	4.48	3.47	1.43	124.979	2999.50	2
21	3.76	2.83	4.69	3.76	1.32	135.424	3250.17	2
22	3.55	2.83	4.27	3.55	1.02	127.860	3068.65	2
23	3.58	2.89	4.27	3.58	0.98	128.941	3094.58	2
24	3.76	2.96	4.55	3.76	1.12	135.244	3245.85	2
25	3.62	2.89	4.34	3.62	1.03	130.201	3124.83	2
26	3.62	2.83	4.41	3.62	1.12	130.382	3129.16	2
27	3.46	2.71	4.21	3.46	1.06	124.619	2990.85	2
28	3.56	2.64	4.48	3.56	1.30	128.221	3077.29	2
29	3.50	2.52	4.48	3.50	1.39	126.060	3025.43	2
30	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
31	2.46	2.46	2.46	2.46	.	88.602	2126.44	1

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.28	2.28	2.28	2.28	.	82.119	1970.85	1
2	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
3	2.34	2.34	2.34	2.34	.	84.280	2022.71	1
4	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
5	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
6	2.46	2.46	2.46	2.46	.	88.602	2126.44	1
7	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
8	3.08	3.08	3.08	3.08	.	110.932	2662.38	1
9	4.07	4.07	4.07	4.07	.	146.589	3518.14	1
10	4.55	4.55	4.55	4.55	.	163.877	3933.06	1
11	4.41	4.41	4.41	4.41	.	158.835	3812.04	1
12	3.94	3.94	3.94	3.94	.	141.907	3405.77	1
13	3.41	3.41	3.41	3.41	.	122.818	2947.63	1
14	3.28	3.28	3.28	3.28	.	118.136	2835.26	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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
10	1.32	1.32	1.32	1.32	.	47.542	1141.02	1
11	1.92	0.96	2.89	1.93	1.36	69.333	1663.99	2
12	2.33	1.37	3.28	2.32	1.35	83.740	2009.75	2
13	2.88	2.16	3.60	2.88	1.02	103.729	2489.50	2
14	2.48	0.96	4.00	2.48	2.15	89.322	2143.73	2
15	2.87	1.59	4.14	2.87	1.80	103.189	2476.53	2
16	2.57	1.06	4.07	2.57	2.13	92.384	2217.21	2
17	2.38	0.82	3.94	2.38	2.21	85.720	2057.29	2
18	4.39	3.73	5.04	4.38	0.93	157.935	3790.43	2
19	4.64	3.73	5.54	4.63	1.28	166.939	4006.53	2
20	3.53	2.58	4.48	3.53	1.34	127.140	3051.36	2
21	1.61	0.19	3.02	1.61	2.00	57.807	1387.37	2
22	2.21	1.22	3.21	2.22	1.41	79.778	1914.66	2
23	4.31	3.08	5.54	4.31	1.74	155.233	3725.60	2
24	2.95	2.22	3.67	2.95	1.03	106.070	2545.68	2
25	2.02	0.09	3.94	2.01	2.72	72.574	1741.78	2
26	2.37	1.01	3.73	2.37	1.92	85.360	2048.65	2
27	2.92	2.10	3.73	2.91	1.15	104.990	2519.75	2
28	2.98	2.28	3.67	2.97	0.98	107.151	2571.61	2
29	2.69	1.37	4.00	2.68	1.86	96.706	2320.94	2
30	2.97	2.40	3.54	2.97	0.81	106.970	2567.29	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK = SEPT, 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.31	3.21	3.41	3.31	0.14	119.216	2861.19	2
2	3.64	3.34	3.94	3.64	0.42	131.102	3146.45	2
3	3.68	3.21	4.14	3.68	0.66	132.362	3176.70	2
4	3.25	2.89	3.60	3.25	0.50	116.875	2805.00	2
5	2.83	2.83	2.83	2.83	0.00	101.928	2446.27	2
6	1.69	0.22	3.15	1.68	2.07	60.689	1456.53	2
7	1.79	0.50	3.08	1.79	1.82	64.470	1547.29	2
8	3.82	3.15	4.48	3.81	0.94	137.405	3297.72	2
9	4.84	4.14	5.54	4.84	0.99	174.322	4183.73	2
10	5.36	5.18	5.54	5.36	0.25	193.051	4633.23	2
11	5.19	5.04	5.33	5.18	0.21	186.748	4481.96	2
12	5.23	4.76	5.69	5.22	0.66	188.189	4516.53	2
13	2.91	1.27	4.55	2.91	2.32	104.809	2515.43	2
14	4.74	4.21	5.26	4.74	0.74	170.540	4092.97	2
15	3.39	2.83	3.94	3.38	0.78	121.918	2926.02	2
16	1.98	0.42	3.54	1.98	2.21	71.314	1711.53	2
17	2.65	1.82	3.47	2.64	1.17	95.265	2286.36	2
18	3.51	3.08	3.94	3.51	0.61	126.420	3034.07	2
19	3.99	3.28	4.69	3.98	1.00	143.528	3444.67	2
20	2.21	1.01	3.41	2.21	1.70	79.598	1910.34	2
21	2.95	2.22	3.67	2.95	1.03	106.070	2545.68	2
22	2.66	1.37	3.94	2.65	1.82	95.625	2295.00	2
23	4.44	3.41	5.47	4.44	1.46	159.915	3837.97	2
24	6.45	3.73	9.16	6.44	3.84	232.130	5571.11	2
25	5.70	3.67	7.73	5.70	2.87	205.297	4927.13	2
26	7.04	4.34	9.73	7.03	3.81	253.380	6081.11	2
27	5.28	4.34	6.21	5.28	1.32	189.990	4559.75	2
28	4.42	4.21	4.62	4.41	0.29	159.015	3816.36	2
29	3.94	3.54	4.34	3.94	0.57	141.907	3405.77	2
30	2.85	1.43	4.27	2.85	2.01	102.648	2463.56	2
31	2.41	0.82	4.00	2.41	2.25	86.801	2083.22	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,E=85%,Q=FLOW & P=QHE/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	2.27	1.59	2.96	2.28	0.97	81.939	1966.53	2
2	3.46	2.58	4.34	3.46	1.24	124.619	2990.85	2
3	4.10	3.02	5.18	4.10	1.53	147.670	3544.07	2
4	5.84	3.47	8.20	5.84	3.34	210.159	5043.82	2
5	3.61	3.21	4.00	3.61	0.56	129.841	3116.19	2
6	3.92	3.28	4.55	3.91	0.90	141.007	3384.16	2
7	4.12	3.47	4.76	4.12	0.91	148.210	3557.04	2
8	2.08	1.32	2.83	2.07	1.07	74.735	1793.65	2
9	2.27	1.59	2.96	2.28	0.97	81.939	1966.53	2
10	2.99	2.64	3.34	2.99	0.49	107.691	2584.58	2
11	2.93	2.64	3.21	2.93	0.40	105.350	2528.39	2
12	3.09	2.58	3.60	3.09	0.72	111.293	2671.02	2
13	3.49	2.28	4.69	3.48	1.70	125.519	3012.46	2
14	3.37	1.48	5.26	3.37	2.67	121.377	2913.05	2
15	4.09	2.05	6.13	4.09	2.88	147.310	3535.43	2
16	6.70	6.28	7.11	6.69	0.59	241.134	5787.21	2
17	6.51	6.28	6.73	6.50	0.32	234.291	5622.97	2
18	7.93	7.26	8.60	7.93	0.95	285.615	6854.76	2
19	6.25	6.21	6.28	6.24	0.05	224.926	5398.23	2
20	5.44	4.90	5.98	5.44	0.76	195.932	4702.38	2
21	5.40	5.33	5.47	5.40	0.10	194.492	4667.80	2
22	4.39	3.67	5.11	4.39	1.02	158.115	3794.75	2
23	4.28	3.80	4.76	4.28	0.68	154.153	3699.67	2
24	4.28	3.87	4.69	4.28	0.58	154.153	3699.67	2
25	4.80	4.62	4.97	4.80	0.25	172.702	4144.84	2
26	4.21	3.87	4.55	4.21	0.48	151.632	3639.16	2
27	3.85	2.58	5.11	3.84	1.79	138.485	3323.65	2
28	2.83	2.83	2.83	2.83	.	101.928	2446.27	1
29	4.55	4.55	4.55	4.55	.	163.877	3933.06	1
30	4.62	4.62	4.62	4.62	.	166.399	3993.56	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,E=85%,Q=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	5.98	5.98	5.98	5.98	.	215.382	5169.2	1
2	4.62	4.62	4.62	4.62	.	166.399	3993.6	1
3	4.14	4.14	4.14	4.14	.	149.110	3578.6	1
4	3.87	3.87	3.87	3.87	.	139.386	3345.3	1
5	4.69	4.69	4.69	4.69	.	168.920	4054.1	1
6	3.73	3.73	3.73	3.73	.	134.343	3224.2	1
7	2.46	2.46	2.46	2.46	.	88.602	2126.4	1
8	1.99	1.99	1.99	1.99	.	71.674	1720.2	1
9	2.77	2.77	2.77	2.77	.	99.767	2394.4	1
10	2.96	2.96	2.96	2.96	.	106.610	2558.6	1
11	5.33	5.33	5.33	5.33	.	191.971	4607.3	1
12	7.26	7.26	7.26	7.26	.	261.483	6275.6	1
13	3.28	3.28	3.28	3.28	.	118.136	2835.3	1
14	2.40	2.40	2.40	2.40	.	86.441	2074.6	1
15	1.59	1.59	1.59	1.59	.	57.267	1374.4	1
16	2.83	2.83	2.83	2.83	.	101.928	2446.3	1
17	2.28	2.28	2.28	2.28	.	82.119	1970.9	1
18	3.28	3.28	3.28	3.28	.	118.136	2835.3	1
19	3.73	3.73	3.73	3.73	.	134.343	3224.2	1
20	9.40	9.40	9.40	9.40	.	338.560	8125.4	1
21	10.98	10.98	10.98	10.98	.	395.467	9491.2	1
22	4.07	4.07	4.07	4.07	.	146.589	3518.1	1
23	2.34	2.34	2.34	2.34	.	84.280	2022.7	1
24	6.35	6.35	6.35	6.35	.	228.708	5489.0	1
25	12.09	12.09	12.09	12.09	.	435.446	10450.7	1
26	8.04	8.04	8.04	8.04	.	289.577	6949.8	1
27	4.00	4.00	4.00	4.00	.	144.068	3457.6	1
28	3.73	3.73	3.73	3.73	.	134.343	3224.2	1
29	5.98	5.98	5.98	5.98	.	215.382	5169.2	1
30	6.73	6.73	6.73	6.73	.	242.394	5817.5	1
31	5.04	5.04	5.04	5.04	.	181.526	4356.6	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN MONTHLY DISCHARGE SUMMARY
H=500FT,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	4.86	1.27	15.09	3.47	3.96	174.915	127786	31
FEBRUARY	3.41	0.82	7.57	3.57	1.49	122.701	89641	34
MARCH	2.39	0.68	4.00	2.89	0.94	86.179	62959	62
APRIL	2.57	0.96	5.11	2.40	1.19	92.396	67501	60
MAY	4.42	2.05	7.57	4.15	1.87	159.189	116297	62
JUNE	4.24	2.05	7.73	4.31	1.51	152.562	111456	60
JULY	3.53	2.05	4.76	2.96	0.98	127.187	92918	61
AUGUST	3.10	2.28	4.55	2.77	0.84	111.704	81607	14
SEPTEMBR	2.81	0.09	5.54	3.08	1.43	101.260	73977	41
OCTOBER	3.81	0.22	9.73	3.70	1.78	137.178	100217	62
NOVEMBER	4.27	1.32	8.60	4.34	1.67	153.698	112285	57
DECEMBER	4.77	1.59	12.09	4.00	2.60	171.882	125570	31

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN QUARTERLY DISCHARGE SUMMARY
H=500FT,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	3.27	0.68	15.09	2.96	2.40	117.617	257757	127
SECOND_QUARTER	3.75	0.96	7.73	3.11	1.75	134.985	295819	182
THIRD_QUARTER	3.23	0.09	5.54	3.05	1.18	116.155	254553	116
FOURTH_QUARTER	4.18	0.22	12.09	3.94	1.96	150.628	330101	150

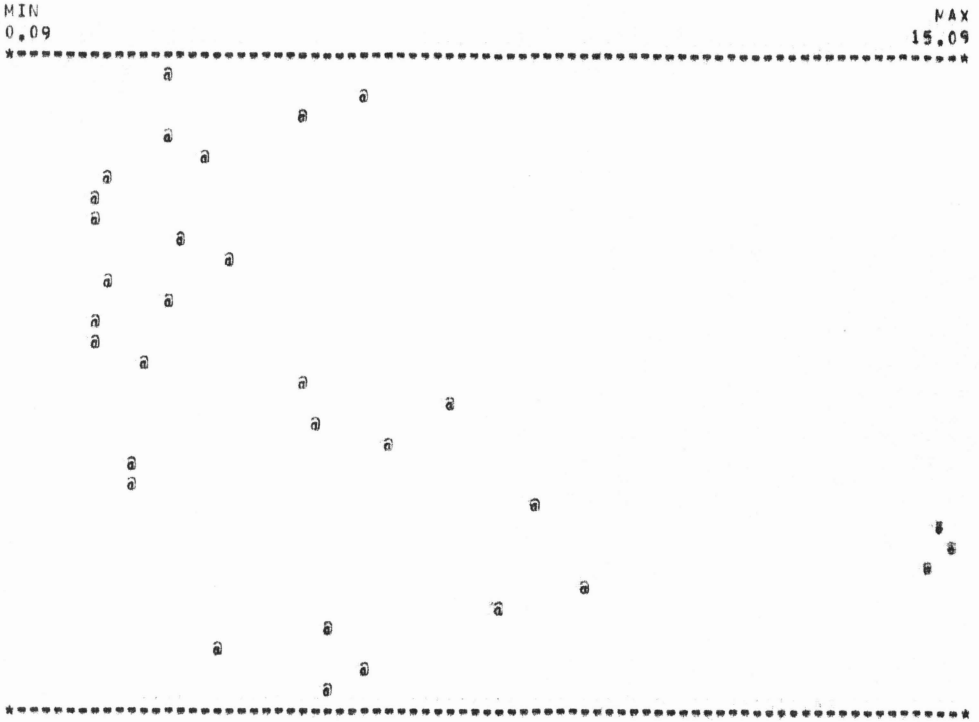
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
OVERALL MEAN DISCHARGE
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

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	3.65	0.09	15.09	3.28	1.91	131.431	1152122	575

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=JANUARY

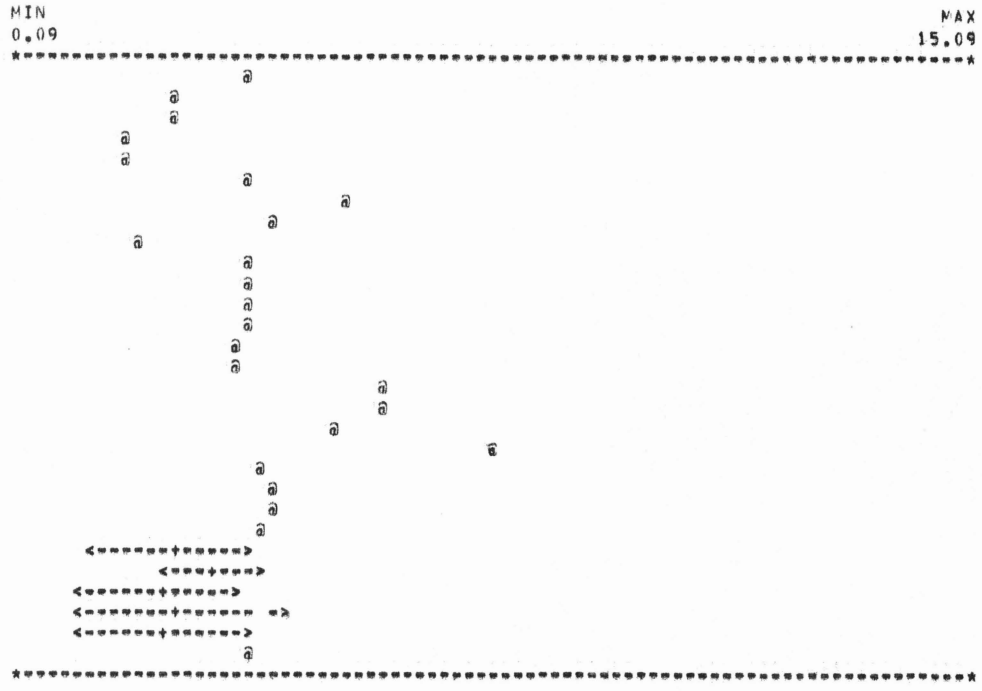
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	1	2.40	2.40	2.40
JANUARY	2	5.62	5.62	5.62
JANUARY	3	4.62	4.62	4.62
JANUARY	4	2.46	2.46	2.46
JANUARY	5	2.96	2.96	2.96
JANUARY	6	1.48	1.48	1.48
JANUARY	7	1.27	1.27	1.27
JANUARY	8	1.27	1.27	1.27
JANUARY	9	2.58	2.58	2.58
JANUARY	10	3.47	3.47	3.47
JANUARY	11	1.48	1.48	1.48
JANUARY	12	2.46	2.46	2.46
JANUARY	13	1.32	1.32	1.32
JANUARY	14	1.32	1.32	1.32
JANUARY	15	2.05	2.05	2.05
JANUARY	16	4.55	4.55	4.55
JANUARY	17	6.88	6.88	6.88
JANUARY	18	4.83	4.83	4.83
JANUARY	19	5.84	5.84	5.84
JANUARY	20	1.82	1.82	1.82
JANUARY	21	1.87	1.87	1.87
JANUARY	22	8.28	8.28	8.28
JANUARY	23	14.73	14.73	14.73
JANUARY	24	15.09	15.09	15.09
JANUARY	25	14.55	14.55	14.55
JANUARY	26	9.00	9.00	9.00
JANUARY	27	7.65	7.65	7.65
JANUARY	28	4.97	4.97	4.97
JANUARY	29	3.15	3.15	3.15
JANUARY	30	5.54	5.54	5.54
JANUARY	31	5.04	5.04	5.04



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=FEBRUARY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FEBRUARY	1	3.67	3.67	3.67
FEBRUARY	2	2.52	2.52	2.52
FEBRUARY	3	2.34	2.34	2.34
FEBRUARY	4	1.70	1.70	1.70
FEBRUARY	5	1.70	1.70	1.70
FEBRUARY	6	3.54	3.54	3.54
FEBRUARY	7	5.18	5.18	5.18
FEBRUARY	8	4.07	4.07	4.07
FEBRUARY	9	1.87	1.87	1.87
FEBRUARY	10	3.60	3.60	3.60
FEBRUARY	11	3.54	3.54	3.54
FEBRUARY	12	3.67	3.67	3.67
FEBRUARY	13	3.60	3.60	3.60
FEBRUARY	14	3.47	3.47	3.47
FEBRUARY	15	3.47	3.47	3.47
FEBRUARY	16	5.76	5.76	5.76
FEBRUARY	17	5.76	5.76	5.76
FEBRUARY	18	5.04	5.04	5.04
FEBRUARY	19	7.57	7.57	7.57
FEBRUARY	20	3.87	3.87	3.87
FEBRUARY	21	3.94	3.94	3.94
FEBRUARY	22	4.00	4.00	4.00
FEBRUARY	23	3.87	3.87	3.87
FEBRUARY	24	2.42	3.67	1.16
FEBRUARY	25	3.02	3.87	2.16
FEBRUARY	26	2.15	3.47	0.82
FEBRUARY	27	2.52	4.21	0.82
FEBRUARY	28	2.18	3.54	0.82
FEBRUARY	29	3.54	3.54	3.54



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

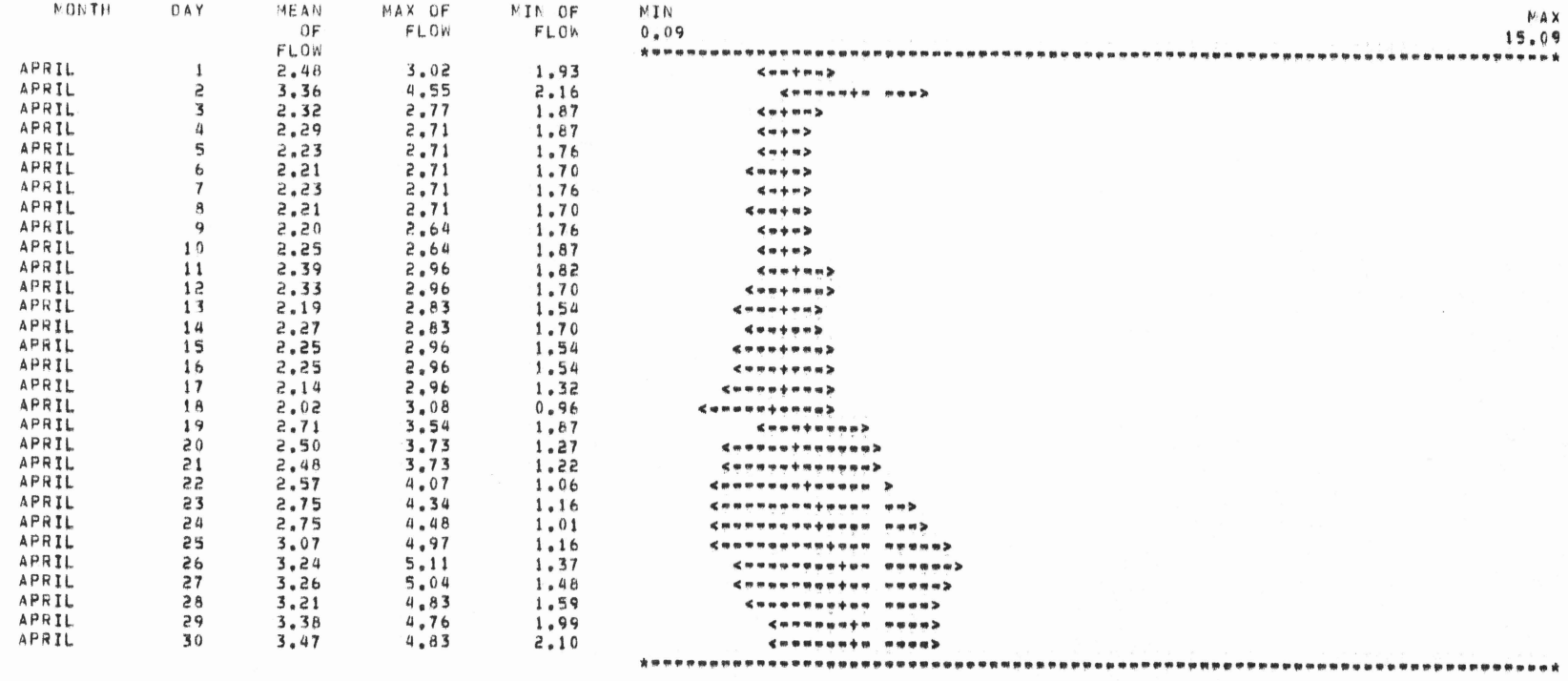
MONTH=MARCH

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW	MIN 0.09 ... MAX 15.09
MARCH	1	2.15	3.47	0.82	
MARCH	2	2.06	3.41	0.72	
MARCH	3	2.01	3.34	0.68	
MARCH	4	2.01	3.34	0.68	
MARCH	5	1.98	3.28	0.68	
MARCH	6	1.82	2.96	0.68	
MARCH	7	2.07	3.28	0.87	
MARCH	8	2.12	3.28	0.96	
MARCH	9	1.95	3.08	0.82	
MARCH	10	1.95	3.08	0.82	
MARCH	11	2.04	3.08	1.01	
MARCH	12	2.39	3.08	1.70	
MARCH	13	2.33	3.08	1.59	
MARCH	14	2.45	3.02	1.87	
MARCH	15	2.47	2.89	2.05	
MARCH	16	2.47	2.89	2.05	
MARCH	17	2.47	2.89	2.05	
MARCH	18	2.56	3.02	2.10	
MARCH	19	2.41	2.89	1.93	
MARCH	20	2.87	2.96	2.77	
MARCH	21	3.09	3.28	2.89	
MARCH	22	3.09	3.15	3.02	
MARCH	23	3.32	4.00	2.64	
MARCH	24	2.93	2.96	2.89	
MARCH	25	3.22	3.54	2.89	
MARCH	26	2.44	2.89	1.99	
MARCH	27	2.38	2.77	1.99	
MARCH	28	2.20	2.77	1.82	
MARCH	29	2.31	3.02	1.59	
MARCH	30	2.26	3.15	1.37	
MARCH	31	2.28	3.08	1.48	

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=APRIL

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
APRIL	1	2.48	3.02	1.93
APRIL	2	3.36	4.55	2.16
APRIL	3	2.32	2.77	1.87
APRIL	4	2.29	2.71	1.87
APRIL	5	2.23	2.71	1.76
APRIL	6	2.21	2.71	1.70
APRIL	7	2.23	2.71	1.76
APRIL	8	2.21	2.71	1.70
APRIL	9	2.20	2.64	1.76
APRIL	10	2.25	2.64	1.87
APRIL	11	2.39	2.96	1.82
APRIL	12	2.33	2.96	1.70
APRIL	13	2.19	2.83	1.54
APRIL	14	2.27	2.83	1.70
APRIL	15	2.25	2.96	1.54
APRIL	16	2.25	2.96	1.54
APRIL	17	2.14	2.96	1.32
APRIL	18	2.02	3.08	0.96
APRIL	19	2.71	3.54	1.87
APRIL	20	2.50	3.73	1.27
APRIL	21	2.48	3.73	1.22
APRIL	22	2.57	4.07	1.06
APRIL	23	2.75	4.34	1.16
APRIL	24	2.75	4.48	1.01
APRIL	25	3.07	4.97	1.16
APRIL	26	3.24	5.11	1.37
APRIL	27	3.26	5.04	1.48
APRIL	28	3.21	4.83	1.59
APRIL	29	3.38	4.76	1.99
APRIL	30	3.47	4.83	2.10



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

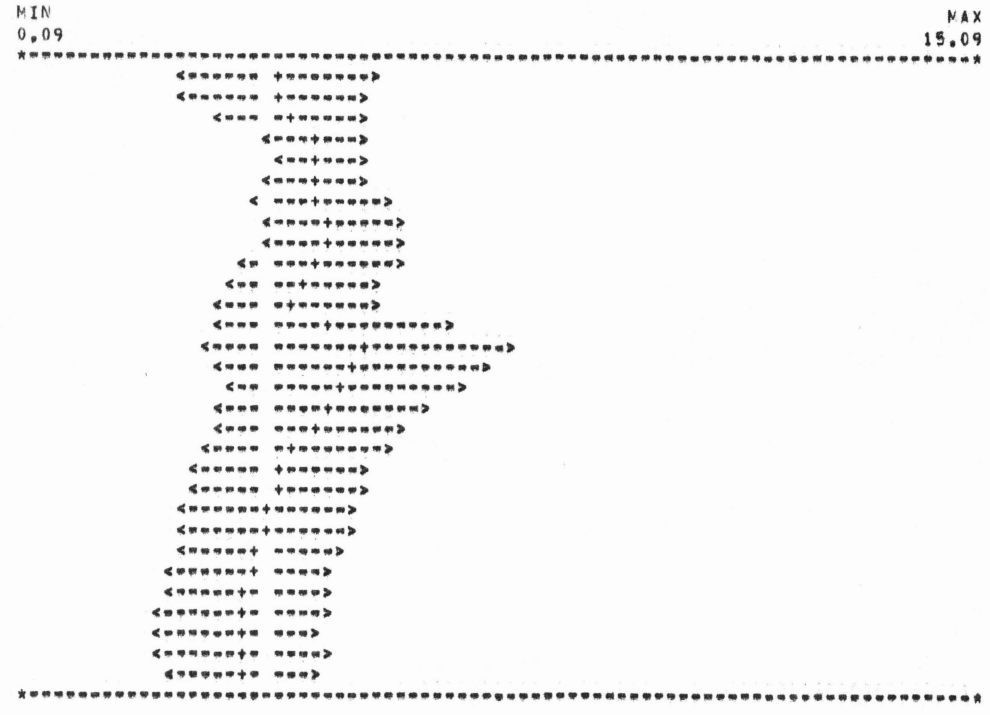
MONTH=MAY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MAY	1	3.56	4.90	2.22
MAY	2	3.56	4.90	2.22
MAY	3	4.02	5.98	2.05
MAY	4	4.32	6.58	2.05
MAY	5	4.62	7.19	2.05
MAY	6	4.84	7.57	2.10
MAY	7	4.71	7.19	2.22
MAY	8	4.65	6.96	2.34
MAY	9	4.57	6.73	2.40
MAY	10	4.68	6.96	2.40
MAY	11	4.61	6.88	2.34
MAY	12	4.43	6.58	2.28
MAY	13	4.28	6.21	2.34
MAY	14	4.06	5.84	2.28
MAY	15	3.95	5.62	2.28
MAY	16	4.09	5.54	2.64
MAY	17	4.25	5.54	2.96
MAY	18	4.39	5.62	3.15
MAY	19	4.39	5.62	3.15
MAY	20	4.39	5.69	3.08
MAY	21	4.35	5.54	3.15
MAY	22	4.55	5.76	3.34
MAY	23	4.55	5.69	3.41
MAY	24	4.74	6.13	3.34
MAY	25	5.11	6.88	3.34
MAY	26	5.12	6.96	3.28
MAY	27	4.84	6.65	3.02
MAY	28	4.59	6.28	2.89
MAY	29	4.42	6.13	2.71
MAY	30	4.31	5.98	2.64
MAY	31	4.13	5.62	2.64

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=JUNE

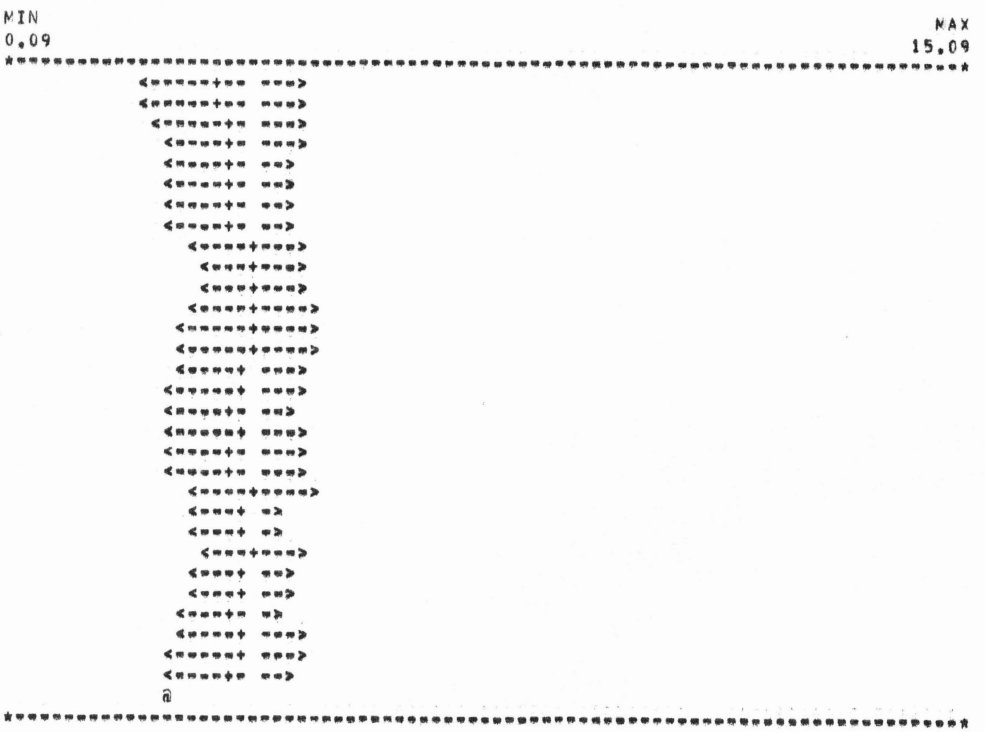
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JUNE	1	4.07	5.62	2.52
JUNE	2	3.96	5.40	2.52
JUNE	3	4.18	5.40	2.96
JUNE	4	4.60	5.40	3.80
JUNE	5	4.67	5.33	4.00
JUNE	6	4.60	5.33	3.87
JUNE	7	4.65	5.76	3.54
JUNE	8	4.79	5.84	3.73
JUNE	9	4.79	5.84	3.73
JUNE	10	4.63	5.84	3.41
JUNE	11	4.41	5.54	3.28
JUNE	12	4.28	5.47	3.08
JUNE	13	4.84	6.65	3.02
JUNE	14	5.31	7.73	2.89
JUNE	15	5.11	7.26	2.96
JUNE	16	5.02	6.88	3.15
JUNE	17	4.68	6.28	3.08
JUNE	18	4.53	5.98	3.08
JUNE	19	4.26	5.69	2.83
JUNE	20	4.02	5.33	2.71
JUNE	21	3.95	5.26	2.64
JUNE	22	3.82	5.18	2.46
JUNE	23	3.79	5.11	2.46
JUNE	24	3.62	4.90	2.34
JUNE	25	3.56	4.83	2.28
JUNE	26	3.49	4.69	2.28
JUNE	27	3.37	4.69	2.05
JUNE	28	3.34	4.62	2.05
JUNE	29	3.37	4.69	2.05
JUNE	30	3.42	4.62	2.22



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=JULY

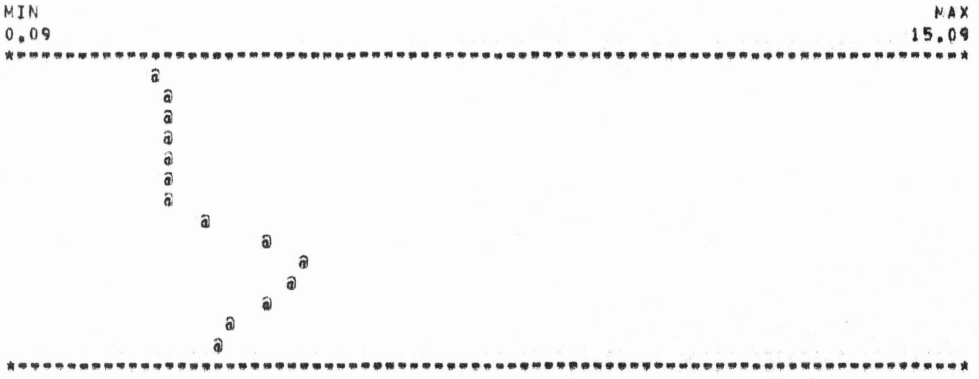
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JULY	1	3.30	4.55	2.05
JULY	2	3.27	4.48	2.05
JULY	3	3.42	4.62	2.22
JULY	4	3.44	4.48	2.40
JULY	5	3.44	4.41	2.46
JULY	6	3.44	4.41	2.46
JULY	7	3.40	4.34	2.46
JULY	8	3.44	4.41	2.46
JULY	9	3.72	4.55	2.89
JULY	10	3.76	4.55	2.96
JULY	11	3.76	4.55	2.96
JULY	12	3.79	4.69	2.89
JULY	13	3.74	4.76	2.71
JULY	14	3.70	4.76	2.64
JULY	15	3.60	4.62	2.58
JULY	16	3.54	4.62	2.46
JULY	17	3.44	4.41	2.46
JULY	18	3.54	4.62	2.46
JULY	19	3.47	4.48	2.46
JULY	20	3.47	4.48	2.46
JULY	21	3.76	4.69	2.83
JULY	22	3.55	4.27	2.83
JULY	23	3.58	4.27	2.89
JULY	24	3.76	4.55	2.96
JULY	25	3.62	4.34	2.89
JULY	26	3.62	4.41	2.83
JULY	27	3.46	4.21	2.71
JULY	28	3.56	4.48	2.64
JULY	29	3.50	4.48	2.52
JULY	30	3.44	4.41	2.46
JULY	31	2.46	2.46	2.46



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=AUGUST

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
AUGUST	1	2.28	2.28	2.28
AUGUST	2	2.40	2.40	2.40
AUGUST	3	2.34	2.34	2.34
AUGUST	4	2.40	2.40	2.40
AUGUST	5	2.40	2.40	2.40
AUGUST	6	2.46	2.46	2.46
AUGUST	7	2.40	2.40	2.40
AUGUST	8	3.08	3.08	3.08
AUGUST	9	4.07	4.07	4.07
AUGUST	10	4.55	4.55	4.55
AUGUST	11	4.41	4.41	4.41
AUGUST	12	3.94	3.94	3.94
AUGUST	13	3.41	3.41	3.41
AUGUST	14	3.28	3.28	3.28



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=SEPTEMBR

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW	MIN 0.09 ... MAX 15.09
SEPTEMBR	10	1.32	1.32	1.32	@
SEPTEMBR	11	1.92	2.89	0.96	<----+---->
SEPTEMBR	12	2.33	3.28	1.37	<---+---->
SEPTEMBR	13	2.88	3.60	2.16	<--+-->
SEPTEMBR	14	2.48	4.00	0.96	<-------+------ >
SEPTEMBR	15	2.87	4.14	1.59	<------+----- =>
SEPTEMBR	16	2.57	4.07	1.06	<-------+----- >
SEPTEMBR	17	2.38	3.94	0.82	<-------+------ >
SEPTEMBR	18	4.39	5.04	3.73	<--+-->
SEPTEMBR	19	4.64	5.54	3.73	<---+---->
SEPTEMBR	20	3.53	4.48	2.58	<----+ --->
SEPTEMBR	21	1.61	3.02	0.19	<------+------>
SEPTEMBR	22	2.21	3.21	1.22	<----+---->
SEPTEMBR	23	4.31	5.54	3.08	<--- --+------>
SEPTEMBR	24	2.95	3.67	2.22	<---+-->
SEPTEMBR	25	2.02	3.94	0.09	<---------+-------- >
SEPTEMBR	26	2.37	3.73	1.01	<------+------>
SEPTEMBR	27	2.92	3.73	2.10	<----+--->
SEPTEMBR	28	2.98	3.67	2.28	<---+-->
SEPTEMBR	29	2.69	4.00	1.37	<-----+------ >
SEPTEMBR	30	2.97	3.54	2.40	<--+-->

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

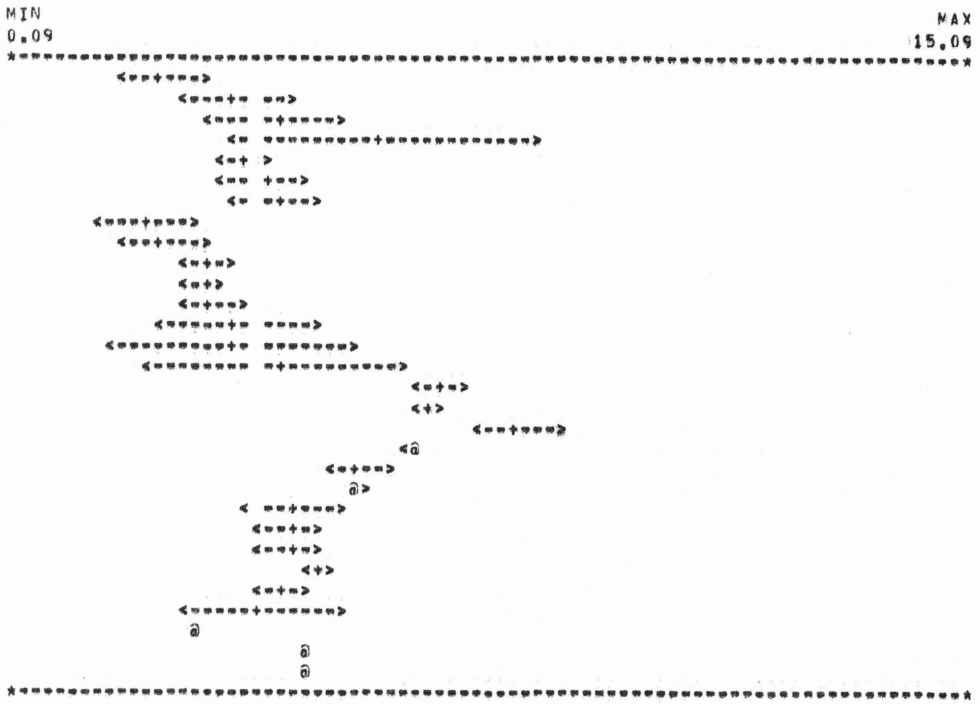
MONTH=OCTOBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
OCTOBER	1	3.31	3.41	3.21
OCTOBER	2	3.64	3.94	3.34
OCTOBER	3	3.68	4.14	3.21
OCTOBER	4	3.25	3.60	2.89
OCTOBER	5	2.83	2.83	2.83
OCTOBER	6	1.69	3.15	0.22
OCTOBER	7	1.79	3.08	0.50
OCTOBER	8	3.82	4.48	3.15
OCTOBER	9	4.84	5.54	4.14
OCTOBER	10	5.36	5.54	5.18
OCTOBER	11	5.19	5.33	5.04
OCTOBER	12	5.23	5.69	4.76
OCTOBER	13	2.91	4.55	1.27
OCTOBER	14	4.74	5.26	4.21
OCTOBER	15	3.39	3.94	2.83
OCTOBER	16	1.98	3.54	0.42
OCTOBER	17	2.65	3.47	1.82
OCTOBER	18	3.51	3.94	3.08
OCTOBER	19	3.99	4.69	3.28
OCTOBER	20	2.21	3.41	1.01
OCTOBER	21	2.95	3.67	2.22
OCTOBER	22	2.66	3.94	1.37
OCTOBER	23	4.44	5.47	3.41
OCTOBER	24	6.45	9.16	3.73
OCTOBER	25	5.70	7.73	3.67
OCTOBER	26	7.04	9.73	4.34
OCTOBER	27	5.28	6.21	4.34
OCTOBER	28	4.42	4.62	4.21
OCTOBER	29	3.94	4.34	3.54
OCTOBER	30	2.85	4.27	1.43
OCTOBER	31	2.41	4.00	0.82

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=NOVEMBER

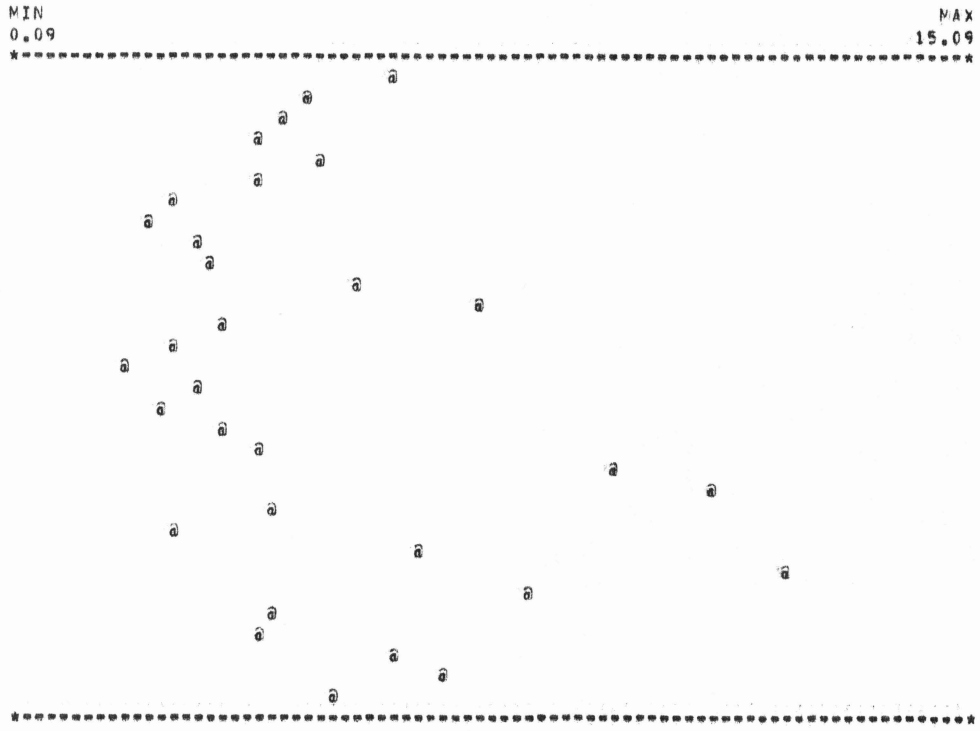
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
NOVEMBER	1	2.27	2.96	1.59
NOVEMBER	2	3.46	4.34	2.58
NOVEMBER	3	4.10	5.18	3.02
NOVEMBER	4	5.84	8.20	3.47
NOVEMBER	5	3.61	4.00	3.21
NOVEMBER	6	3.92	4.55	3.28
NOVEMBER	7	4.12	4.76	3.47
NOVEMBER	8	2.08	2.83	1.32
NOVEMBER	9	2.27	2.96	1.59
NOVEMBER	10	2.99	3.34	2.64
NOVEMBER	11	2.93	3.21	2.64
NOVEMBER	12	3.09	3.60	2.58
NOVEMBER	13	3.49	4.69	2.28
NOVEMBER	14	3.37	5.26	1.48
NOVEMBER	15	4.09	6.13	2.05
NOVEMBER	16	6.70	7.11	6.28
NOVEMBER	17	6.51	6.73	6.28
NOVEMBER	18	7.93	8.60	7.26
NOVEMBER	19	6.25	6.28	6.21
NOVEMBER	20	5.44	5.98	4.90
NOVEMBER	21	5.40	5.47	5.33
NOVEMBER	22	4.39	5.11	3.67
NOVEMBER	23	4.28	4.76	3.80
NOVEMBER	24	4.28	4.69	3.87
NOVEMBER	25	4.80	4.97	4.62
NOVEMBER	26	4.21	4.55	3.87
NOVEMBER	27	3.85	5.11	2.58
NOVEMBER	28	2.83	2.83	2.83
NOVEMBER	29	4.55	4.55	4.55
NOVEMBER	30	4.62	4.62	4.62



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

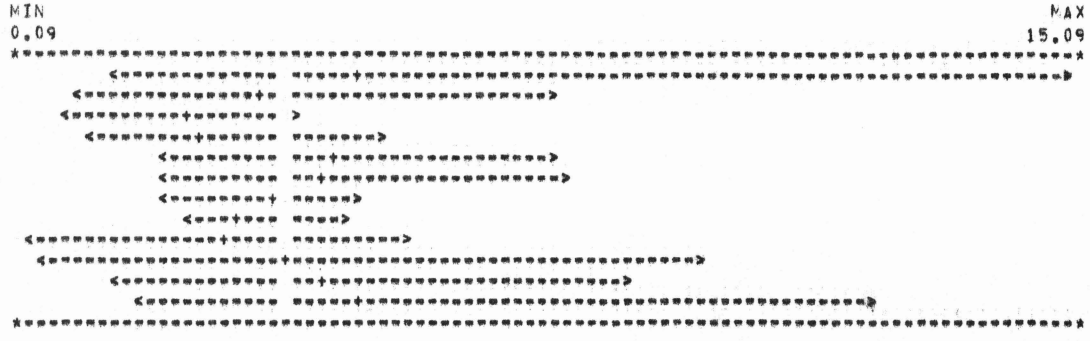
MONTH=DECEMBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
DECEMBER	1	5.98	5.98	5.98
DECEMBER	2	4.62	4.62	4.62
DECEMBER	3	4.14	4.14	4.14
DECEMBER	4	3.87	3.87	3.87
DECEMBER	5	4.69	4.69	4.69
DECEMBER	6	3.73	3.73	3.73
DECEMBER	7	2.46	2.46	2.46
DECEMBER	8	1.99	1.99	1.99
DECEMBER	9	2.77	2.77	2.77
DECEMBER	10	2.96	2.96	2.96
DECEMBER	11	5.33	5.33	5.33
DECEMBER	12	7.26	7.26	7.26
DECEMBER	13	3.28	3.28	3.28
DECEMBER	14	2.40	2.40	2.40
DECEMBER	15	1.59	1.59	1.59
DECEMBER	16	2.83	2.83	2.83
DECEMBER	17	2.28	2.28	2.28
DECEMBER	18	3.28	3.28	3.28
DECEMBER	19	3.73	3.73	3.73
DECEMBER	20	9.40	9.40	9.40
DECEMBER	21	10.98	10.98	10.98
DECEMBER	22	4.07	4.07	4.07
DECEMBER	23	2.34	2.34	2.34
DECEMBER	24	6.35	6.35	6.35
DECEMBER	25	12.09	12.09	12.09
DECEMBER	26	8.04	8.04	8.04
DECEMBER	27	4.00	4.00	4.00
DECEMBER	28	3.73	3.73	3.73
DECEMBER	29	5.98	5.98	5.98
DECEMBER	30	6.73	6.73	6.73
DECEMBER	31	5.04	5.04	5.04



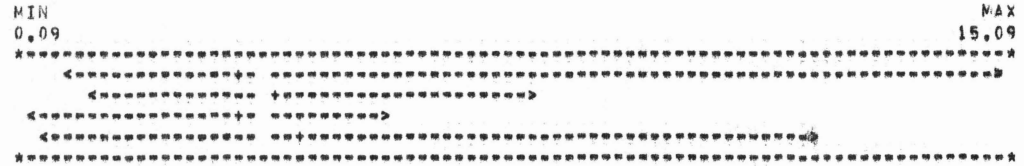
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF MONTHLY MEANS

MONTH	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	4.86	15.09	1.27
FEBRUARY	3.41	7.57	0.82
MARCH	2.39	4.00	0.68
APRIL	2.57	5.11	0.96
MAY	4.42	7.57	2.05
JUNE	4.24	7.73	2.05
JULY	3.53	4.76	2.05
AUGUST	3.10	4.55	2.28
SEPTEMBR	2.81	5.54	0.09
OCTOBER	3.81	9.73	0.22
NOVEMBER	4.27	8.60	1.32
DECEMBER	4.77	12.09	1.59



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF QUARTERLY MEANS

QUARTER	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FIRST_QUARTER	3.27	15.09	0.68
SECOND_QUARTER	3.75	7.73	0.96
THIRD_QUARTER	3.23	5.54	0.09
FOURTH_QUARTER	4.18	12.09	0.22



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:08 FRIDAY, OCTOBER 6, 1989 30

AKUTAN DATA REPORT

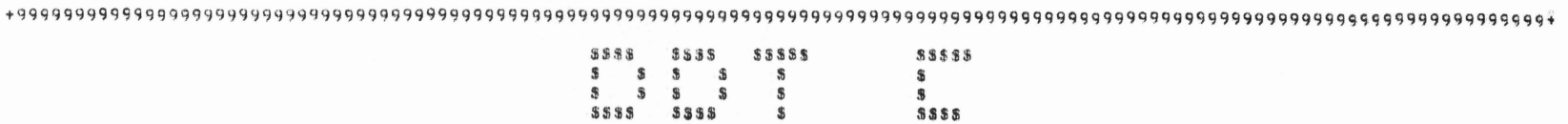
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988

DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	> 30.0 CFS	NUM OBS
JANUARY	0	0	0	2	2	4	2	2	0	0	4	4	1	1	1	1	0	0	3	0	0	0	0	27
FEBRUARY	3	1	0	0	3	2	1	3	13	3	0	4	0	1	0	0	0	0	0	0	0	0	0	34
MARCH	10	1	0	3	6	4	15	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	61
APRIL	1	4	0	5	14	2	15	2	3	3	5	2	0	0	0	0	0	0	0	0	0	0	0	56
MAY	0	0	0	0	0	15	6	10	0	0	2	13	13	3	0	0	0	0	0	0	0	0	0	62
JUNE	0	0	0	0	0	9	8	7	5	1	7	18	3	2	0	0	0	0	0	0	0	0	0	60
JULY	0	0	0	0	0	15	16	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	0	61
AUGUST	0	0	0	0	0	7	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	14
SEPTEMBR	5	2	0	1	0	5	2	4	10	5	0	3	0	0	0	0	0	0	0	0	0	0	0	37
OCTOBER	4	1	0	1	1	1	4	12	10	10	4	8	1	1	0	2	0	0	0	0	0	0	0	60
NOVEMBER	0	0	0	3	0	2	9	7	5	2	11	7	6	2	2	0	0	0	0	0	0	0	0	56
DECEMBER	0	0	0	1	1	4	3	2	4	3	2	4	2	1	1	1	1	1	0	0	0	0	0	31
TOTAL	23	9	0	16	27	70	81	72	52	47	49	63	26	11	4	4	1	1	3	0	0	0	0	559
PERCENT	4	2	0	3	5	13	14	13	9	8	9	11	5	2	1	1	0	0	1	0	0	0	0	0
CUMULATE	101	97	95	95	92	87	74	60	47	38	30	21	10	5	3	2	1	1	1	0	0	0	0	100

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
JANUARY	0	0	6	2	4	2	2	0	0	4	1	3	0	1	0	1	1	0	1	0	2	1	0	31
FEBRUARY	0	3	1	3	2	1	3	13	3	0	2	2	0	0	0	1	0	0	0	0	0	0	0	34
MARCH	0	10	3	8	4	15	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
APRIL	0	1	9	18	2	15	2	3	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	60
MAY	0	0	0	0	15	6	10	0	0	2	0	13	4	9	2	1	0	0	0	0	0	0	0	62
JUNE	0	0	0	0	9	8	7	5	1	7	10	8	1	2	1	1	0	0	0	0	0	0	0	60
JULY	0	0	0	0	15	16	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	61
AUGUST	0	0	0	0	7	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
SEPTEMBR	2	3	6	1	5	2	4	10	5	0	1	2	0	0	0	0	0	0	0	0	0	0	0	41
OCTOBER	2	2	4	1	1	4	12	10	10	4	5	3	1	0	0	1	0	0	1	1	0	0	0	62
NOVEMBER	0	0	2	2	2	9	7	5	2	11	6	1	5	1	2	0	1	1	0	0	0	0	0	57
DECEMBER	0	0	0	2	4	3	2	4	3	2	2	2	1	1	1	0	1	0	1	0	2	0	0	31
TOTAL	4	19	31	37	70	81	72	52	47	49	29	34	12	14	6	5	3	1	3	1	4	1	0	575
PERCENT	1	3	5	6	12	14	13	9	8	9	5	6	2	2	1	1	1	0	1	0	1	0	0	0
CUMULATE	100	99	96	91	85	73	59	46	37	29	20	15	9	7	5	4	3	2	2	1	1	0	0	100



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DNR'S GIS PROJECT

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

EAST FORK LOUD CREEK
STREAMFLOW DATA

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.40	2.40	2.40	2.40	.	86.441	2074.6	1
2	5.62	5.62	5.62	5.62	.	202.416	4858.0	1
3	4.62	4.62	4.62	4.62	.	166.399	3993.6	1
4	2.46	2.46	2.46	2.46	.	88.602	2126.4	1
5	2.96	2.96	2.96	2.96	.	106.610	2558.6	1
6	1.48	1.48	1.48	1.48	.	53.305	1279.3	1
7	1.27	1.27	1.27	1.27	.	45.742	1097.8	1
8	1.27	1.27	1.27	1.27	.	45.742	1097.8	1
9	2.58	2.58	2.58	2.58	.	92.924	2230.2	1
10	3.47	3.47	3.47	3.47	.	124.979	2999.5	1
11	1.48	1.48	1.48	1.48	.	53.305	1279.3	1
12	2.46	2.46	2.46	2.46	.	88.602	2126.4	1
13	1.32	1.32	1.32	1.32	.	47.542	1141.0	1
14	1.32	1.32	1.32	1.32	.	47.542	1141.0	1
15	2.05	2.05	2.05	2.05	.	73.835	1772.0	1
16	4.55	4.55	4.55	4.55	.	163.877	3933.1	1
17	6.88	6.88	6.88	6.88	.	247.797	5947.1	1
18	4.83	4.83	4.83	4.83	.	173.962	4175.1	1
19	5.84	5.84	5.84	5.84	.	210.339	5048.1	1
20	1.82	1.82	1.82	1.82	.	65.551	1573.2	1
21	1.87	1.87	1.87	1.87	.	67.352	1616.4	1
22	8.28	8.28	8.28	8.28	.	298.221	7157.3	1
23	14.73	14.73	14.73	14.73	.	530.530	12732.7	1
24	15.09	15.09	15.09	15.09	.	543.497	13043.9	1
25	14.55	14.55	14.55	14.55	.	524.047	12577.1	1
26	9.00	9.00	9.00	9.00	.	324.153	7779.7	1
27	7.65	7.65	7.65	7.65	.	275.530	6612.7	1
28	4.97	4.97	4.97	4.97	.	179.004	4296.1	1
29	3.15	3.15	3.15	3.15	.	113.454	2722.9	1
30	5.54	5.54	5.54	5.54	.	199.534	4788.8	1
31	5.04	5.04	5.04	5.04	.	181.526	4356.6	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.67	3.67	3.67	3.67	.	132.182	3172.38	1
2	2.52	2.52	2.52	2.52	.	90.763	2178.31	1
3	2.34	2.34	2.34	2.34	.	84.280	2022.71	1
4	1.70	1.70	1.70	1.70	.	61.229	1469.49	1
5	1.70	1.70	1.70	1.70	.	61.229	1469.49	1
6	3.54	3.54	3.54	3.54	.	127.500	3060.00	1
7	5.18	5.18	5.18	5.18	.	186.568	4477.63	1
8	4.07	4.07	4.07	4.07	.	146.589	3518.14	1
9	1.87	1.87	1.87	1.87	.	67.352	1616.44	1
10	3.60	3.60	3.60	3.60	.	129.661	3111.87	1
11	3.54	3.54	3.54	3.54	.	127.500	3060.00	1
12	3.67	3.67	3.67	3.67	.	132.182	3172.38	1
13	3.60	3.60	3.60	3.60	.	129.661	3111.87	1
14	3.47	3.47	3.47	3.47	.	124.979	2999.50	1
15	3.47	3.47	3.47	3.47	.	124.979	2999.50	1
16	5.76	5.76	5.76	5.76	.	207.458	4978.99	1
17	5.76	5.76	5.76	5.76	.	207.458	4978.99	1
18	5.04	5.04	5.04	5.04	.	181.526	4356.62	1
19	7.57	7.57	7.57	7.57	.	272.649	6543.57	1
20	3.87	3.87	3.87	3.87	.	139.386	3345.26	1
21	3.94	3.94	3.94	3.94	.	141.907	3405.77	1
22	4.00	4.00	4.00	4.00	.	144.068	3457.63	1
23	3.87	3.87	3.87	3.87	.	139.386	3345.26	1
24	2.42	1.16	3.67	2.41	1.77	86.981	2087.55	2
25	3.02	2.16	3.87	3.01	1.21	108.591	2606.19	2
26	2.15	0.82	3.47	2.15	1.87	77.256	1854.16	2
27	2.52	0.82	4.21	2.52	2.40	90.583	2173.99	2
28	2.18	0.82	3.54	2.18	1.92	78.517	1884.41	2
29	3.54	3.54	3.54	3.54	.	127.500	3060.00	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.15	0.82	3.47	2.15	1.87	77.256	1854.16	2
2	2.06	0.72	3.41	2.06	1.90	74.375	1785.00	2
3	2.01	0.68	3.34	2.01	1.88	72.394	1737.46	2
4	2.01	0.68	3.34	2.01	1.88	72.394	1737.46	2
5	1.98	0.68	3.28	1.98	1.84	71.314	1711.53	2
6	1.82	0.68	2.96	1.82	1.61	65.551	1573.22	2
7	2.07	0.87	3.28	2.07	1.70	74.735	1793.65	2
8	2.12	0.96	3.28	2.12	1.64	76.356	1832.54	2
9	1.95	0.82	3.08	1.95	1.60	70.233	1685.60	2
10	1.95	0.82	3.08	1.95	1.60	70.233	1685.60	2
11	2.04	1.01	3.08	2.05	1.46	73.655	1767.71	2
12	2.39	1.70	3.08	2.39	0.98	86.081	2065.94	2
13	2.33	1.59	3.08	2.34	1.05	84.100	2018.39	2
14	2.45	1.87	3.02	2.45	0.81	88.062	2113.48	2
15	2.47	2.05	2.89	2.47	0.59	88.962	2135.09	2
16	2.47	2.05	2.89	2.47	0.59	88.962	2135.09	2
17	2.47	2.05	2.89	2.47	0.59	88.962	2135.09	2
18	2.56	2.10	3.02	2.56	0.65	92.204	2212.88	2
19	2.41	1.93	2.89	2.41	0.68	86.801	2083.22	2
20	2.87	2.77	2.96	2.87	0.13	103.189	2476.53	2
21	3.09	2.89	3.28	3.09	0.28	111.112	2666.70	2
22	3.09	3.02	3.15	3.09	0.09	111.112	2666.70	2
23	3.32	2.64	4.00	3.32	0.96	119.576	2869.83	2
24	2.93	2.89	2.96	2.93	0.05	105.350	2528.39	2
25	3.22	2.89	3.54	3.22	0.46	115.795	2779.07	2
26	2.44	1.99	2.89	2.44	0.64	87.881	2109.16	2
27	2.38	1.99	2.77	2.38	0.55	85.720	2057.29	2
28	2.20	1.82	2.77	2.30	0.67	82.659	1983.82	2
29	2.31	1.59	3.02	2.31	1.01	83.019	1992.46	2
30	2.26	1.37	3.15	2.26	1.26	81.398	1953.56	2
31	2.28	1.48	3.08	2.28	1.13	82.119	1970.85	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.48	1.93	3.02	2.48	0.77	89.142	2139.41	2
2	3.36	2.16	4.55	3.36	1.69	120.837	2900.09	2
3	2.32	1.87	2.77	2.32	0.64	83.559	2005.43	2
4	2.29	1.87	2.71	2.29	0.59	82.479	1979.49	2
5	2.23	1.76	2.71	2.24	0.67	80.498	1931.95	2
6	2.21	1.70	2.71	2.20	0.71	79.417	1906.02	2
7	2.23	1.76	2.71	2.24	0.67	80.498	1931.95	2
8	2.21	1.70	2.71	2.20	0.71	79.417	1906.02	2
9	2.20	1.76	2.64	2.20	0.62	79.237	1901.70	2
10	2.25	1.87	2.64	2.26	0.54	81.218	1949.24	2
11	2.39	1.82	2.96	2.39	0.81	86.081	2065.94	2
12	2.33	1.70	2.96	2.33	0.89	83.920	2014.07	2
13	2.19	1.54	2.83	2.18	0.91	78.697	1888.73	2
14	2.27	1.70	2.83	2.26	0.80	81.579	1957.88	2
15	2.25	1.54	2.96	2.25	1.00	81.038	1944.92	2
16	2.25	1.54	2.96	2.25	1.00	81.038	1944.92	2
17	2.14	1.32	2.96	2.14	1.16	77.076	1849.83	2
18	2.02	0.96	3.08	2.02	1.50	72.754	1746.10	2
19	2.71	1.87	3.54	2.70	1.18	97.426	2338.22	2
20	2.50	1.27	3.73	2.50	1.74	90.043	2161.02	2
21	2.48	1.22	3.73	2.47	1.77	89.142	2139.41	2
22	2.57	1.06	4.07	2.57	2.13	92.384	2217.21	2
23	2.75	1.16	4.34	2.75	2.25	99.047	2377.12	2
24	2.75	1.01	4.48	2.74	2.45	98.867	2372.80	2
25	3.07	1.16	4.97	3.07	2.69	110.392	2649.41	2
26	3.24	1.37	5.11	3.24	2.64	116.695	2800.68	2
27	3.26	1.48	5.04	3.26	2.52	117.415	2817.97	2
28	3.21	1.59	4.83	3.21	2.29	115.615	2774.75	2
29	3.38	1.99	4.76	3.38	1.96	121.557	2917.38	2
30	3.47	2.10	4.83	3.47	1.93	124.799	2995.17	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.56	2.22	4.90	3.56	1.90	128.221	3077.29	2
2	3.56	2.22	4.90	3.56	1.90	128.221	3077.29	2
3	4.02	2.05	5.98	4.01	2.78	144.608	3470.60	2
4	4.32	2.05	6.58	4.32	3.20	155.413	3729.92	2
5	4.62	2.05	7.19	4.62	3.63	166.399	3993.56	2
6	4.84	2.10	7.57	4.84	3.87	174.142	4179.41	2
7	4.71	2.22	7.19	4.70	3.51	169.460	4067.04	2
8	4.65	2.34	6.96	4.65	3.27	167.479	4019.50	2
9	4.57	2.40	6.73	4.56	3.06	164.418	3946.02	2
10	4.68	2.40	6.96	4.68	3.22	168.560	4045.43	2
11	4.61	2.34	6.88	4.61	3.21	166.038	3984.92	2
12	4.43	2.28	6.58	4.43	3.04	159.555	3829.33	2
13	4.28	2.34	6.21	4.28	2.74	153.973	3695.34	2
14	4.06	2.28	5.84	4.06	2.52	146.229	3509.50	2
15	3.95	2.28	5.62	3.95	2.36	142.267	3414.41	2
16	4.09	2.64	5.54	4.09	2.05	147.310	3535.43	2
17	4.25	2.96	5.54	4.25	1.82	153.072	3673.73	2
18	4.39	3.15	5.62	4.38	1.75	157.935	3790.43	2
19	4.39	3.15	5.62	4.38	1.75	157.935	3790.43	2
20	4.39	3.08	5.69	4.38	1.85	157.935	3790.43	2
21	4.35	3.15	5.54	4.34	1.69	156.494	3755.85	2
22	4.55	3.34	5.76	4.55	1.71	163.877	3933.06	2
23	4.55	3.41	5.69	4.55	1.61	163.877	3933.06	2
24	4.74	3.34	6.13	4.74	1.97	170.540	4092.97	2
25	5.11	3.34	6.88	5.11	2.50	184.047	4417.12	2
26	5.12	3.28	6.96	5.12	2.60	184.407	4425.77	2
27	4.84	3.02	6.65	4.84	2.57	174.142	4179.41	2
28	4.59	2.89	6.28	4.59	2.40	165.138	3963.31	2
29	4.42	2.71	6.13	4.42	2.42	159.195	3820.68	2
30	4.31	2.64	5.98	4.31	2.36	155.233	3725.60	2
31	4.13	2.64	5.62	4.13	2.11	148.750	3570.01	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	4.07	2.52	5.62	4.07	2.19	146.589	3518.14	2
2	3.96	2.52	5.40	3.96	2.04	142.627	3423.06	2
3	4.18	2.96	5.40	4.18	1.73	150.551	3613.23	2
4	4.60	3.80	5.40	4.60	1.13	165.678	3976.28	2
5	4.67	4.00	5.33	4.66	0.94	168.019	4032.46	2
6	4.60	3.87	5.33	4.60	1.03	165.678	3976.28	2
7	4.65	3.54	5.76	4.65	1.57	167.479	4019.50	2
8	4.79	3.73	5.84	4.78	1.49	172.341	4136.19	2
9	4.79	3.73	5.84	4.78	1.49	172.341	4136.19	2
10	4.63	3.41	5.84	4.63	1.72	166.579	3997.89	2
11	4.41	3.28	5.54	4.41	1.60	158.835	3812.04	2
12	4.28	3.08	5.47	4.28	1.69	153.973	3695.34	2
13	4.84	3.02	6.65	4.84	2.57	174.142	4179.41	2
14	5.31	2.89	7.73	5.31	3.42	191.250	4590.01	2
15	5.11	2.96	7.26	5.11	3.04	184.047	4417.12	2
16	5.02	3.15	6.88	5.01	2.64	180.625	4335.01	2
17	4.68	3.08	6.28	4.68	2.26	168.560	4045.43	2
18	4.53	3.08	5.98	4.53	2.05	163.157	3915.77	2
19	4.26	2.83	5.69	4.26	2.02	153.432	3682.38	2
20	4.02	2.71	5.33	4.02	1.85	144.788	3474.92	2
21	3.95	2.64	5.26	3.95	1.85	142.267	3414.41	2
22	3.82	2.46	5.18	3.82	1.92	137.585	3302.04	2
23	3.79	2.46	5.11	3.78	1.87	136.324	3271.78	2
24	3.62	2.34	4.90	3.62	1.81	130.382	3129.16	2
25	3.56	2.28	4.83	3.55	1.80	128.040	3072.97	2
26	3.49	2.28	4.69	3.48	1.70	125.519	3012.46	2
27	3.37	2.05	4.69	3.37	1.87	121.377	2913.05	2
28	3.34	2.05	4.62	3.34	1.82	120.117	2882.80	2
29	3.37	2.05	4.69	3.37	1.87	121.377	2913.05	2
30	3.42	2.22	4.62	3.42	1.70	123.178	2956.28	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.30	2.05	4.55	3.30	1.77	118.856	2852.55	2
2	3.27	2.05	4.48	3.26	1.72	117.596	2822.29	2
3	3.42	2.22	4.62	3.42	1.70	123.178	2956.28	2
4	3.44	2.40	4.48	3.44	1.47	123.898	2973.56	2
5	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
6	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
7	3.40	2.46	4.34	3.40	1.33	122.458	2938.99	2
8	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
9	3.72	2.89	4.55	3.72	1.17	133.983	3215.60	2
10	3.76	2.96	4.55	3.76	1.12	135.244	3245.85	2
11	3.76	2.96	4.55	3.76	1.12	135.244	3245.85	2
12	3.79	2.89	4.69	3.79	1.27	136.504	3276.11	2
13	3.74	2.71	4.76	3.74	1.45	134.523	3228.56	2
14	3.70	2.64	4.76	3.70	1.50	133.263	3198.31	2
15	3.60	2.58	4.62	3.60	1.44	129.661	3111.87	2
16	3.54	2.46	4.62	3.54	1.53	127.500	3060.00	2
17	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
18	3.54	2.46	4.62	3.54	1.53	127.500	3060.00	2
19	3.47	2.46	4.48	3.47	1.43	124.979	2999.50	2
20	3.47	2.46	4.48	3.47	1.43	124.979	2999.50	2
21	3.76	2.83	4.69	3.76	1.32	135.424	3250.17	2
22	3.55	2.83	4.27	3.55	1.02	127.860	3068.65	2
23	3.58	2.89	4.27	3.58	0.98	128.941	3094.58	2
24	3.76	2.96	4.55	3.76	1.12	135.244	3245.85	2
25	3.62	2.89	4.34	3.62	1.03	130.201	3124.83	2
26	3.62	2.83	4.41	3.62	1.12	130.382	3129.16	2
27	3.46	2.71	4.21	3.46	1.06	124.619	2990.85	2
28	3.56	2.64	4.48	3.56	1.30	128.221	3077.29	2
29	3.50	2.52	4.48	3.50	1.39	126.060	3025.43	2
30	3.44	2.46	4.41	3.43	1.38	123.718	2969.24	2
31	2.46	2.46	2.46	2.46	.	88.602	2126.44	1

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EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.28	2.28	2.28	2.28	.	82.119	1970.85	1
2	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
3	2.34	2.34	2.34	2.34	.	84.280	2022.71	1
4	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
5	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
6	2.46	2.46	2.46	2.46	.	88.602	2126.44	1
7	2.40	2.40	2.40	2.40	.	86.441	2074.58	1
8	3.08	3.08	3.08	3.08	.	110.932	2662.38	1
9	4.07	4.07	4.07	4.07	.	146.589	3518.14	1
10	4.55	4.55	4.55	4.55	.	163.877	3933.06	1
11	4.41	4.41	4.41	4.41	.	158.835	3812.04	1
12	3.94	3.94	3.94	3.94	.	141.907	3405.77	1
13	3.41	3.41	3.41	3.41	.	122.818	2947.63	1
14	3.28	3.28	3.28	3.28	.	118.136	2835.26	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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
10	1.32	1.32	1.32	1.32	.	47.542	1141.02	1
11	1.92	0.96	2.89	1.93	1.36	69.333	1663.99	2
12	2.33	1.37	3.28	2.32	1.35	83.740	2009.75	2
13	2.88	2.16	3.60	2.88	1.02	103.729	2489.50	2
14	2.48	0.96	4.00	2.48	2.15	89.322	2143.73	2
15	2.87	1.59	4.14	2.87	1.80	103.189	2476.53	2
16	2.57	1.06	4.07	2.57	2.13	92.384	2217.21	2
17	2.38	0.82	3.94	2.38	2.21	85.720	2057.29	2
18	4.39	3.73	5.04	4.38	0.93	157.935	3790.43	2
19	4.64	3.73	5.54	4.63	1.28	166.939	4006.53	2
20	3.53	2.58	4.48	3.53	1.34	127.140	3051.36	2
21	1.61	0.19	3.02	1.61	2.00	57.807	1387.37	2
22	2.21	1.22	3.21	2.22	1.41	79.778	1914.66	2
23	4.31	3.08	5.54	4.31	1.74	155.233	3725.60	2
24	2.95	2.22	3.67	2.95	1.03	106.070	2545.68	2
25	2.02	0.09	3.94	2.01	2.72	72.574	1741.78	2
26	2.37	1.01	3.73	2.37	1.92	85.360	2048.65	2
27	2.92	2.10	3.73	2.91	1.15	104.990	2519.75	2
28	2.98	2.28	3.67	2.97	0.98	107.151	2571.61	2
29	2.69	1.37	4.00	2.68	1.86	96.706	2320.94	2
30	2.97	2.40	3.54	2.97	0.81	106.970	2567.29	2

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EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.31	3.21	3.41	3.31	0.14	119.216	2861.19	2
2	3.64	3.34	3.94	3.64	0.42	131.102	3146.45	2
3	3.68	3.21	4.14	3.68	0.66	132.362	3176.70	2
4	3.25	2.89	3.60	3.25	0.50	116.875	2805.00	2
5	2.83	2.83	2.83	2.83	0.00	101.928	2446.27	2
6	1.69	0.22	3.15	1.68	2.07	60.689	1456.53	2
7	1.79	0.50	3.08	1.79	1.82	64.470	1547.29	2
8	3.82	3.15	4.48	3.81	0.94	137.405	3297.72	2
9	4.84	4.14	5.54	4.84	0.99	174.322	4183.73	2
10	5.36	5.18	5.54	5.36	0.25	193.051	4633.23	2
11	5.19	5.04	5.33	5.18	0.21	186.748	4481.96	2
12	5.23	4.76	5.69	5.22	0.66	188.189	4516.53	2
13	2.91	1.27	4.55	2.91	2.32	104.809	2515.43	2
14	4.74	4.21	5.26	4.74	0.74	170.540	4092.97	2
15	3.39	2.83	3.94	3.38	0.78	121.918	2926.02	2
16	1.98	0.42	3.54	1.98	2.21	71.314	1711.53	2
17	2.65	1.82	3.47	2.64	1.17	95.265	2286.36	2
18	3.51	3.08	3.94	3.51	0.61	126.420	3034.07	2
19	3.99	3.28	4.69	3.98	1.00	143.528	3444.67	2
20	2.21	1.01	3.41	2.21	1.70	79.598	1910.34	2
21	2.95	2.22	3.67	2.95	1.03	106.070	2545.68	2
22	2.66	1.37	3.94	2.65	1.82	95.625	2295.00	2
23	4.44	3.41	5.47	4.44	1.46	159.915	3837.97	2
24	6.45	3.73	9.16	6.44	3.84	232.130	5571.11	2
25	5.70	3.67	7.73	5.70	2.87	205.297	4927.13	2
26	7.04	4.34	9.73	7.03	3.81	253.380	6081.11	2
27	5.28	4.34	6.21	5.28	1.32	189.990	4559.75	2
28	4.42	4.21	4.62	4.41	0.29	159.015	3816.36	2
29	3.94	3.54	4.34	3.94	0.57	141.907	3405.77	2
30	2.85	1.43	4.27	2.85	2.01	102.648	2463.56	2
31	2.41	0.82	4.00	2.41	2.25	86.801	2083.22	2

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,E=85%,Q=FLOW & P=QHE/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	2.27	1.59	2.96	2.28	0.97	81.939	1966.53	2
2	3.46	2.58	4.34	3.46	1.24	124.619	2990.85	2
3	4.10	3.02	5.18	4.10	1.53	147.670	3544.07	2
4	5.84	3.47	8.20	5.84	3.34	210.159	5043.82	2
5	3.61	3.21	4.00	3.61	0.56	129.841	3116.19	2
6	3.92	3.28	4.55	3.91	0.90	141.007	3384.16	2
7	4.12	3.47	4.76	4.12	0.91	148.210	3557.04	2
8	2.08	1.32	2.83	2.07	1.07	74.735	1793.65	2
9	2.27	1.59	2.96	2.28	0.97	81.939	1966.53	2
10	2.99	2.64	3.34	2.99	0.49	107.691	2584.58	2
11	2.93	2.64	3.21	2.93	0.40	105.350	2528.39	2
12	3.09	2.58	3.60	3.09	0.72	111.293	2671.02	2
13	3.49	2.28	4.69	3.48	1.70	125.519	3012.46	2
14	3.37	1.48	5.26	3.37	2.67	121.377	2913.05	2
15	4.09	2.05	6.13	4.09	2.88	147.310	3535.43	2
16	6.70	6.28	7.11	6.69	0.59	241.134	5787.21	2
17	6.51	6.28	6.73	6.50	0.32	234.291	5622.97	2
18	7.93	7.26	8.60	7.93	0.95	285.615	6854.76	2
19	6.25	6.21	6.28	6.24	0.05	224.926	5398.23	2
20	5.44	4.90	5.98	5.44	0.76	195.932	4702.38	2
21	5.40	5.33	5.47	5.40	0.10	194.492	4667.80	2
22	4.39	3.67	5.11	4.39	1.02	158.115	3794.75	2
23	4.28	3.80	4.76	4.28	0.68	154.153	3699.67	2
24	4.28	3.87	4.69	4.28	0.58	154.153	3699.67	2
25	4.80	4.62	4.97	4.80	0.25	172.702	4144.84	2
26	4.21	3.87	4.55	4.21	0.48	151.632	3639.16	2
27	3.85	2.58	5.11	3.84	1.79	138.485	3323.65	2
28	2.83	2.83	2.83	2.83	.	101.928	2446.27	1
29	4.55	4.55	4.55	4.55	.	163.877	3933.06	1
30	4.62	4.62	4.62	4.62	.	166.399	3993.56	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
MEAN DAILY DISCHARGE SUMMARY
H=500FT,E=85%,Q=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	5.98	5.98	5.98	5.98	.	215.382	5169.2	1
2	4.62	4.62	4.62	4.62	.	166.399	3993.6	1
3	4.14	4.14	4.14	4.14	.	149.110	3578.6	1
4	3.87	3.87	3.87	3.87	.	139.386	3345.3	1
5	4.69	4.69	4.69	4.69	.	168.920	4054.1	1
6	3.73	3.73	3.73	3.73	.	134.343	3224.2	1
7	2.46	2.46	2.46	2.46	.	88.602	2126.4	1
8	1.99	1.99	1.99	1.99	.	71.674	1720.2	1
9	2.77	2.77	2.77	2.77	.	99.767	2394.4	1
10	2.96	2.96	2.96	2.96	.	106.610	2558.6	1
11	5.33	5.33	5.33	5.33	.	191.971	4607.3	1
12	7.26	7.26	7.26	7.26	.	261.483	6275.6	1
13	3.28	3.28	3.28	3.28	.	118.136	2835.3	1
14	2.40	2.40	2.40	2.40	.	86.441	2074.6	1
15	1.59	1.59	1.59	1.59	.	57.267	1374.4	1
16	2.83	2.83	2.83	2.83	.	101.928	2446.3	1
17	2.28	2.28	2.28	2.28	.	82.119	1970.9	1
18	3.28	3.28	3.28	3.28	.	118.136	2835.3	1
19	3.73	3.73	3.73	3.73	.	134.343	3224.2	1
20	9.40	9.40	9.40	9.40	.	338.560	8125.4	1
21	10.98	10.98	10.98	10.98	.	395.467	9491.2	1
22	4.07	4.07	4.07	4.07	.	146.589	3518.1	1
23	2.34	2.34	2.34	2.34	.	84.280	2022.7	1
24	6.35	6.35	6.35	6.35	.	228.708	5489.0	1
25	12.09	12.09	12.09	12.09	.	435.446	10450.7	1
26	8.04	8.04	8.04	8.04	.	289.577	6949.8	1
27	4.00	4.00	4.00	4.00	.	144.068	3457.6	1
28	3.73	3.73	3.73	3.73	.	134.343	3224.2	1
29	5.98	5.98	5.98	5.98	.	215.382	5169.2	1
30	6.73	6.73	6.73	6.73	.	242.394	5817.5	1
31	5.04	5.04	5.04	5.04	.	181.526	4356.6	1

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN MONTHLY DISCHARGE SUMMARY
H=500FT,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	4.86	1.27	15.09	3.47	3.96	174.915	127786	31
FEBRUARY	3.41	0.82	7.57	3.57	1.49	122.701	89641	34
MARCH	2.39	0.68	4.00	2.89	0.94	86.179	62959	62
APRIL	2.57	0.96	5.11	2.40	1.19	92.396	67501	60
MAY	4.42	2.05	7.57	4.15	1.87	159.189	116297	62
JUNE	4.24	2.05	7.73	4.31	1.51	152.562	111456	60
JULY	3.53	2.05	4.76	2.96	0.98	127.187	92918	61
AUGUST	3.10	2.28	4.55	2.77	0.84	111.704	81607	14
SEPTEMBR	2.81	0.09	5.54	3.08	1.43	101.260	73977	41
OCTOBER	3.81	0.22	9.73	3.70	1.78	137.178	100217	62
NOVEMBER	4.27	1.32	8.60	4.34	1.67	153.698	112285	57
DECEMBER	4.77	1.59	12.09	4.00	2.60	171.882	125570	31

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
MEAN QUARTERLY DISCHARGE SUMMARY
H=500FT,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	3.27	0.68	15.09	2.96	2.40	117.617	257757	127
SECOND_QUARTER	3.75	0.96	7.73	3.11	1.75	134.985	295819	182
THIRD_QUARTER	3.23	0.09	5.54	3.05	1.18	116.155	254553	116
FOURTH_QUARTER	4.18	0.22	12.09	3.94	1.96	150.628	330101	150

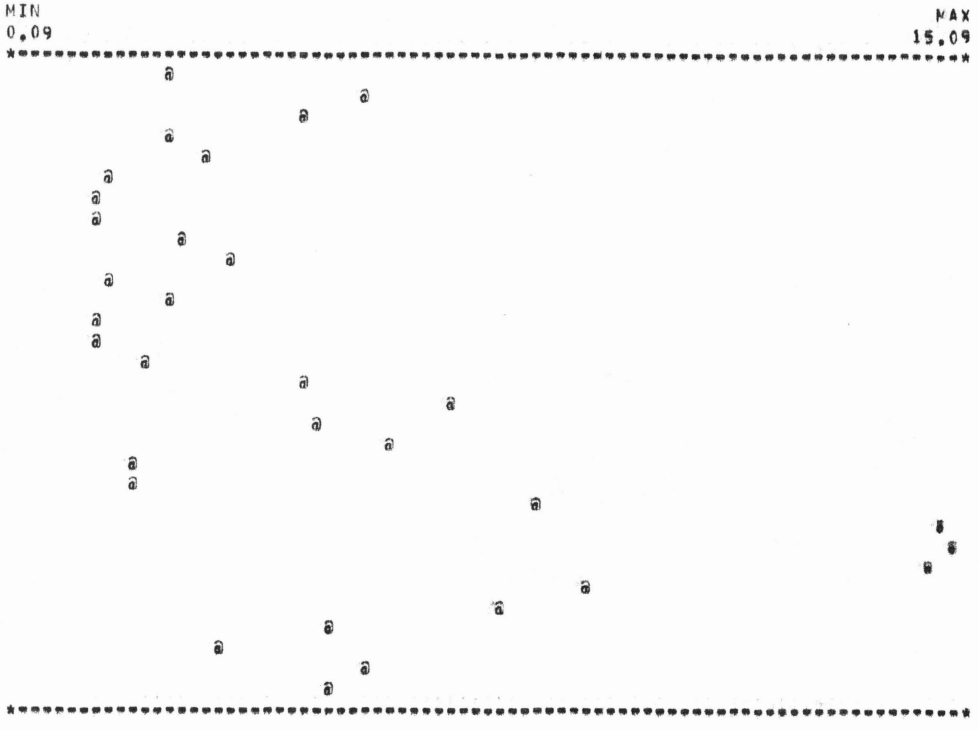
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
OVERALL MEAN DISCHARGE
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

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	3.65	0.09	15.09	3.28	1.91	131.431	1152122	575

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=JANUARY

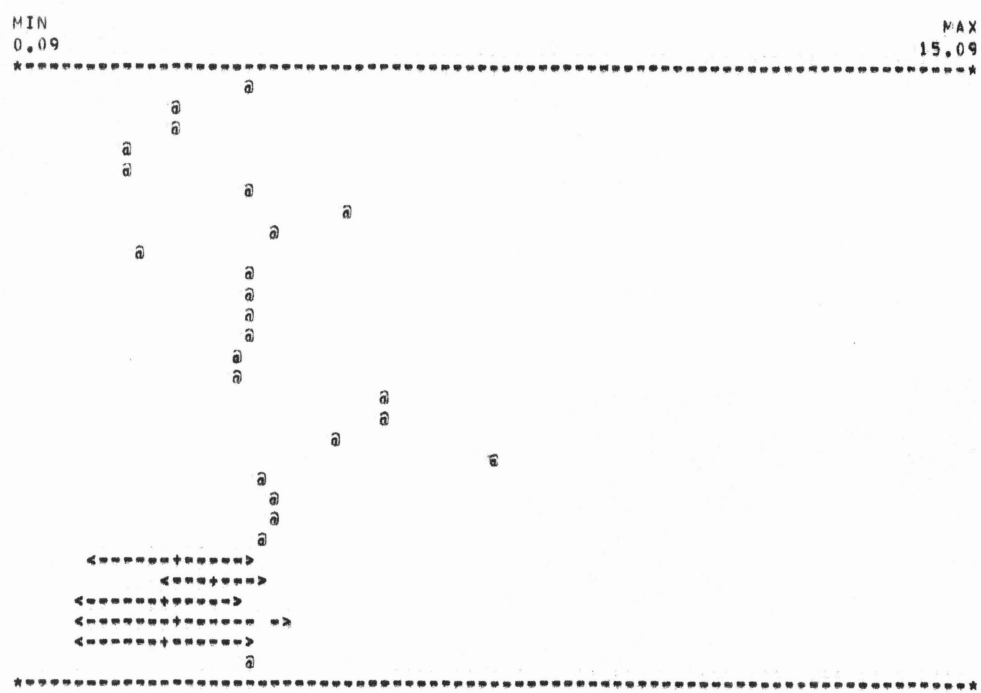
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	1	2.40	2.40	2.40
JANUARY	2	5.62	5.62	5.62
JANUARY	3	4.62	4.62	4.62
JANUARY	4	2.46	2.46	2.46
JANUARY	5	2.96	2.96	2.96
JANUARY	6	1.48	1.48	1.48
JANUARY	7	1.27	1.27	1.27
JANUARY	8	1.27	1.27	1.27
JANUARY	9	2.58	2.58	2.58
JANUARY	10	3.47	3.47	3.47
JANUARY	11	1.48	1.48	1.48
JANUARY	12	2.46	2.46	2.46
JANUARY	13	1.32	1.32	1.32
JANUARY	14	1.32	1.32	1.32
JANUARY	15	2.05	2.05	2.05
JANUARY	16	4.55	4.55	4.55
JANUARY	17	6.88	6.88	6.88
JANUARY	18	4.83	4.83	4.83
JANUARY	19	5.84	5.84	5.84
JANUARY	20	1.82	1.82	1.82
JANUARY	21	1.87	1.87	1.87
JANUARY	22	8.28	8.28	8.28
JANUARY	23	14.73	14.73	14.73
JANUARY	24	15.09	15.09	15.09
JANUARY	25	14.55	14.55	14.55
JANUARY	26	9.00	9.00	9.00
JANUARY	27	7.65	7.65	7.65
JANUARY	28	4.97	4.97	4.97
JANUARY	29	3.15	3.15	3.15
JANUARY	30	5.54	5.54	5.54
JANUARY	31	5.04	5.04	5.04



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=FEBRUARY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FEBRUARY	1	3.67	3.67	3.67
FEBRUARY	2	2.52	2.52	2.52
FEBRUARY	3	2.34	2.34	2.34
FEBRUARY	4	1.70	1.70	1.70
FEBRUARY	5	1.70	1.70	1.70
FEBRUARY	6	3.54	3.54	3.54
FEBRUARY	7	5.18	5.18	5.18
FEBRUARY	8	4.07	4.07	4.07
FEBRUARY	9	1.87	1.87	1.87
FEBRUARY	10	3.60	3.60	3.60
FEBRUARY	11	3.54	3.54	3.54
FEBRUARY	12	3.67	3.67	3.67
FEBRUARY	13	3.60	3.60	3.60
FEBRUARY	14	3.47	3.47	3.47
FEBRUARY	15	3.47	3.47	3.47
FEBRUARY	16	5.76	5.76	5.76
FEBRUARY	17	5.76	5.76	5.76
FEBRUARY	18	5.04	5.04	5.04
FEBRUARY	19	7.57	7.57	7.57
FEBRUARY	20	3.87	3.87	3.87
FEBRUARY	21	3.94	3.94	3.94
FEBRUARY	22	4.00	4.00	4.00
FEBRUARY	23	3.87	3.87	3.87
FEBRUARY	24	2.42	3.67	1.16
FEBRUARY	25	3.02	3.87	2.16
FEBRUARY	26	2.15	3.47	0.82
FEBRUARY	27	2.52	4.21	0.82
FEBRUARY	28	2.18	3.54	0.82
FEBRUARY	29	3.54	3.54	3.54



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

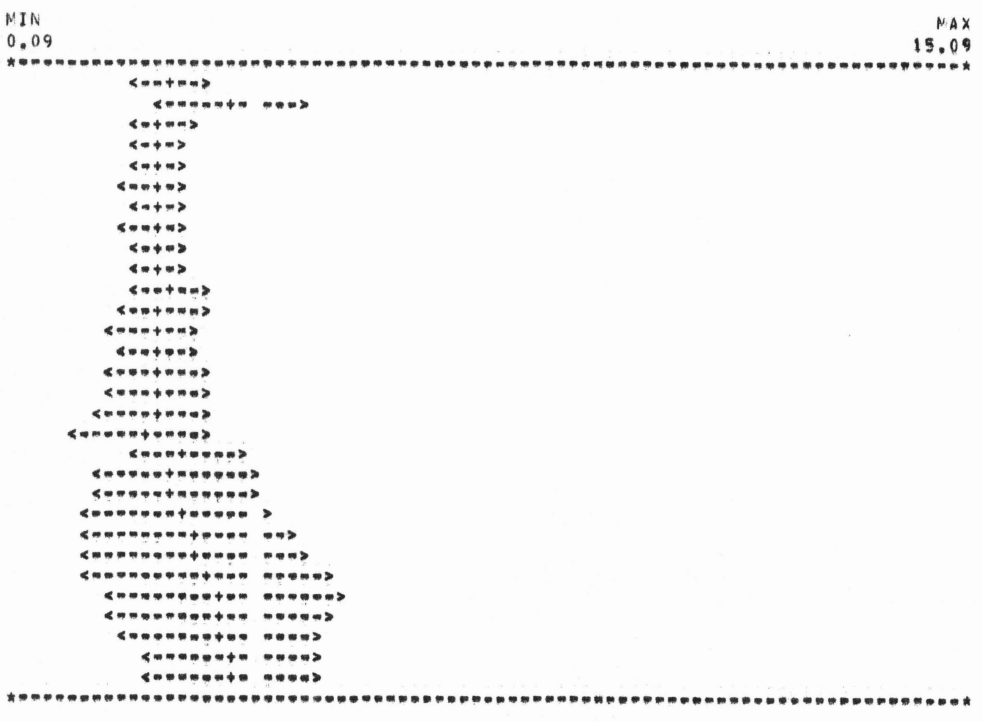
MONTH=MARCH

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MARCH	1	2.15	3.47	0.82
MARCH	2	2.06	3.41	0.72
MARCH	3	2.01	3.34	0.68
MARCH	4	2.01	3.34	0.68
MARCH	5	1.98	3.28	0.68
MARCH	6	1.82	2.96	0.68
MARCH	7	2.07	3.28	0.87
MARCH	8	2.12	3.28	0.96
MARCH	9	1.95	3.08	0.82
MARCH	10	1.95	3.08	0.82
MARCH	11	2.04	3.08	1.01
MARCH	12	2.39	3.08	1.70
MARCH	13	2.33	3.08	1.59
MARCH	14	2.45	3.02	1.87
MARCH	15	2.47	2.89	2.05
MARCH	16	2.47	2.89	2.05
MARCH	17	2.47	2.89	2.05
MARCH	18	2.56	3.02	2.10
MARCH	19	2.41	2.89	1.93
MARCH	20	2.87	2.96	2.77
MARCH	21	3.09	3.28	2.89
MARCH	22	3.09	3.15	3.02
MARCH	23	3.32	4.00	2.64
MARCH	24	2.93	2.96	2.89
MARCH	25	3.22	3.54	2.89
MARCH	26	2.44	2.89	1.99
MARCH	27	2.38	2.77	1.99
MARCH	28	2.20	2.77	1.82
MARCH	29	2.31	3.02	1.59
MARCH	30	2.26	3.15	1.37
MARCH	31	2.28	3.08	1.48

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=APRIL

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
APRIL	1	2.48	3.02	1.93
APRIL	2	3.36	4.55	2.16
APRIL	3	2.32	2.77	1.87
APRIL	4	2.29	2.71	1.87
APRIL	5	2.23	2.71	1.76
APRIL	6	2.21	2.71	1.70
APRIL	7	2.23	2.71	1.76
APRIL	8	2.21	2.71	1.70
APRIL	9	2.20	2.64	1.76
APRIL	10	2.25	2.64	1.87
APRIL	11	2.39	2.96	1.82
APRIL	12	2.33	2.96	1.70
APRIL	13	2.19	2.83	1.54
APRIL	14	2.27	2.83	1.70
APRIL	15	2.25	2.96	1.54
APRIL	16	2.25	2.96	1.54
APRIL	17	2.14	2.96	1.32
APRIL	18	2.02	3.08	0.96
APRIL	19	2.71	3.54	1.87
APRIL	20	2.50	3.73	1.27
APRIL	21	2.48	3.73	1.22
APRIL	22	2.57	4.07	1.06
APRIL	23	2.75	4.34	1.16
APRIL	24	2.75	4.48	1.01
APRIL	25	3.07	4.97	1.16
APRIL	26	3.24	5.11	1.37
APRIL	27	3.26	5.04	1.48
APRIL	28	3.21	4.83	1.59
APRIL	29	3.38	4.76	1.99
APRIL	30	3.47	4.83	2.10



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

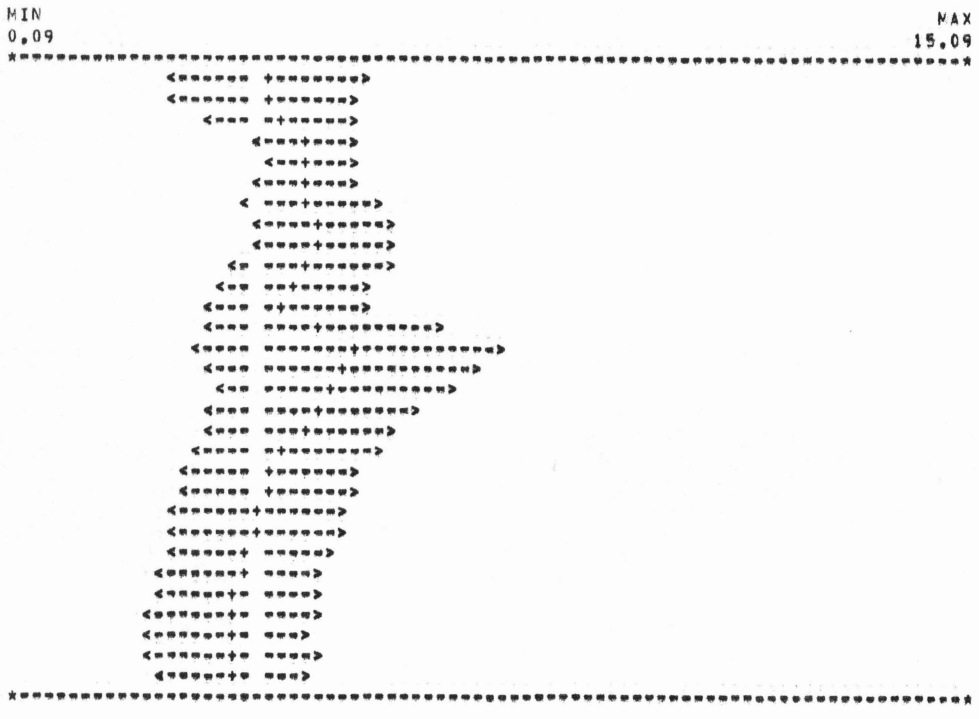
MONTH=MAY

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MAY	1	3.56	4.90	2.22
MAY	2	3.56	4.90	2.22
MAY	3	4.02	5.98	2.05
MAY	4	4.32	6.58	2.05
MAY	5	4.62	7.19	2.05
MAY	6	4.84	7.57	2.10
MAY	7	4.71	7.19	2.22
MAY	8	4.65	6.96	2.34
MAY	9	4.57	6.73	2.40
MAY	10	4.68	6.96	2.40
MAY	11	4.61	6.88	2.34
MAY	12	4.43	6.58	2.28
MAY	13	4.28	6.21	2.34
MAY	14	4.06	5.84	2.28
MAY	15	3.95	5.62	2.28
MAY	16	4.09	5.54	2.64
MAY	17	4.25	5.54	2.96
MAY	18	4.39	5.62	3.15
MAY	19	4.39	5.62	3.15
MAY	20	4.39	5.69	3.08
MAY	21	4.35	5.54	3.15
MAY	22	4.55	5.76	3.34
MAY	23	4.55	5.69	3.41
MAY	24	4.74	6.13	3.34
MAY	25	5.11	6.88	3.34
MAY	26	5.12	6.96	3.28
MAY	27	4.84	6.65	3.02
MAY	28	4.59	6.28	2.89
MAY	29	4.42	6.13	2.71
MAY	30	4.31	5.98	2.64
MAY	31	4.13	5.62	2.64

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=JUNE

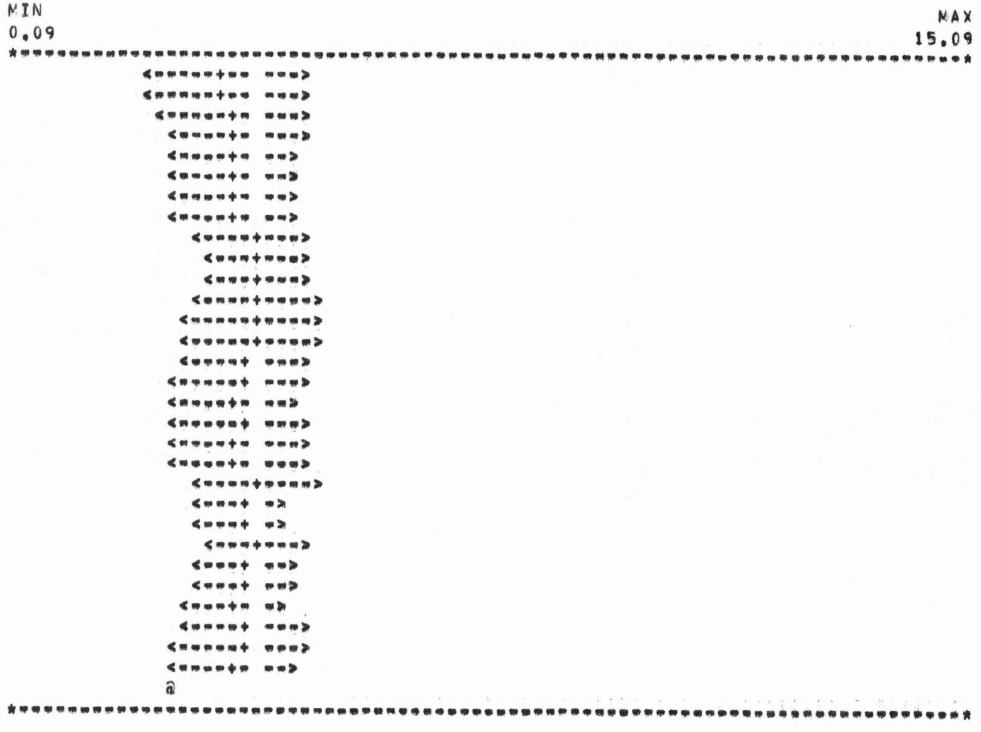
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JUNE	1	4.07	5.62	2.52
JUNE	2	3.96	5.40	2.52
JUNE	3	4.18	5.40	2.96
JUNE	4	4.60	5.40	3.80
JUNE	5	4.67	5.33	4.00
JUNE	6	4.60	5.33	3.87
JUNE	7	4.65	5.76	3.54
JUNE	8	4.79	5.84	3.73
JUNE	9	4.79	5.84	3.73
JUNE	10	4.63	5.84	3.41
JUNE	11	4.41	5.54	3.28
JUNE	12	4.28	5.47	3.08
JUNE	13	4.84	6.65	3.02
JUNE	14	5.31	7.73	2.89
JUNE	15	5.11	7.26	2.96
JUNE	16	5.02	6.88	3.15
JUNE	17	4.68	6.28	3.08
JUNE	18	4.53	5.98	3.08
JUNE	19	4.26	5.69	2.83
JUNE	20	4.02	5.33	2.71
JUNE	21	3.95	5.26	2.64
JUNE	22	3.82	5.18	2.46
JUNE	23	3.79	5.11	2.46
JUNE	24	3.62	4.90	2.34
JUNE	25	3.56	4.83	2.28
JUNE	26	3.49	4.69	2.28
JUNE	27	3.37	4.69	2.05
JUNE	28	3.34	4.62	2.05
JUNE	29	3.37	4.69	2.05
JUNE	30	3.42	4.62	2.22



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=JULY

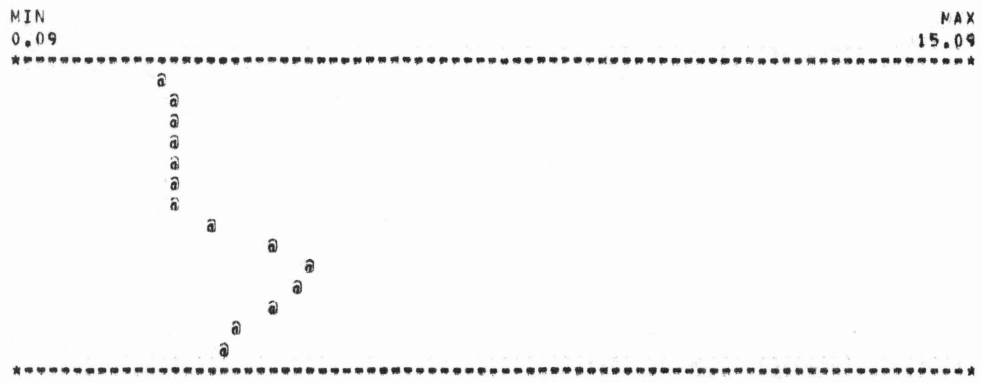
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JULY	1	3.30	4.55	2.05
JULY	2	3.27	4.48	2.05
JULY	3	3.42	4.62	2.22
JULY	4	3.44	4.48	2.40
JULY	5	3.44	4.41	2.46
JULY	6	3.44	4.41	2.46
JULY	7	3.40	4.34	2.46
JULY	8	3.44	4.41	2.46
JULY	9	3.72	4.55	2.89
JULY	10	3.76	4.55	2.96
JULY	11	3.76	4.55	2.96
JULY	12	3.79	4.69	2.89
JULY	13	3.74	4.76	2.71
JULY	14	3.70	4.76	2.64
JULY	15	3.60	4.62	2.58
JULY	16	3.54	4.62	2.46
JULY	17	3.44	4.41	2.46
JULY	18	3.54	4.62	2.46
JULY	19	3.47	4.48	2.46
JULY	20	3.47	4.48	2.46
JULY	21	3.76	4.69	2.83
JULY	22	3.55	4.27	2.83
JULY	23	3.58	4.27	2.89
JULY	24	3.76	4.55	2.96
JULY	25	3.62	4.34	2.89
JULY	26	3.62	4.41	2.83
JULY	27	3.46	4.21	2.71
JULY	28	3.56	4.48	2.64
JULY	29	3.50	4.48	2.52
JULY	30	3.44	4.41	2.46
JULY	31	2.46	2.46	2.46



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=AUGUST

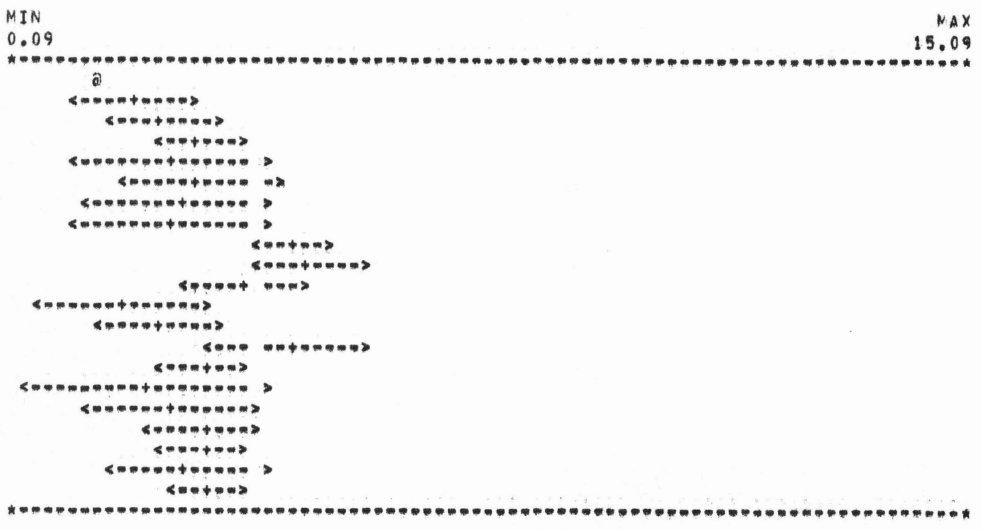
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
AUGUST	1	2.28	2.28	2.28
AUGUST	2	2.40	2.40	2.40
AUGUST	3	2.34	2.34	2.34
AUGUST	4	2.40	2.40	2.40
AUGUST	5	2.40	2.40	2.40
AUGUST	6	2.46	2.46	2.46
AUGUST	7	2.40	2.40	2.40
AUGUST	8	3.08	3.08	3.08
AUGUST	9	4.07	4.07	4.07
AUGUST	10	4.55	4.55	4.55
AUGUST	11	4.41	4.41	4.41
AUGUST	12	3.94	3.94	3.94
AUGUST	13	3.41	3.41	3.41
AUGUST	14	3.28	3.28	3.28



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=SEPTEMBR

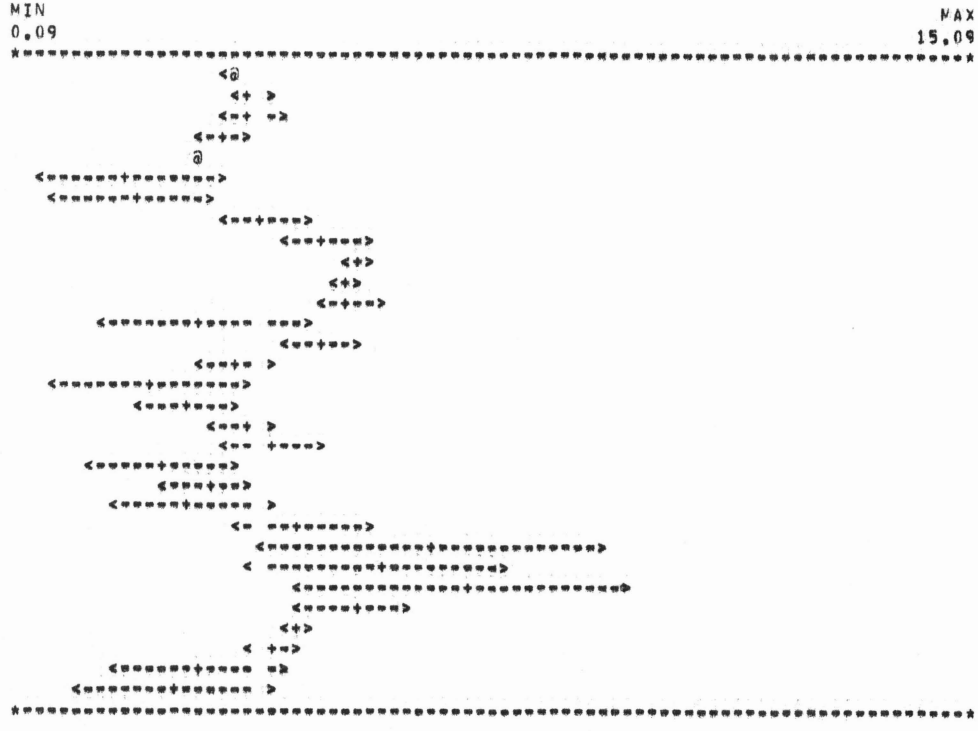
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
SEPTEMBR	10	1.32	1.32	1.32
SEPTEMBR	11	1.92	2.89	0.96
SEPTEMBR	12	2.33	3.28	1.37
SEPTEMBR	13	2.88	3.60	2.16
SEPTEMBR	14	2.48	4.00	0.96
SEPTEMBR	15	2.87	4.14	1.59
SEPTEMBR	16	2.57	4.07	1.06
SEPTEMBR	17	2.38	3.94	0.82
SEPTEMBR	18	4.39	5.04	3.73
SEPTEMBR	19	4.64	5.54	3.73
SEPTEMBR	20	3.53	4.48	2.58
SEPTEMBR	21	1.61	3.02	0.19
SEPTEMBR	22	2.21	3.21	1.22
SEPTEMBR	23	4.31	5.54	3.08
SEPTEMBR	24	2.95	3.67	2.22
SEPTEMBR	25	2.02	3.94	0.09
SEPTEMBR	26	2.37	3.73	1.01
SEPTEMBR	27	2.92	3.73	2.10
SEPTEMBR	28	2.98	3.67	2.28
SEPTEMBR	29	2.69	4.00	1.37
SEPTEMBR	30	2.97	3.54	2.40



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=OCTOBER

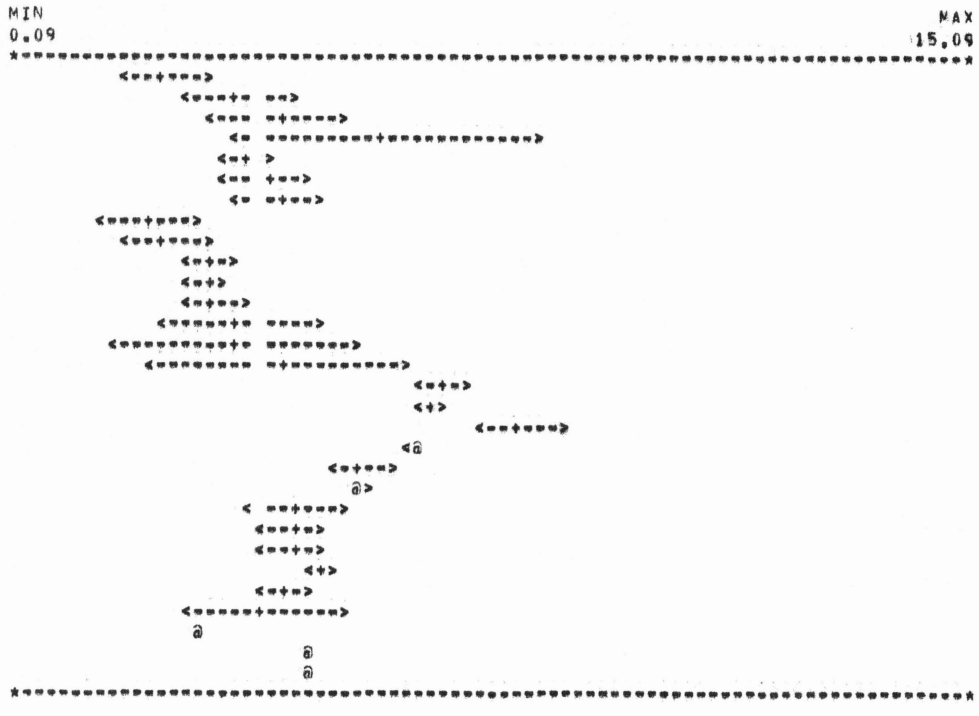
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
OCTOBER	1	3.31	3.41	3.21
OCTOBER	2	3.64	3.94	3.34
OCTOBER	3	3.68	4.14	3.21
OCTOBER	4	3.25	3.60	2.89
OCTOBER	5	2.83	2.83	2.83
OCTOBER	6	1.69	3.15	0.22
OCTOBER	7	1.79	3.08	0.50
OCTOBER	8	3.82	4.48	3.15
OCTOBER	9	4.84	5.54	4.14
OCTOBER	10	5.36	5.54	5.18
OCTOBER	11	5.19	5.33	5.04
OCTOBER	12	5.23	5.69	4.76
OCTOBER	13	2.91	4.55	1.27
OCTOBER	14	4.74	5.26	4.21
OCTOBER	15	3.39	3.94	2.83
OCTOBER	16	1.98	3.54	0.42
OCTOBER	17	2.65	3.47	1.82
OCTOBER	18	3.51	3.94	3.08
OCTOBER	19	3.99	4.69	3.28
OCTOBER	20	2.21	3.41	1.01
OCTOBER	21	2.95	3.67	2.22
OCTOBER	22	2.66	3.94	1.37
OCTOBER	23	4.44	5.47	3.41
OCTOBER	24	6.45	9.16	3.73
OCTOBER	25	5.70	7.73	3.67
OCTOBER	26	7.04	9.73	4.34
OCTOBER	27	5.28	6.21	4.34
OCTOBER	28	4.42	4.62	4.21
OCTOBER	29	3.94	4.34	3.54
OCTOBER	30	2.85	4.27	1.43
OCTOBER	31	2.41	4.00	0.82



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

MONTH=NOVEMBER

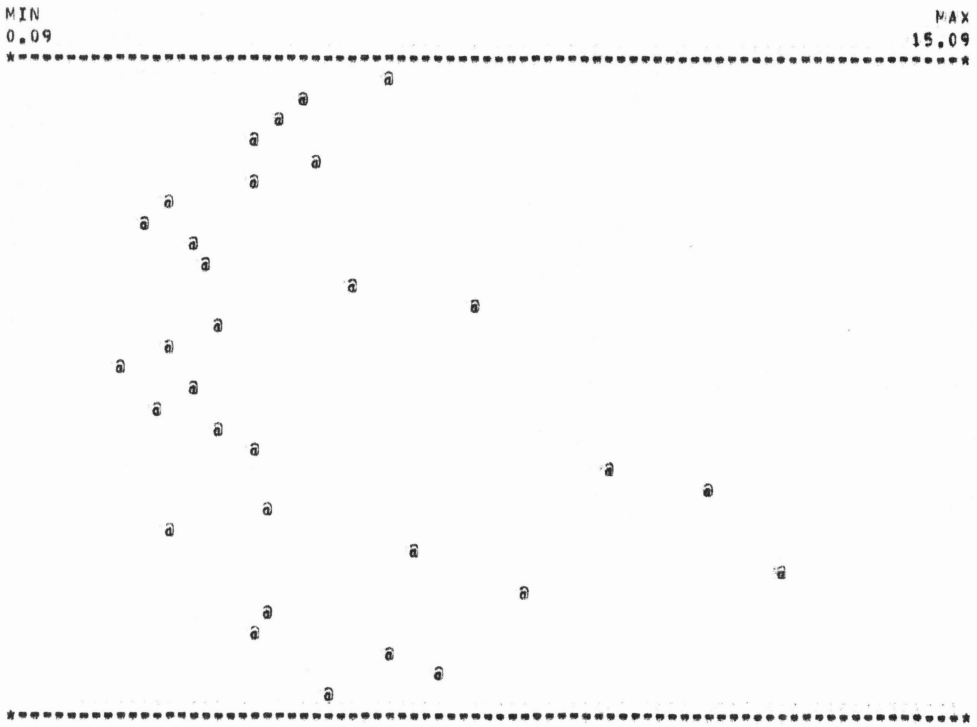
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
NOVEMBER	1	2.27	2.96	1.59
NOVEMBER	2	3.46	4.34	2.58
NOVEMBER	3	4.10	5.18	3.02
NOVEMBER	4	5.84	8.20	3.47
NOVEMBER	5	3.61	4.00	3.21
NOVEMBER	6	3.92	4.55	3.28
NOVEMBER	7	4.12	4.76	3.47
NOVEMBER	8	2.08	2.83	1.32
NOVEMBER	9	2.27	2.96	1.59
NOVEMBER	10	2.99	3.34	2.64
NOVEMBER	11	2.93	3.21	2.64
NOVEMBER	12	3.09	3.60	2.58
NOVEMBER	13	3.49	4.69	2.28
NOVEMBER	14	3.37	5.26	1.48
NOVEMBER	15	4.09	6.13	2.05
NOVEMBER	16	6.70	7.11	6.28
NOVEMBER	17	6.51	6.73	6.28
NOVEMBER	18	7.93	8.60	7.26
NOVEMBER	19	6.25	6.28	6.21
NOVEMBER	20	5.44	5.98	4.90
NOVEMBER	21	5.40	5.47	5.33
NOVEMBER	22	4.39	5.11	3.67
NOVEMBER	23	4.28	4.76	3.80
NOVEMBER	24	4.28	4.69	3.87
NOVEMBER	25	4.80	4.97	4.62
NOVEMBER	26	4.21	4.55	3.87
NOVEMBER	27	3.85	5.11	2.58
NOVEMBER	28	2.83	2.83	2.83
NOVEMBER	29	4.55	4.55	4.55
NOVEMBER	30	4.62	4.62	4.62



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
TIMEPLOT OF DAILY MEANS

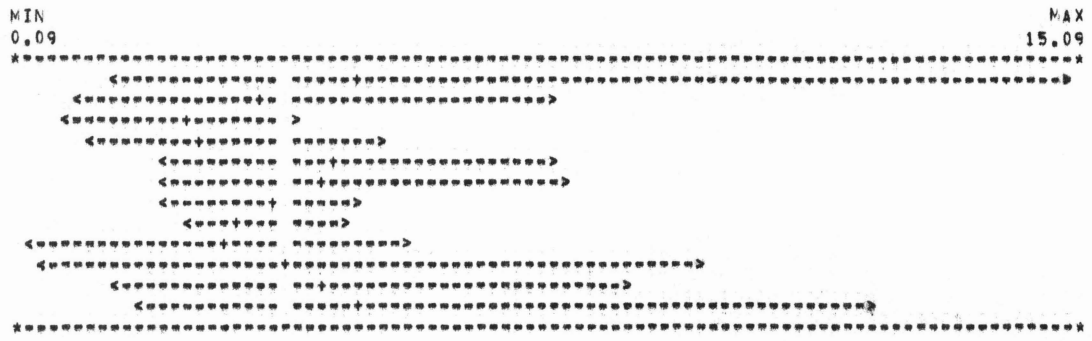
MONTH=DECEMBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
DECEMBER	1	5.98	5.98	5.98
DECEMBER	2	4.62	4.62	4.62
DECEMBER	3	4.14	4.14	4.14
DECEMBER	4	3.87	3.87	3.87
DECEMBER	5	4.69	4.69	4.69
DECEMBER	6	3.73	3.73	3.73
DECEMBER	7	2.46	2.46	2.46
DECEMBER	8	1.99	1.99	1.99
DECEMBER	9	2.77	2.77	2.77
DECEMBER	10	2.96	2.96	2.96
DECEMBER	11	5.33	5.33	5.33
DECEMBER	12	7.26	7.26	7.26
DECEMBER	13	3.28	3.28	3.28
DECEMBER	14	2.40	2.40	2.40
DECEMBER	15	1.59	1.59	1.59
DECEMBER	16	2.83	2.83	2.83
DECEMBER	17	2.28	2.28	2.28
DECEMBER	18	3.28	3.28	3.28
DECEMBER	19	3.73	3.73	3.73
DECEMBER	20	9.40	9.40	9.40
DECEMBER	21	10.98	10.98	10.98
DECEMBER	22	4.07	4.07	4.07
DECEMBER	23	2.34	2.34	2.34
DECEMBER	24	6.35	6.35	6.35
DECEMBER	25	12.09	12.09	12.09
DECEMBER	26	8.04	8.04	8.04
DECEMBER	27	4.00	4.00	4.00
DECEMBER	28	3.73	3.73	3.73
DECEMBER	29	5.98	5.98	5.98
DECEMBER	30	6.73	6.73	6.73
DECEMBER	31	5.04	5.04	5.04



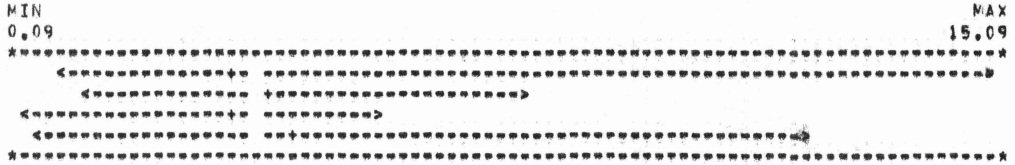
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF MONTHLY MEANS

MONTH	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	4.86	15.09	1.27
FEBRUARY	3.41	7.57	0.82
MARCH	2.39	4.00	0.68
APRIL	2.57	5.11	0.96
MAY	4.42	7.57	2.05
JUNE	4.24	7.73	2.05
JULY	3.53	4.76	2.05
AUGUST	3.10	4.55	2.28
SEPTEMBR	2.81	5.54	0.09
OCTOBER	3.81	9.73	0.22
NOVEMBER	4.27	8.60	1.32
DECEMBER	4.77	12.09	1.59



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
TIMEPLOT OF QUARTERLY MEANS

QUARTER	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FIRST_QUARTER	3.27	15.09	0.68
SECOND_QUARTER	3.75	7.73	0.96
THIRD_QUARTER	3.23	5.54	0.09
FOURTH_QUARTER	4.18	12.09	0.22



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 * CFS	NUM OBS
JANUARY	0	0	0	2	2	4	2	2	0	0	4	4	1	1	1	1	0	0	3	0	0	0	0	27
FEBRUARY	3	1	0	0	3	2	1	3	13	3	0	4	0	1	0	0	0	0	0	0	0	0	0	34
MARCH	10	1	0	3	6	4	15	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	61
APRIL	1	4	0	5	14	2	15	2	3	3	5	2	0	0	0	0	0	0	0	0	0	0	0	56
MAY	0	0	0	0	0	15	6	10	0	0	2	13	13	3	0	0	0	0	0	0	0	0	0	62
JUNE	0	0	0	0	0	9	8	7	5	1	7	18	3	2	0	0	0	0	0	0	0	0	0	60
JULY	0	0	0	0	0	15	16	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	0	61
AUGUST	0	0	0	0	0	7	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	14
SEPTEMBR	5	2	0	1	0	5	2	4	10	5	0	3	0	0	0	0	0	0	0	0	0	0	0	37
OCTOBER	4	1	0	1	1	1	4	12	10	10	4	8	1	1	0	2	0	0	0	0	0	0	0	60
NOVEMBER	0	0	0	3	0	2	9	7	5	2	11	7	6	2	2	0	0	0	0	0	0	0	0	56
DECEMBER	0	0	0	1	1	4	3	2	4	3	2	4	2	1	1	1	1	1	0	0	0	0	0	31
TOTAL	23	9	0	16	27	70	81	72	52	47	49	63	26	11	4	4	1	1	3	0	0	0	0	559
PERCENT	4	2	0	3	5	13	14	13	9	8	9	11	5	2	1	1	0	0	1	0	0	0	0	0
CUMULATE	101	97	95	95	92	87	74	60	47	38	30	21	10	5	3	2	1	1	1	0	0	0	0	100

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

MONTH	0	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	15	>	NUM
	.5 CFS	1 CFS	1.5 CFS	2 CFS	2.5 CFS	3 CFS	3.5 CFS	4 CFS	4.5 CFS	5 CFS	5.5 CFS	6 CFS	6.5 CFS	7 CFS	7.5 CFS	8 CFS	8.5 CFS	9 CFS	9.5 CFS	10 CFS	15 CFS	20 CFS	20 CFS	088
JANUARY	0	0	6	2	4	2	2	0	0	4	1	3	0	1	0	1	1	0	1	0	2	1	0	31
FEBRUARY	0	3	1	3	2	1	3	13	3	0	2	2	0	0	0	1	0	0	0	0	0	0	0	34
MARCH	0	10	3	8	4	15	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
APRIL	0	1	9	18	2	15	2	3	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	60
MAY	0	0	0	0	15	6	10	0	0	2	0	13	4	9	2	1	0	0	0	0	0	0	0	62
JUNE	0	0	0	0	9	8	7	5	1	7	10	8	1	2	1	1	0	0	0	0	0	0	0	60
JULY	0	0	0	0	15	16	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	61
AUGUST	0	0	0	0	7	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
SEPTEMBR	2	3	6	1	5	2	4	10	5	0	1	2	0	0	0	0	0	0	0	0	0	0	0	41
OCTOBER	2	2	4	1	1	4	12	10	10	4	5	3	1	0	0	1	0	0	1	1	0	0	0	62
NOVEMBER	0	0	2	2	2	9	7	5	2	11	6	1	5	1	2	0	1	1	0	0	0	0	0	57
DECEMBER	0	0	0	2	4	3	2	4	3	2	2	2	1	1	1	0	1	0	1	0	2	0	0	31
TOTAL	4	19	31	37	70	81	72	52	47	49	29	34	12	14	6	5	3	1	3	1	4	1	0	575
PERCENT	1	3	5	6	12	14	13	9	8	9	5	6	2	2	1	1	1	0	1	0	1	0	0	0
CUMULATE	100	99	96	91	85	73	59	46	37	29	20	15	9	7	5	4	3	2	2	1	1	0	0	100

AKUTAN DATA REPORT
EAST FORK LOUD CREEK = SEPT, 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE=LOGARITHMIC

YEAR=86

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 CFS	NUM OBS
JANUARY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
FEBRUARY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
MARCH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
APRIL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
MAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
JUNE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
JULY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
AUGUST	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
SEPTEMBR	0	0	0	0	0	0	1	4	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	20
OCTOBER	0	0	0	0	0	0	2	11	6	7	3	2	0	0	0	0	0	0	0	0	0	0	0	31
NOVEMBER	0	0	0	0	0	0	3	7	2	1	4	5	4	1	0	0	0	0	0	0	0	0	0	27
DECEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
TOTAL	0	0	0	0	0	0	6	22	18	13	7	7	4	1	0	0	0	0	0	0	0	0	0	78
PERCENT	0	0	0	0	0	0	8	28	23	17	9	9	5	1	0	0	0	0	0	0	0	0	0	0
CUMULATE	100	100	100	100	100	100	100	92	64	41	24	15	6	1	0	0	0	0	0	0	0	0	0	100

YEAR=87

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	30.0 CFS	NUM OBS
JANUARY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
FEBRUARY	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MARCH	10	1	0	3	6	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
APRIL	1	4	0	5	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
MAY	0	0	0	0	0	15	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
JUNE	0	0	0	0	0	9	8	7	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	30
JULY	0	0	0	0	0	15	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
AUGUST	0	0	0	0	0	7	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	14
SEPTEMBR	5	2	0	1	0	5	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	17
OCTOBER	4	1	0	1	1	1	2	1	4	3	1	6	1	1	0	2	0	0	0	0	0	0	0	29
NOVEMBER	0	0	0	3	0	2	6	0	3	1	7	2	2	1	2	0	0	0	0	0	0	0	0	29
DECEMBER	0	0	0	1	1	4	3	2	4	3	2	4	2	1	1	1	1	1	0	0	0	0	0	31
TOTAL	23	9	0	14	22	65	45	25	18	10	11	15	5	3	3	3	1	1	0	0	0	0	0	273
PERCENT	8	3	0	5	8	24	16	9	7	4	4	5	2	1	1	1	0	0	0	0	0	0	0	0
CUMULATE	98	90	87	87	82	74	50	34	25	18	14	10	5	3	2	1	0	0	0	0	0	0	0	100

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

YEAR=88

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	> 30.0 CFS	NUM OBS
JANUARY	0	0	0	2	2	4	2	2	0	0	4	4	1	1	1	1	0	0	3	0	0	0	0	27
FEBRUARY	0	0	0	0	3	1	1	3	13	3	0	4	0	1	0	0	0	0	0	0	0	0	0	29
MARCH	0	0	0	0	0	0	12	18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	31
APRIL	0	0	0	0	0	0	15	2	3	3	5	2	0	0	0	0	0	0	0	0	0	0	0	30
MAY	0	0	0	0	0	0	0	0	0	0	2	13	13	3	0	0	0	0	0	0	0	0	0	31
JUNE	0	0	0	0	0	0	0	0	0	0	7	18	3	2	0	0	0	0	0	0	0	0	0	30
JULY	0	0	0	0	0	0	0	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	0	30
AUGUST	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14
SEPTEMBR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17
OCTOBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29
NOVEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29
DECEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
TOTAL	0	0	0	2	5	5	30	25	16	24	31	41	17	7	1	1	0	0	3	0	0	0	0	328
PERCENT	0	0	0	1	2	2	14	12	8	12	15	20	8	3	0	0	0	0	1	0	0	0	0	0
CUMULATE	98	98	98	98	97	95	93	79	67	59	47	32	12	4	1	1	1	1	1	0	0	0	0	100

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

YEAR=86

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
SEPTEMBR	0	0	0	0	0	1	4	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
OCTOBER	0	0	0	0	0	2	11	6	7	3	2	0	0	0	0	0	0	0	0	0	0	0	0	.
NOVEMBER	0	0	0	0	0	3	7	2	1	4	4	1	4	0	1	0	0	0	0	0	0	0	0	.
TOTAL	0	0	0	0	0	6	22	18	13	7	6	1	4	0	1	0	0	0	0	0	0	0	0	.
PERCENT	0	0	0	0	0	8	28	23	17	9	8	1	5	0	1	0	0	0	0	0	0	0	0	0
CUMULATE	100	100	100	100	100	100	92	64	41	24	15	7	6	1	1	0	0	0	0	0	0	0	0	100

YEAR=87

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
FEBRUARY	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
MARCH	0	10	3	8	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
APRIL	0	1	9	18	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
MAY	0	0	0	0	15	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
JUNE	0	0	0	0	9	8	7	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
JULY	0	0	0	0	15	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.
AUGUST	0	0	0	0	7	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	.
SEPTEMBR	2	3	6	1	5	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	.
OCTOBER	2	2	4	1	1	2	1	4	3	1	3	3	1	0	0	1	0	0	1	1	0	0	0	.
NOVEMBER	0	0	2	2	2	6	0	3	1	7	2	0	1	1	1	0	1	1	0	0	0	0	0	.
DECEMBER	0	0	0	2	4	3	2	4	3	2	2	2	1	1	1	0	1	0	1	0	2	0	0	.
TOTAL	4	19	25	32	65	45	25	18	10	11	8	7	3	2	2	1	2	1	2	1	2	0	0	.
PERCENT	1	7	9	11	23	16	9	6	4	4	3	2	1	1	1	0	1	0	1	0	1	0	0	0
CUMULATE	101	100	93	84	73	50	34	25	19	15	11	8	6	5	4	3	3	2	2	1	1	0	0	100

YEAR=88

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
JANUARY	0	0	6	2	4	2	2	0	0	4	1	3	0	1	0	1	1	0	1	0	2	1	0	31
FEBRUARY	0	0	0	3	1	1	3	13	3	0	2	2	0	0	0	1	0	0	0	0	0	0	0	29
MARCH	0	0	0	0	0	12	18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
APRIL	0	0	0	0	0	15	2	3	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	30
MAY	0	0	0	0	0	0	0	0	0	2	0	13	4	9	2	1	0	0	0	0	0	0	0	31
JUNE	0	0	0	0	0	0	0	0	0	7	10	8	1	2	1	1	0	0	0	0	0	0	0	30
JULY	0	0	0	0	0	0	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	30
AUGUST	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14
SEPTEMBR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	21
OCTOBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
NOVEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30
DECEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
TOTAL	0	0	6	5	5	30	25	16	24	31	15	26	5	12	3	4	1	0	1	0	2	1	0	339

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

YEAR=88

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
PERCENT	0	0	3	2	2	14	12	8	11	15	7	12	2	6	1	2	0	0	0	0	1	0	0	0
CUMULATE	98	98	98	95	93	91	77	65	57	46	31	24	12	10	4	3	1	1	1	1	1	0	0	100

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	2.4	2.4	2.4	86	86	86	2075
2	5.6	5.6	5.6	202	202	202	4858
3	4.6	4.6	4.6	166	166	166	3994
4	2.5	2.5	2.5	89	89	89	2126
5	3.0	3.0	3.0	107	107	107	2559
6	1.5	1.5	1.5	53	53	53	1279
7	1.3	1.3	1.3	46	46	46	1098
8	1.3	1.3	1.3	46	46	46	1098
9	2.6	2.6	2.6	93	93	93	2230
10	3.5	3.5	3.5	125	125	125	2999
11	1.5	1.5	1.5	53	53	53	1279
12	2.5	2.5	2.5	89	89	89	2126
13	1.3	1.3	1.3	48	48	48	1141
14	1.3	1.3	1.3	48	48	48	1141
15	2.1	2.1	2.1	74	74	74	1772
16	4.6	4.6	4.6	164	164	164	3933
17	6.9	6.9	6.9	248	248	248	5947
18	4.8	4.8	4.8	174	174	174	4175
19	5.8	5.8	5.8	210	210	210	5048
20	1.8	1.8	1.8	66	66	66	1573
21	1.9	1.9	1.9	67	67	67	1616
22	8.3	8.3	8.3	298	298	298	7157
23	14.7	14.7	14.7	531	531	531	12733
24	15.1	15.1	15.1	543	543	543	13044
25	14.6	14.6	14.6	524	524	524	12577
26	9.0	9.0	9.0	324	324	324	7780
27	7.7	7.7	7.7	276	276	276	6613
28	5.0	5.0	5.0	179	179	179	4296
29	3.2	3.2	3.2	113	113	113	2723
30	5.5	5.5	5.5	200	200	200	4789
31	5.0	5.0	5.0	182	182	182	4357
MO							130137

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	3.7	3.7	3.7	132	132	132	3172
2	2.5	2.5	2.5	91	91	91	2178
3	2.3	2.3	2.3	84	84	84	2023
4	1.7	1.7	1.7	61	61	61	1469
5	1.7	1.7	1.7	61	61	61	1469
6	3.5	3.5	3.5	128	128	128	3060
7	5.2	5.2	5.2	187	187	187	4478
8	4.1	4.1	4.1	147	147	147	3518
9	1.9	1.9	1.9	67	67	67	1616
10	3.6	3.6	3.6	130	130	130	3112
11	3.5	3.5	3.5	128	128	128	3060
12	3.7	3.7	3.7	132	132	132	3172
13	3.6	3.6	3.6	130	130	130	3112
14	3.5	3.5	3.5	125	125	125	2999
15	3.5	3.5	3.5	125	125	125	2999
16	5.8	5.8	5.8	207	207	207	4979
17	5.8	5.8	5.8	207	207	207	4979
18	5.0	5.0	5.0	182	182	182	4357
19	7.6	7.6	7.6	273	273	273	6544
20	3.9	3.9	3.9	139	139	139	3345
21	3.9	3.9	3.9	142	142	142	3406
22	4.0	4.0	4.0	144	144	144	3458
23	3.9	3.9	3.9	139	139	139	3345
24	2.4	1.2	3.7	87	42	132	2088
25	3.0	2.2	3.9	109	78	139	2606
26	2.1	0.8	3.5	77	30	125	1854
27	2.5	0.8	4.2	91	30	152	2174
28	2.2	0.8	3.5	79	30	128	1884
29	3.5	3.5	3.5	128	128	128	3060
MO							89518

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	2.1	0.8	3.5	77	30	125	1854
2	2.1	0.7	3.4	74	26	123	1785
3	2.0	0.7	3.3	72	24	120	1737
4	2.0	0.7	3.3	72	24	120	1737
5	2.0	0.7	3.3	71	24	118	1712
6	1.8	0.7	3.0	66	24	107	1573
7	2.1	0.9	3.3	75	31	118	1794
8	2.1	1.0	3.3	76	35	118	1833
9	2.0	0.8	3.1	70	30	111	1686
10	2.0	0.8	3.1	70	30	111	1686
11	2.0	1.0	3.1	74	36	111	1768
12	2.4	1.7	3.1	86	61	111	2066
13	2.3	1.6	3.1	84	57	111	2018
14	2.4	1.9	3.0	88	67	109	2113
15	2.5	2.1	2.9	89	74	104	2135
16	2.5	2.1	2.9	89	74	104	2135
17	2.5	2.1	2.9	89	74	104	2135
18	2.6	2.1	3.0	92	76	109	2213
19	2.4	1.9	2.9	87	70	104	2083
20	2.9	2.8	3.0	103	100	107	2477
21	3.1	2.9	3.3	111	104	118	2667
22	3.1	3.0	3.2	111	109	113	2667
23	3.3	2.6	4.0	120	95	144	2870
24	2.9	2.9	3.0	105	104	107	2528
25	3.2	2.9	3.5	116	104	128	2779
26	2.4	2.0	2.9	88	72	104	2109
27	2.4	2.0	2.8	86	72	100	2057
28	2.3	1.8	2.8	83	66	100	1984
29	2.3	1.6	3.0	83	57	109	1992
30	2.3	1.4	3.2	81	49	113	1954
31	2.3	1.5	3.1	82	53	111	1971
MO							64117

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	2.5	1.9	3.0	89	70	109	2139
2	3.4	2.2	4.6	121	78	164	2900
3	2.3	1.9	2.8	84	67	100	2005
4	2.3	1.9	2.7	82	67	98	1979
5	2.2	1.8	2.7	80	63	98	1932
6	2.2	1.7	2.7	79	61	98	1906
7	2.2	1.8	2.7	80	63	98	1932
8	2.2	1.7	2.7	79	61	98	1906
9	2.2	1.8	2.6	79	63	95	1902
10	2.3	1.9	2.6	81	67	95	1949
11	2.4	1.8	3.0	86	66	107	2066
12	2.3	1.7	3.0	84	61	107	2014
13	2.2	1.5	2.8	79	55	102	1889
14	2.3	1.7	2.8	82	61	102	1958
15	2.3	1.5	3.0	81	55	107	1945
16	2.3	1.5	3.0	81	55	107	1945
17	2.1	1.3	3.0	77	48	107	1850
18	2.0	1.0	3.1	73	35	111	1746
19	2.7	1.9	3.5	97	67	128	2338
20	2.5	1.3	3.7	90	46	134	2161
21	2.5	1.2	3.7	89	44	134	2139
22	2.6	1.1	4.1	92	38	147	2217
23	2.8	1.2	4.3	99	42	156	2377
24	2.7	1.0	4.5	99	36	161	2373
25	3.1	1.2	5.0	110	42	179	2649
26	3.2	1.4	5.1	117	49	184	2801
27	3.3	1.5	5.0	117	53	182	2818
28	3.2	1.6	4.8	116	57	174	2775
29	3.4	2.0	4.8	122	72	171	2917
30	3.5	2.1	4.8	125	76	174	2995
MO							66525

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AKUTAN DATA REPORT

EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988

DAILY SUMMARY

H=500FT,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	3.6	2.2	4.9	128	80	176	3077
2	3.6	2.2	4.9	128	80	176	3077
3	4.0	2.1	6.0	145	74	215	3471
4	4.3	2.1	6.6	155	74	237	3730
5	4.6	2.1	7.2	166	74	259	3994
6	4.8	2.1	7.6	174	76	273	4179
7	4.7	2.2	7.2	169	80	259	4067
8	4.7	2.3	7.0	167	84	251	4019
9	4.6	2.4	6.7	164	86	242	3946
10	4.7	2.4	7.0	169	86	251	4045
11	4.6	2.3	6.9	166	84	248	3985
12	4.4	2.3	6.6	160	82	237	3829
13	4.3	2.3	6.2	154	84	224	3695
14	4.1	2.3	5.8	146	82	210	3509
15	4.0	2.3	5.6	142	82	202	3414
16	4.1	2.6	5.5	147	95	200	3535
17	4.3	3.0	5.5	153	107	200	3674
18	4.4	3.2	5.6	158	113	202	3790
19	4.4	3.2	5.6	158	113	202	3790
20	4.4	3.1	5.7	158	111	205	3790
21	4.3	3.2	5.5	156	113	200	3756
22	4.6	3.3	5.8	164	120	207	3933
23	4.6	3.4	5.7	164	123	205	3933
24	4.7	3.3	6.1	171	120	221	4093
25	5.1	3.3	6.9	184	120	248	4417
26	5.1	3.3	7.0	184	118	251	4426
27	4.8	3.0	6.7	174	109	240	4179
28	4.6	2.9	6.3	165	104	226	3963
29	4.4	2.7	6.1	159	98	221	3821
30	4.3	2.6	6.0	155	95	215	3726
31	4.1	2.6	5.6	149	95	202	3570
MO							118437

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	4.1	2.5	5.6	147	91	202	3518
2	4.0	2.5	5.4	143	91	194	3423
3	4.2	3.0	5.4	151	107	194	3613
4	4.6	3.8	5.4	166	137	194	3976
5	4.7	4.0	5.3	168	144	192	4032
6	4.6	3.9	5.3	166	139	192	3976
7	4.7	3.5	5.8	167	128	207	4019
8	4.8	3.7	5.8	172	134	210	4136
9	4.8	3.7	5.8	172	134	210	4136
10	4.6	3.4	5.8	167	123	210	3998
11	4.4	3.3	5.5	159	118	200	3812
12	4.3	3.1	5.5	154	111	197	3695
13	4.8	3.0	6.7	174	109	240	4179
14	5.3	2.9	7.7	191	104	278	4590
15	5.1	3.0	7.3	184	107	261	4417
16	5.0	3.2	6.9	181	113	248	4335
17	4.7	3.1	6.3	169	111	226	4045
18	4.5	3.1	6.0	163	111	215	3916
19	4.3	2.8	5.7	153	102	205	3682
20	4.0	2.7	5.3	145	98	192	3475
21	4.0	2.6	5.3	142	95	189	3414
22	3.8	2.5	5.2	138	89	187	3302
23	3.8	2.5	5.1	136	89	184	3272
24	3.6	2.3	4.9	130	84	176	3129
25	3.6	2.3	4.8	128	82	174	3073
26	3.5	2.3	4.7	126	82	169	3012
27	3.4	2.1	4.7	121	74	169	2913
28	3.3	2.1	4.6	120	74	166	2883
29	3.4	2.1	4.7	121	74	169	2913
30	3.4	2.2	4.6	123	80	166	2956
MO							109845

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	3.3	2.1	4.6	119	74	164	2853
2	3.3	2.1	4.5	118	74	161	2822
3	3.4	2.2	4.6	123	80	166	2956
4	3.4	2.4	4.5	124	86	161	2974
5	3.4	2.5	4.4	124	89	159	2969
6	3.4	2.5	4.4	124	89	159	2969
7	3.4	2.5	4.3	122	89	156	2939
8	3.4	2.5	4.4	124	89	159	2969
9	3.7	2.9	4.6	134	104	164	3216
10	3.8	3.0	4.6	135	107	164	3246
11	3.8	3.0	4.6	135	107	164	3246
12	3.8	2.9	4.7	137	104	169	3276
13	3.7	2.7	4.8	135	98	171	3229
14	3.7	2.6	4.8	133	95	171	3198
15	3.6	2.6	4.6	130	93	166	3112
16	3.5	2.5	4.6	128	89	166	3060
17	3.4	2.5	4.4	124	89	159	2969
18	3.5	2.5	4.6	128	89	166	3060
19	3.5	2.5	4.5	125	89	161	2999
20	3.5	2.5	4.5	125	89	161	2999
21	3.8	2.8	4.7	135	102	169	3250
22	3.6	2.8	4.3	128	102	154	3069
23	3.6	2.9	4.3	129	104	154	3095
24	3.8	3.0	4.6	135	107	164	3246
25	3.6	2.9	4.3	130	104	156	3125
26	3.6	2.8	4.4	130	102	159	3129
27	3.5	2.7	4.2	125	98	152	2991
28	3.6	2.6	4.5	128	95	161	3077
29	3.5	2.5	4.5	126	91	161	3025
30	3.4	2.5	4.4	124	89	159	2969
31	2.5	2.5	2.5	89	89	89	2126
MO							94164

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	2.3	2.3	2.3	82	82	82	1971
2	2.4	2.4	2.4	86	86	86	2075
3	2.3	2.3	2.3	84	84	84	2023
4	2.4	2.4	2.4	86	86	86	2075
5	2.4	2.4	2.4	86	86	86	2075
6	2.5	2.5	2.5	89	89	89	2126
7	2.4	2.4	2.4	86	86	86	2075
8	3.1	3.1	3.1	111	111	111	2662
9	4.1	4.1	4.1	147	147	147	3518
10	4.6	4.6	4.6	164	164	164	3933
11	4.4	4.4	4.4	159	159	159	3812
12	3.9	3.9	3.9	142	142	142	3406
13	3.4	3.4	3.4	123	123	123	2948
14	3.3	3.3	3.3	118	118	118	2835
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MO							37533

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,E=85%,Q=FLOW & P=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
10	1.3	1.3	1.3	48	48	48	1141
11	1.9	1.0	2.9	69	35	104	1664
12	2.3	1.4	3.3	84	49	118	2010
13	2.9	2.2	3.6	104	78	130	2489
14	2.5	1.0	4.0	89	35	144	2144
15	2.9	1.6	4.1	103	57	149	2477
16	2.6	1.1	4.1	92	38	147	2217
17	2.4	0.8	3.9	86	30	142	2057
18	4.4	3.7	5.0	158	134	182	3790
19	4.6	3.7	5.5	167	134	200	4007
20	3.5	2.6	4.5	127	93	161	3051
21	1.6	0.2	3.0	58	7	109	1387
22	2.2	1.2	3.2	80	44	116	1915
23	4.3	3.1	5.5	155	111	200	3726
24	2.9	2.2	3.7	106	80	132	2546
25	2.0	0.1	3.9	73	3	142	1742
26	2.4	1.0	3.7	85	36	134	2049
27	2.9	2.1	3.7	105	76	134	2520
28	3.0	2.3	3.7	107	82	132	2572
29	2.7	1.4	4.0	97	49	144	2321
30	3.0	2.4	3.5	107	86	128	2567
MO							50391

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,E=85%,Q=FLOW & P=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	3.3	3.2	3.4	119	116	123	2861
2	3.6	3.3	3.9	131	120	142	3146
3	3.7	3.2	4.1	132	116	149	3177
4	3.2	2.9	3.6	117	104	130	2805
5	2.8	2.8	2.8	102	102	102	2446
6	1.7	0.2	3.2	61	8	113	1457
7	1.8	0.5	3.1	64	18	111	1547
8	3.8	3.2	4.5	137	113	161	3298
9	4.8	4.1	5.5	174	149	200	4184
10	5.4	5.2	5.5	193	187	200	4633
11	5.2	5.0	5.3	187	182	192	4482
12	5.2	4.8	5.7	188	171	205	4517
13	2.9	1.3	4.6	105	46	164	2515
14	4.7	4.2	5.3	171	152	189	4093
15	3.4	2.8	3.9	122	102	142	2926
16	2.0	0.4	3.5	71	15	128	1712
17	2.6	1.8	3.5	95	66	125	2286
18	3.5	3.1	3.9	126	111	142	3034
19	4.0	3.3	4.7	144	118	169	3445
20	2.2	1.0	3.4	80	36	123	1910
21	2.9	2.2	3.7	106	80	132	2546
22	2.7	1.4	3.9	96	49	142	2295
23	4.4	3.4	5.5	160	123	197	3838
24	6.4	3.7	9.2	232	134	330	5571
25	5.7	3.7	7.7	205	132	278	4927
26	7.0	4.3	9.7	253	156	350	6081
27	5.3	4.3	6.2	190	156	224	4560
28	4.4	4.2	4.6	159	152	166	3816
29	3.9	3.5	4.3	142	128	156	3406
30	2.9	1.4	4.3	103	52	154	2464
31	2.4	0.8	4.0	87	30	144	2083
MO							102061

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,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	1.6	3.0	82	57	107	1967
2	3.5	2.6	4.3	125	93	156	2991
3	4.1	3.0	5.2	148	109	187	3544
4	5.8	3.5	8.2	210	125	295	5044
5	3.6	3.2	4.0	130	116	144	3116
6	3.9	3.3	4.6	141	118	164	3384
7	4.1	3.5	4.8	148	125	171	3557
8	2.1	1.3	2.8	75	48	102	1794
9	2.3	1.6	3.0	82	57	107	1967
10	3.0	2.6	3.3	108	95	120	2585
11	2.9	2.6	3.2	105	95	116	2528
12	3.1	2.6	3.6	111	93	130	2671
13	3.5	2.3	4.7	126	82	169	3012
14	3.4	1.5	5.3	121	53	189	2913
15	4.1	2.1	6.1	147	74	221	3535
16	6.7	6.3	7.1	241	226	256	5787
17	6.5	6.3	6.7	234	226	242	5623
18	7.9	7.3	8.6	286	261	310	6855
19	6.2	6.2	6.3	225	224	226	5398
20	5.4	4.9	6.0	196	176	215	4702
21	5.4	5.3	5.5	194	192	197	4668
22	4.4	3.7	5.1	158	132	184	3795
23	4.3	3.8	4.8	154	137	171	3700
24	4.3	3.9	4.7	154	139	169	3700
25	4.8	4.6	5.0	173	166	179	4145
26	4.2	3.9	4.6	152	139	164	3639
27	3.8	2.6	5.1	138	93	184	3324
28	2.8	2.8	2.8	102	102	102	2446
29	4.6	4.6	4.6	164	164	164	3933
30	4.6	4.6	4.6	166	166	166	3994
MO							110316

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY SUMMARY
H=500FT,E=85%,Q=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	6.0	6.0	6.0	215	215	215	5169
2	4.6	4.6	4.6	166	166	166	3994
3	4.1	4.1	4.1	149	149	149	3579
4	3.9	3.9	3.9	139	139	139	3345
5	4.7	4.7	4.7	169	169	169	4054
6	3.7	3.7	3.7	134	134	134	3224
7	2.5	2.5	2.5	89	89	89	2126
8	2.0	2.0	2.0	72	72	72	1720
9	2.8	2.8	2.8	100	100	100	2394
10	3.0	3.0	3.0	107	107	107	2559
11	5.3	5.3	5.3	192	192	192	4607
12	7.3	7.3	7.3	261	261	261	6276
13	3.3	3.3	3.3	118	118	118	2835
14	2.4	2.4	2.4	86	86	86	2075
15	1.6	1.6	1.6	57	57	57	1374
16	2.8	2.8	2.8	102	102	102	2446
17	2.3	2.3	2.3	82	82	82	1971
18	3.3	3.3	3.3	118	118	118	2835
19	3.7	3.7	3.7	134	134	134	3224
20	9.4	9.4	9.4	339	339	339	8125
21	11.0	11.0	11.0	395	395	395	9491
22	4.1	4.1	4.1	147	147	147	3518
23	2.3	2.3	2.3	84	84	84	2023
24	6.4	6.4	6.4	229	229	229	5489
25	12.1	12.1	12.1	435	435	435	10451
26	8.0	8.0	8.0	290	290	290	6950
27	4.0	4.0	4.0	144	144	144	3458
28	3.7	3.7	3.7	134	134	134	3224
29	6.0	6.0	6.0	215	215	215	5169
30	6.7	6.7	6.7	242	242	242	5817
31	5.0	5.0	5.0	182	182	182	4357
MO							127881
							1100923

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AKUTAN DATA REPORT

EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988

MONTHLY SUMMARY

H=500FT,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 (731)AVG POWER
JANUARY	4.9	1.3	15.1	175	46	543	127786
FEBRUARY	3.4	0.8	7.6	123	30	273	89641
MARCH	2.4	0.7	4.0	86	24	144	62959
APRIL	2.6	1.0	5.1	92	35	184	67501
MAY	4.4	2.1	7.6	159	74	273	116297
JUNE	4.2	2.1	7.7	153	74	278	111456
JULY	3.5	2.1	4.8	127	74	171	92918
AUGUST	3.1	2.3	4.6	112	82	164	81607
SEPTEMBR	2.8	0.1	5.5	101	3	200	73977
OCTOBER	3.8	0.2	9.7	137	8	350	100217
NOVEMBER	4.3	1.3	8.6	154	48	310	112285
DECEMBER	4.8	1.6	12.1	172	57	435	125570
							1162214

AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
QUARTERLY SUMMARY
H=500FT,E=85%,Q=FLOW & P=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	3.3	0.7	15.1	118	24	543	257757
SECOND_QUARTER	3.7	1.0	7.7	135	35	278	295819
THIRD_QUARTER	3.2	0.1	5.5	116	3	200	254553
FOURTH_QUARTER	4.2	0.2	12.1	151	8	435	330101
							=======
							1138230

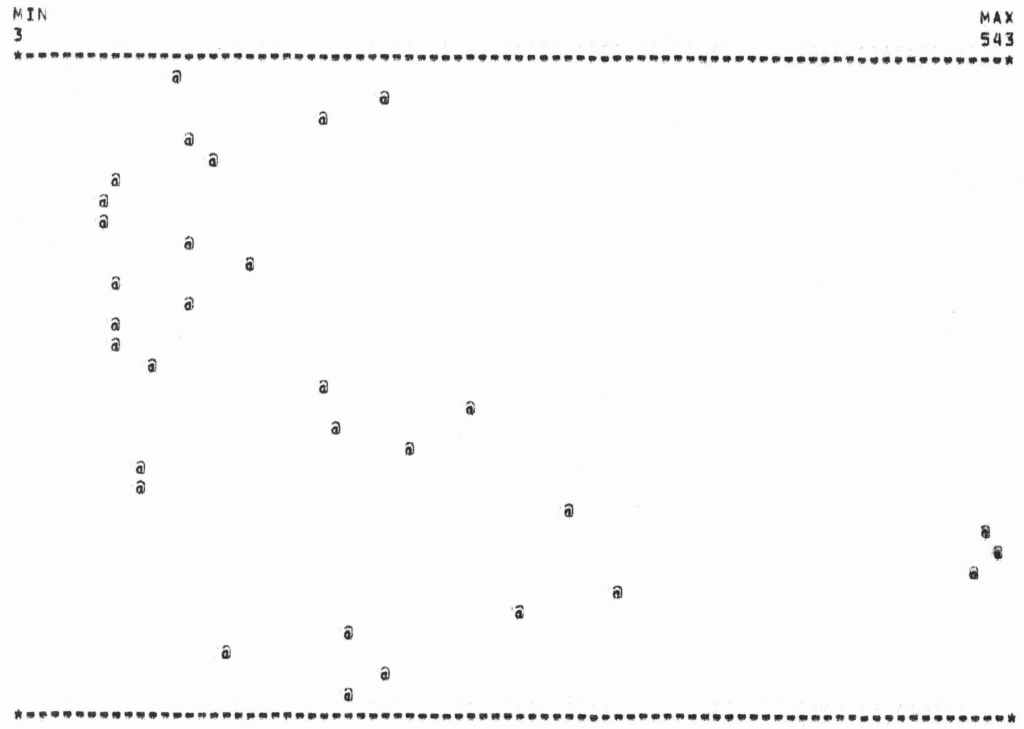
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
OVERALL SUMMARY

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
3.6	0.1	15.1	131	3	543	1152122
						1152122

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JANUARY

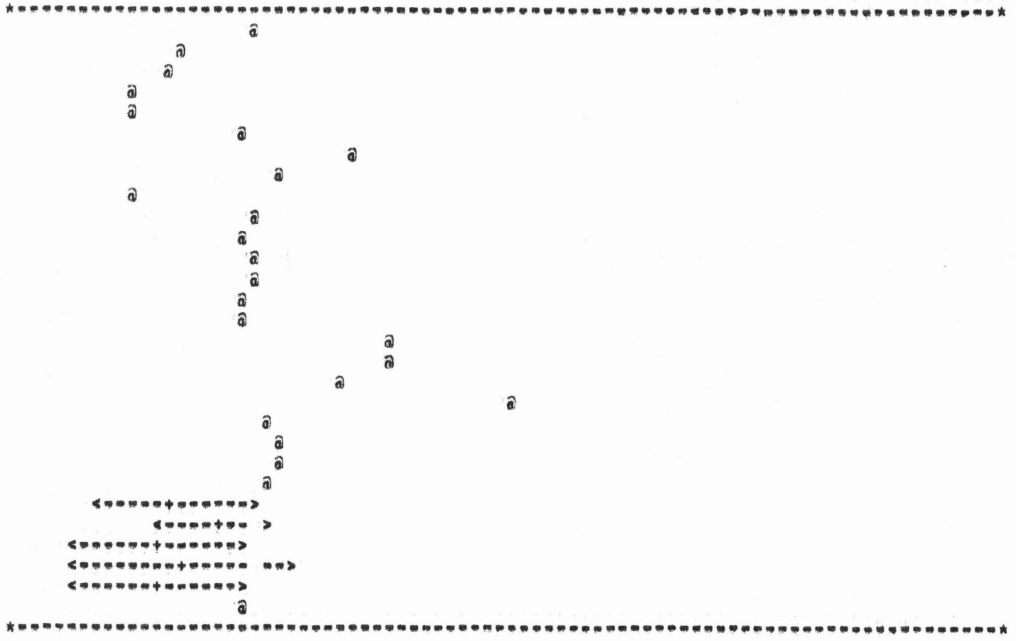
MONTH	DAY	AVG POWER* (KW)
JANUARY	1	86
JANUARY	2	202
JANUARY	3	166
JANUARY	4	89
JANUARY	5	107
JANUARY	6	53
JANUARY	7	46
JANUARY	8	46
JANUARY	9	93
JANUARY	10	125
JANUARY	11	53
JANUARY	12	89
JANUARY	13	48
JANUARY	14	48
JANUARY	15	74
JANUARY	16	164
JANUARY	17	248
JANUARY	18	174
JANUARY	19	210
JANUARY	20	66
JANUARY	21	67
JANUARY	22	298
JANUARY	23	531
JANUARY	24	543
JANUARY	25	524
JANUARY	26	324
JANUARY	27	276
JANUARY	28	179
JANUARY	29	113
JANUARY	30	200
JANUARY	31	182



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=FEBRUARY

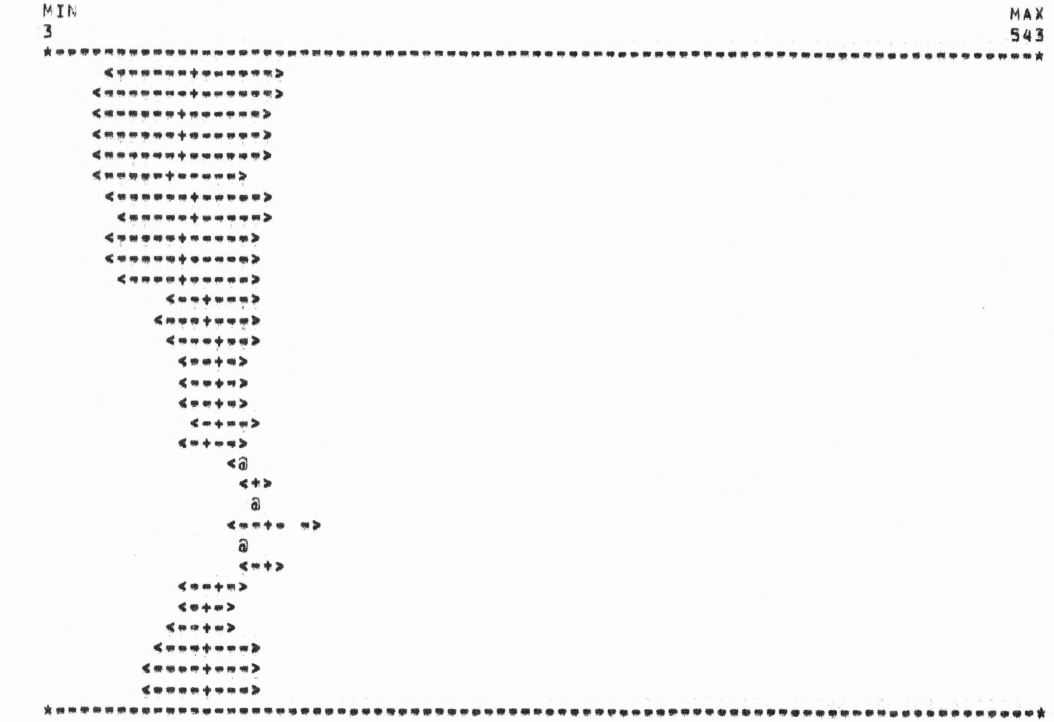
MONTH	DAY	AVG POWER* (KW)
FEBRUARY	1	132
FEBRUARY	2	91
FEBRUARY	3	84
FEBRUARY	4	61
FEBRUARY	5	61
FEBRUARY	6	128
FEBRUARY	7	187
FEBRUARY	8	147
FEBRUARY	9	67
FEBRUARY	10	130
FEBRUARY	11	128
FEBRUARY	12	132
FEBRUARY	13	130
FEBRUARY	14	125
FEBRUARY	15	125
FEBRUARY	16	207
FEBRUARY	17	207
FEBRUARY	18	182
FEBRUARY	19	273
FEBRUARY	20	139
FEBRUARY	21	142
FEBRUARY	22	144
FEBRUARY	23	139
FEBRUARY	24	87
FEBRUARY	25	109
FEBRUARY	26	77
FEBRUARY	27	91
FEBRUARY	28	79
FEBRUARY	29	128



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MARCH

MONTH	DAY	AVG POWER* (KW)
MARCH	1	77
MARCH	2	74
MARCH	3	72
MARCH	4	72
MARCH	5	71
MARCH	6	66
MARCH	7	75
MARCH	8	76
MARCH	9	70
MARCH	10	70
MARCH	11	74
MARCH	12	86
MARCH	13	84
MARCH	14	88
MARCH	15	89
MARCH	16	89
MARCH	17	89
MARCH	18	92
MARCH	19	87
MARCH	20	103
MARCH	21	111
MARCH	22	111
MARCH	23	120
MARCH	24	105
MARCH	25	116
MARCH	26	88
MARCH	27	86
MARCH	28	83
MARCH	29	83
MARCH	30	81
MARCH	31	82



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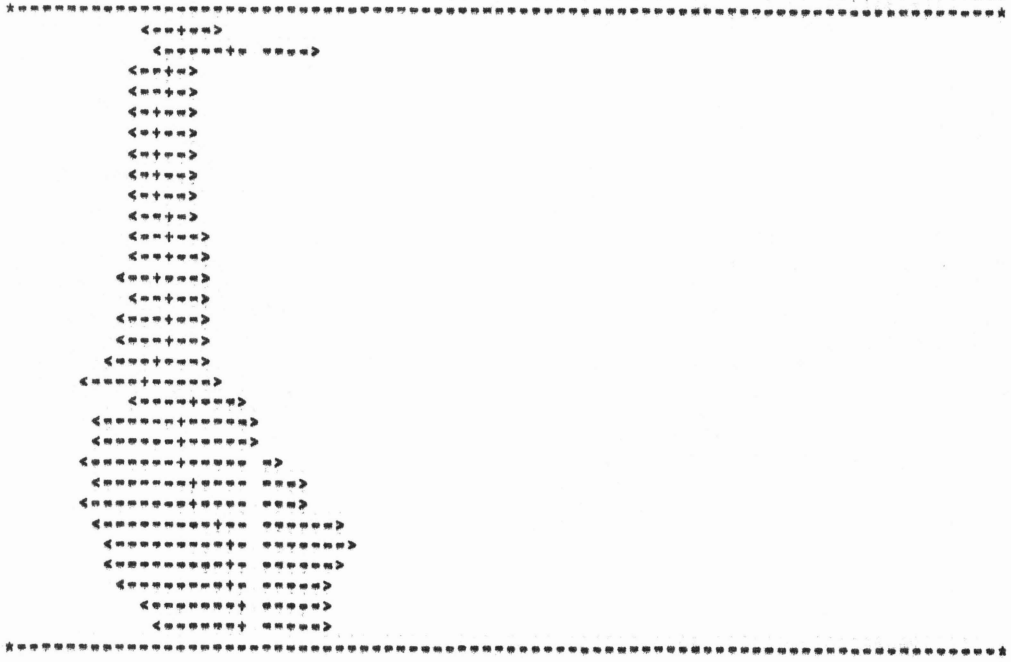
AKUTAN DATA REPORT
EAST FORK LOUD CREEK = SEPT. 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=APRIL

MONTH	DAY	AVG POWER* (KW)
APRIL	1	89
APRIL	2	121
APRIL	3	84
APRIL	4	82
APRIL	5	80
APRIL	6	79
APRIL	7	80
APRIL	8	79
APRIL	9	79
APRIL	10	81
APRIL	11	86
APRIL	12	84
APRIL	13	79
APRIL	14	82
APRIL	15	81
APRIL	16	81
APRIL	17	77
APRIL	18	73
APRIL	19	97
APRIL	20	90
APRIL	21	89
APRIL	22	92
APRIL	23	99
APRIL	24	99
APRIL	25	110
APRIL	26	117
APRIL	27	117
APRIL	28	116
APRIL	29	122
APRIL	30	125



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MAY

MONTH	DAY	AVG POWER* (KW)
MAY	1	128
MAY	2	128
MAY	3	145
MAY	4	155
MAY	5	166
MAY	6	174
MAY	7	169
MAY	8	167
MAY	9	164
MAY	10	169
MAY	11	166
MAY	12	160
MAY	13	154
MAY	14	146
MAY	15	142
MAY	16	147
MAY	17	153
MAY	18	158
MAY	19	158
MAY	20	158
MAY	21	156
MAY	22	164
MAY	23	164
MAY	24	171
MAY	25	184
MAY	26	184
MAY	27	174
MAY	28	165
MAY	29	159
MAY	30	155
MAY	31	149

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:17 FRIDAY, OCTOBER 6, 1989 56

AKUTAN DATA REPORT

EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JUNE

MONTH	DAY	AVG POWER* (KW)
JUNE	1	147
JUNE	2	143
JUNE	3	151
JUNE	4	166
JUNE	5	168
JUNE	6	166
JUNE	7	167
JUNE	8	172
JUNE	9	172
JUNE	10	167
JUNE	11	159
JUNE	12	154
JUNE	13	174
JUNE	14	191
JUNE	15	184
JUNE	16	181
JUNE	17	169
JUNE	18	163
JUNE	19	153
JUNE	20	145
JUNE	21	142
JUNE	22	138
JUNE	23	136
JUNE	24	130
JUNE	25	128
JUNE	26	126
JUNE	27	121
JUNE	28	120
JUNE	29	121
JUNE	30	123

DNR=DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:17 FRIDAY, OCTOBER 6, 1989 57

AKUTAN DATA REPORT

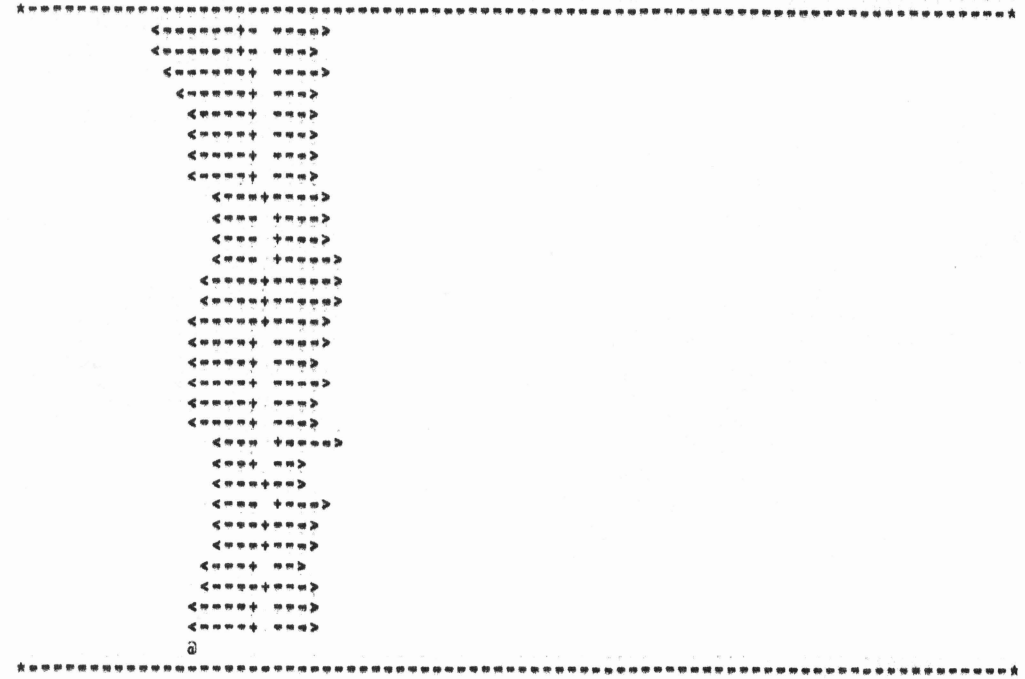
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JULY

MONTH	DAY	AVG POWER* (KW)
JULY	1	119
JULY	2	118
JULY	3	123
JULY	4	124
JULY	5	124
JULY	6	124
JULY	7	122
JULY	8	124
JULY	9	134
JULY	10	135
JULY	11	135
JULY	12	137
JULY	13	135
JULY	14	133
JULY	15	130
JULY	16	128
JULY	17	124
JULY	18	128
JULY	19	125
JULY	20	125
JULY	21	135
JULY	22	128
JULY	23	129
JULY	24	135
JULY	25	130
JULY	26	130
JULY	27	125
JULY	28	128
JULY	29	126
JULY	30	124
JULY	31	89



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:17 FRIDAY, OCTOBER 6, 1989 58

AKUTAN DATA REPORT

EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=AUGUST

MONTH	DAY	AVG POWER* (KW)
AUGUST	1	82
AUGUST	2	86
AUGUST	3	84
AUGUST	4	86
AUGUST	5	86
AUGUST	6	89
AUGUST	7	86
AUGUST	8	111
AUGUST	9	147
AUGUST	10	164
AUGUST	11	159
AUGUST	12	142
AUGUST	13	123
AUGUST	14	118

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:17 FRIDAY, OCTOBER 6, 1989 59

AKUTAN DATA REPORT

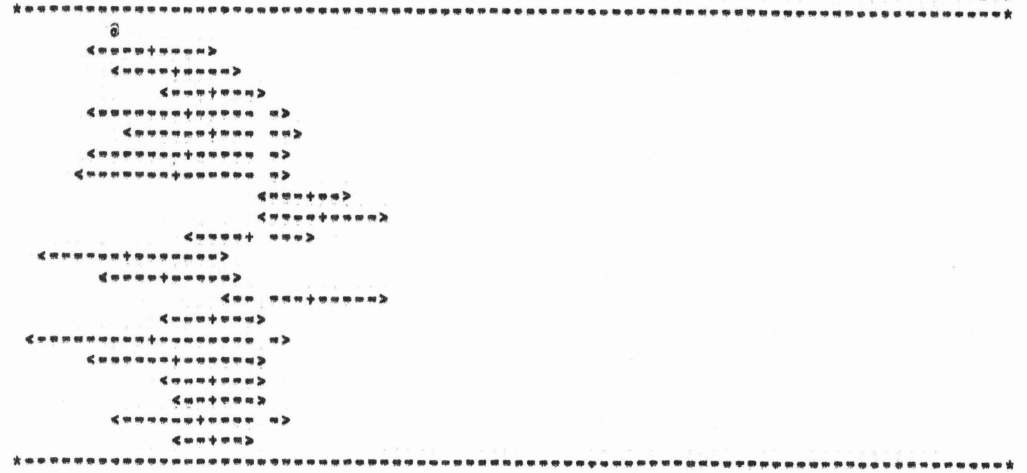
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=SEPTEMBR

MONTH	DAY	AVG POWER* (KW)
SEPTEMBR	10	48
SEPTEMBR	11	69
SEPTEMBR	12	84
SEPTEMBR	13	104
SEPTEMBR	14	89
SEPTEMBR	15	103
SEPTEMBR	16	92
SEPTEMBR	17	86
SEPTEMBR	18	158
SEPTEMBR	19	167
SEPTEMBR	20	127
SEPTEMBR	21	58
SEPTEMBR	22	80
SEPTEMBR	23	155
SEPTEMBR	24	106
SEPTEMBR	25	73
SEPTEMBR	26	85
SEPTEMBR	27	105
SEPTEMBR	28	107
SEPTEMBR	29	97
SEPTEMBR	30	107



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AKUTAN DATA REPORT

EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

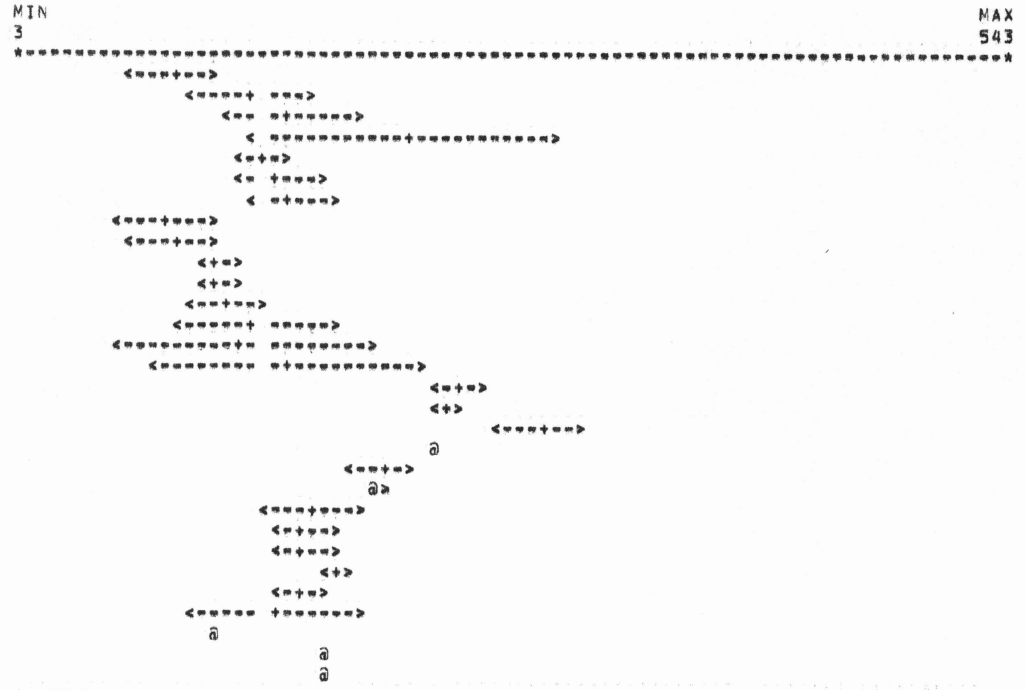
MONTH=OCTOBER

MONTH	DAY	AVG POWER* (KW)
OCTOBER	1	119
OCTOBER	2	131
OCTOBER	3	132
OCTOBER	4	117
OCTOBER	5	102
OCTOBER	6	61
OCTOBER	7	64
OCTOBER	8	137
OCTOBER	9	174
OCTOBER	10	193
OCTOBER	11	187
OCTOBER	12	188
OCTOBER	13	105
OCTOBER	14	171
OCTOBER	15	122
OCTOBER	16	71
OCTOBER	17	95
OCTOBER	18	126
OCTOBER	19	144
OCTOBER	20	80
OCTOBER	21	106
OCTOBER	22	96
OCTOBER	23	160
OCTOBER	24	232
OCTOBER	25	205
OCTOBER	26	253
OCTOBER	27	190
OCTOBER	28	159
OCTOBER	29	142
OCTOBER	30	103
OCTOBER	31	87

DNR=DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=NOVEMBER

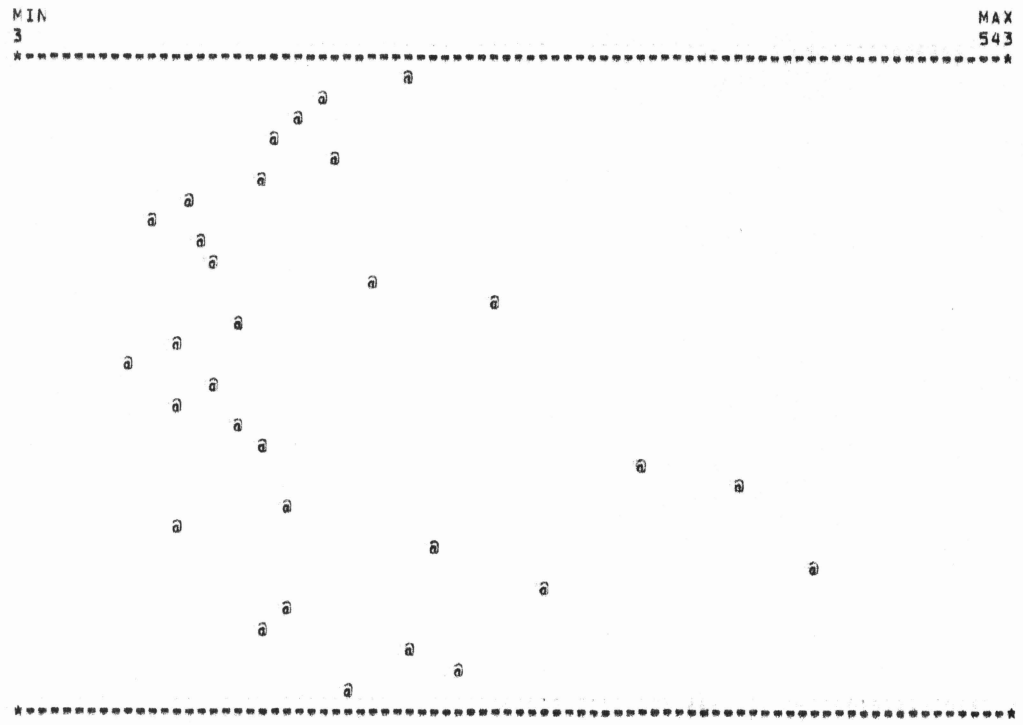
MONTH	DAY	AVG POWER* (KW)
NOVEMBER	1	82
NOVEMBER	2	125
NOVEMBER	3	148
NOVEMBER	4	210
NOVEMBER	5	130
NOVEMBER	6	141
NOVEMBER	7	148
NOVEMBER	8	75
NOVEMBER	9	82
NOVEMBER	10	108
NOVEMBER	11	105
NOVEMBER	12	111
NOVEMBER	13	126
NOVEMBER	14	121
NOVEMBER	15	147
NOVEMBER	16	241
NOVEMBER	17	234
NOVEMBER	18	286
NOVEMBER	19	225
NOVEMBER	20	196
NOVEMBER	21	194
NOVEMBER	22	158
NOVEMBER	23	154
NOVEMBER	24	154
NOVEMBER	25	173
NOVEMBER	26	152
NOVEMBER	27	138
NOVEMBER	28	102
NOVEMBER	29	164
NOVEMBER	30	166



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT. 1986 TO JULY 1988
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

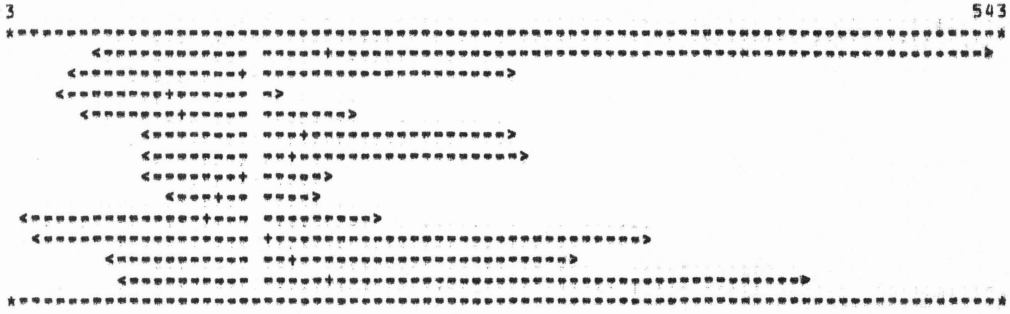
MONTH=DECEMBER

MONTH	DAY	AVG POWER* (KW)
DECEMBER	1	215
DECEMBER	2	166
DECEMBER	3	149
DECEMBER	4	139
DECEMBER	5	169
DECEMBER	6	134
DECEMBER	7	89
DECEMBER	8	72
DECEMBER	9	100
DECEMBER	10	107
DECEMBER	11	192
DECEMBER	12	261
DECEMBER	13	118
DECEMBER	14	86
DECEMBER	15	57
DECEMBER	16	102
DECEMBER	17	82
DECEMBER	18	118
DECEMBER	19	134
DECEMBER	20	339
DECEMBER	21	395
DECEMBER	22	147
DECEMBER	23	84
DECEMBER	24	229
DECEMBER	25	435
DECEMBER	26	290
DECEMBER	27	144
DECEMBER	28	134
DECEMBER	29	215
DECEMBER	30	242
DECEMBER	31	182



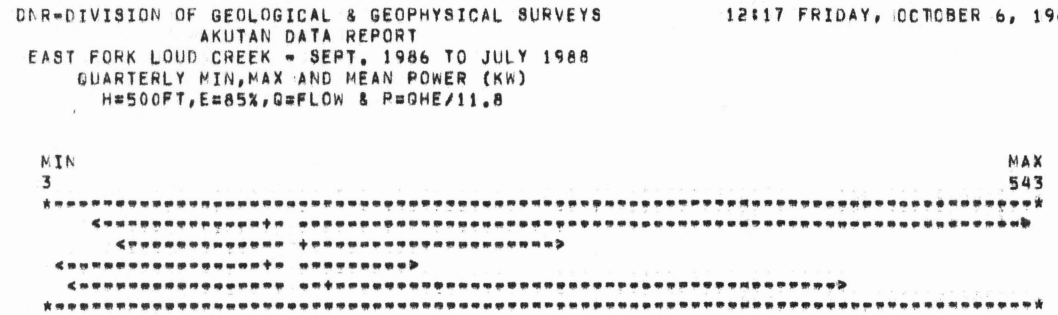
AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
MONTHLY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH	AVG POWER* (KW)
JANUARY	175
FEBRUARY	123
MARCH	86
APRIL	92
MAY	159
JUNE	153
JULY	127
AUGUST	112
SEPTEMBR	101
OCTOBER	137
NOVEMBER	154
DECEMBER	172



AKUTAN DATA REPORT
EAST FORK LOUD CREEK - SEPT, 1986 TO JULY 1988
QUARTERLY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

QUARTER	AVG POWER* (KW)
FIRST_QUARTER	118
SECOND_QUARTER	135
THIRD_QUARTER	116
FOURTH_QUARTER	151



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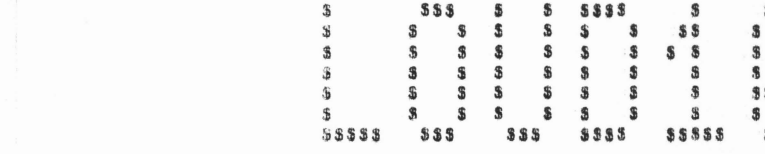


DNR'S GIS PROJECT

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

LOUD CREEK
STREAMFLOW DATA

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	28.95	28.95	28.95	28.95	.	1042.81	25027.5	1
2	39.66	39.66	39.66	39.66	.	1428.55	34285.3	1
3	1.94	1.94	1.94	1.94	.	69.99	1679.8	1
4	12.14	12.14	12.14	12.14	.	437.25	10493.9	1
5	23.97	23.97	23.97	23.97	.	863.21	20717.0	1
6	12.31	12.31	12.31	12.31	.	443.43	10642.3	1
7	11.00	11.00	11.00	11.00	.	396.19	9508.5	1
8	11.54	11.54	11.54	11.54	.	415.76	9978.1	1
9	20.27	20.27	20.27	20.27	.	730.12	17523.0	1
10	31.16	31.16	31.16	31.16	.	1122.47	26939.3	1
11	14.23	14.23	14.23	14.23	.	512.40	12297.6	1
12	3.56	3.56	3.56	3.56	.	128.28	3078.7	1
13	11.97	11.97	11.97	11.97	.	431.18	10348.4	1
14	11.71	11.71	11.71	11.71	.	421.82	10123.7	1
15	2.53	2.53	2.53	2.53	.	91.00	2184.1	1
16	36.15	36.15	36.15	36.15	.	1302.07	31249.8	1
17	14.07	14.07	14.07	14.06	.	506.58	12157.9	1
18	10.06	10.06	10.06	10.06	.	362.39	8697.4	1
19	7.87	7.87	7.87	7.87	.	283.33	6800.0	1
20	8.71	8.71	8.71	8.71	.	313.77	7530.4	1
21	6.03	6.03	6.03	6.03	.	217.24	5213.8	1
22	5.92	5.92	5.92	5.92	.	213.10	5114.4	1
23	6.38	6.38	6.38	6.38	.	229.91	5517.8	1
24	7.48	7.48	7.48	7.48	.	269.53	6468.7	1
25	26.47	26.47	26.47	26.48	.	953.55	22885.2	1
26	4.16	4.16	4.16	4.16	.	150.01	3600.3	1
27	1.97	1.97	1.97	1.97	.	70.89	1701.4	1
28	5.08	5.08	5.08	5.08	.	183.03	4392.6	1
29	5.58	5.58	5.58	5.58	.	200.85	4820.5	1
30	5.29	5.29	5.29	5.29	.	190.41	4569.8	1
31	5.34	5.34	5.34	5.34	.	192.21	4613.1	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	4.65	4.65	4.65	4.65	.	167.30	4015.2	1
2	4.28	4.28	4.28	4.28	.	154.27	3702.5	1
3	4.13	4.13	4.13	4.13	.	148.63	3567.1	1
4	4.03	4.03	4.03	4.03	.	145.15	3483.6	1
5	3.74	3.74	3.74	3.74	.	134.70	3232.9	1
6	2.88	2.88	2.88	2.88	.	103.61	2486.6	1
7	6.86	6.86	6.86	6.86	.	246.96	5927.0	1
8	3.02	3.02	3.02	3.02	.	108.65	2607.6	1
9	3.81	3.81	3.81	3.81	.	137.28	3294.8	1
10	4.72	4.72	4.72	4.72	.	170.12	4082.9	1
11	15.99	15.99	15.99	15.99	.	575.85	13820.4	1
12	3.47	3.47	3.47	3.48	.	125.16	3003.8	1
13	3.16	3.16	3.16	3.16	.	113.87	2733.0	1
14	3.27	3.27	3.27	3.27	.	117.66	2823.7	1
15	2.75	2.75	2.75	2.75	.	99.11	2378.6	1
16	3.00	3.00	3.00	3.00	.	108.11	2594.7	1
17	4.59	4.59	4.59	4.59	.	165.20	3964.8	1
18	2.81	2.81	2.81	2.81	.	101.09	2426.1	1
19	7.07	7.07	7.07	7.07	.	254.52	6108.5	1
20	1.24	1.24	1.24	1.24	.	44.60	1070.4	1
21	8.06	8.06	8.06	8.06	.	290.48	6971.5	1
22	1.25	1.25	1.25	1.25	.	45.02	1080.5	1
23	28.77	28.77	28.77	28.77	.	1036.39	24873.3	1
24	34.78	34.78	34.78	34.78	.	1252.79	30067.0	1
25	2.12	2.12	2.12	2.11	.	76.18	1828.2	1
26	2.50	2.50	2.50	2.50	.	90.16	2163.9	1
27	2.58	2.58	2.58	2.58	.	92.80	2227.3	1
28	2.50	2.50	2.50	2.50	.	90.16	2163.9	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	2.43	2.43	2.43	2.43	.	87.52	2100.5	1
2	2.43	2.43	2.43	2.43	.	87.52	2100.5	1
3	2.43	2.43	2.43	2.43	.	87.52	2100.5	1
4	2.71	2.71	2.71	2.71	.	97.55	2341.1	1
5	2.30	2.30	2.30	2.30	.	82.72	1985.3	1
6	2.03	2.03	2.03	2.03	.	73.11	1754.7	1
7	2.12	2.12	2.12	2.12	.	76.36	1832.5	1
8	2.07	2.07	2.07	2.07	.	74.74	1793.6	1
9	2.43	2.43	2.43	2.43	.	87.52	2100.5	1
10	2.20	2.20	2.20	2.20	.	79.12	1898.8	1
11	1.96	1.96	1.96	1.96	.	70.71	1697.1	1
12	4.61	4.61	4.61	4.61	.	166.04	3984.9	1
13	5.49	5.49	5.49	5.49	.	197.67	4744.2	1
14	4.06	4.06	4.06	4.06	.	146.05	3505.2	1
15	16.51	16.51	16.51	16.51	.	594.52	14268.5	1
16	25.62	25.62	25.62	25.62	.	922.82	22147.6	1
17	18.21	18.21	18.21	18.21	.	655.87	15740.9	1
18	12.07	12.07	12.07	12.07	.	434.61	10430.5	1
19	7.05	7.05	7.05	7.05	.	253.98	6095.5	1
20	4.54	4.54	4.54	4.53	.	163.34	3920.1	1
21	19.90	19.90	19.90	19.90	.	716.68	17200.3	1
22	47.04	47.04	47.04	47.04	.	1694.06	40657.4	1
23	12.86	12.86	12.86	12.86	.	463.12	11114.8	1
24	8.75	8.75	8.75	8.74	.	314.97	7559.2	1
25	9.10	9.10	9.10	9.10	.	327.81	7867.6	1
26	7.00	7.00	7.00	7.00	.	252.18	6052.3	1
27	5.15	5.15	5.15	5.15	.	185.55	4453.1	1
28	5.36	5.36	5.36	5.36	.	193.17	4636.1	1
29	4.64	4.64	4.64	4.64	.	167.18	4012.3	1
30	8.44	8.44	8.44	8.44	.	304.10	7298.5	1
31	4.94	4.94	4.94	4.94	.	177.98	4271.6	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.90	3.90	3.90	3.90	.	140.406	3369.8	1
2	9.15	9.15	9.15	9.15	.	329.556	7909.3	1
3	8.03	8.03	8.03	8.03	.	289.096	6938.3	1
4	6.28	6.28	6.28	6.28	.	226.127	5427.0	1
5	5.75	5.75	5.75	5.75	.	206.978	4967.5	1
6	5.44	5.44	5.44	5.44	.	195.932	4702.4	1
7	5.24	5.24	5.24	5.24	.	188.789	4530.9	1
8	5.56	5.56	5.56	5.56	.	200.255	4806.1	1
9	5.99	5.99	5.99	5.99	.	215.862	5180.7	1
10	5.92	5.92	5.92	5.92	.	213.221	5117.3	1
11	5.44	5.44	5.44	5.44	.	195.932	4702.4	1
12	5.32	5.32	5.32	5.32	.	191.610	4598.7	1
13	4.47	4.47	4.47	4.47	.	160.996	3863.9	1
14	12.64	12.64	12.64	12.64	.	455.315	10927.6	1
15	7.62	7.62	7.62	7.62	.	274.390	6585.3	1
16	4.05	4.05	4.05	4.05	.	145.749	3498.0	1
17	2.13	2.13	2.13	2.13	.	76.656	1839.7	1
18	2.96	2.96	2.96	2.96	.	106.670	2560.1	1
19	5.84	5.84	5.84	5.84	.	210.399	5049.6	1
20	3.82	3.82	3.82	3.82	.	137.705	3304.9	1
21	14.67	14.67	14.67	14.67	.	528.489	12683.7	1
22	4.46	4.46	4.46	4.46	.	160.696	3856.7	1
23	10.51	10.51	10.51	10.51	.	378.599	9086.4	1
24	2.37	2.37	2.37	2.37	.	85.300	2047.2	1
25	2.50	2.50	2.50	2.50	.	89.982	2159.6	1
26	3.36	3.36	3.36	3.36	.	121.137	2907.3	1
27	5.22	5.22	5.22	5.22	.	188.129	4515.1	1
28	3.58	3.58	3.58	3.58	.	128.941	3094.6	1
29	7.23	7.23	7.23	7.23	.	260.403	6249.7	1
30	7.25	7.25	7.25	7.25	.	261.003	6264.1	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	7.18	7.18	7.18	7.18	.	258.662	6207.9	1
2	6.51	6.51	6.51	6.51	.	234.531	5628.7	1
3	6.07	6.07	6.07	6.07	.	218.503	5244.1	1
4	6.50	6.50	6.50	6.50	.	234.171	5620.1	1
5	6.57	6.57	6.57	6.57	.	236.692	5680.6	1
6	7.01	7.01	7.01	7.01	.	252.299	6055.2	1
7	6.94	6.94	6.94	6.94	.	249.838	5996.1	1
8	9.88	9.88	9.88	9.88	.	355.788	8538.9	1
9	8.82	8.82	8.82	8.82	.	317.670	7624.1	1
10	9.15	9.15	9.15	9.15	.	329.556	7909.3	1
11	9.32	9.32	9.32	9.32	.	335.618	8054.8	1
12	8.33	8.33	8.33	8.33	.	299.962	7199.1	1
13	12.48	12.48	12.48	12.48	.	449.372	10784.9	1
14	5.65	5.65	5.65	5.65	.	203.316	4879.6	1
15	7.58	7.58	7.58	7.58	.	272.889	6549.3	1
16	9.91	9.91	9.91	9.91	.	356.868	8564.8	1
17	12.82	12.82	12.82	12.82	.	461.858	11084.6	1
18	14.83	14.83	14.83	14.83	.	534.012	12816.3	1
19	14.09	14.09	14.09	14.09	.	507.540	12180.9	1
20	9.00	9.00	9.00	9.00	.	324.213	7781.1	1
21	12.02	12.02	12.02	12.02	.	432.924	10390.2	1
22	15.59	15.59	15.59	15.59	.	561.625	13479.0	1
23	16.05	16.05	16.05	16.05	.	578.073	13873.7	1
24	15.80	15.80	15.80	15.80	.	569.069	13657.6	1
25	27.24	27.24	27.24	27.24	.	981.103	23546.5	1
26	17.53	17.53	17.53	17.53	.	631.498	15156.0	1
27	13.34	13.34	13.34	13.34	.	480.527	11532.6	1
28	12.91	12.91	12.91	12.91	.	465.039	11160.9	1
29	11.18	11.18	11.18	11.18	.	402.670	9664.1	1
30	10.17	10.17	10.17	10.17	.	366.353	8792.5	1
31	10.80	10.80	10.80	10.80	.	388.924	9334.2	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	10.51	10.51	10.51	10.51	.	378.42	9082.0	1
2	10.68	10.68	10.68	10.68	.	384.66	9231.9	1
3	15.90	11.35	20.44	15.90	6.43	572.52	13740.5	2
4	16.94	10.86	23.01	16.94	8.59	610.01	14640.2	2
5	21.88	20.68	23.07	21.88	1.69	787.96	18911.1	2
6	20.38	19.38	21.37	20.38	1.40	733.85	17612.3	2
7	17.05	16.63	17.46	17.04	0.59	613.91	14733.8	2
8	15.49	15.42	15.55	15.49	0.09	557.81	13387.5	2
9	24.57	23.53	25.62	24.57	1.48	885.06	21241.4	2
10	31.02	30.77	31.28	31.02	0.36	1117.34	26816.1	2
11	35.13	32.19	38.08	35.14	4.16	1265.46	30371.0	2
12	30.67	28.93	32.42	30.67	2.47	1104.76	26514.3	2
13	18.36	15.57	21.15	18.36	3.95	661.33	15872.0	2
14	16.65	15.52	17.77	16.65	1.59	599.50	14388.1	2
15	12.73	10.71	14.76	12.73	2.87	458.62	11006.8	2
16	19.71	13.89	25.52	19.71	8.22	709.78	17034.6	2
17	14.67	12.18	17.17	14.67	3.53	528.46	12683.0	2
18	16.26	16.06	16.45	16.26	0.28	585.46	14051.0	2
19	15.51	14.96	16.07	15.51	0.78	558.77	13410.6	2
20	13.55	11.32	15.78	13.55	3.15	487.94	11710.6	2
21	13.40	12.49	14.31	13.40	1.29	482.66	11583.8	2
22	12.93	12.29	13.57	12.93	0.90	465.73	11177.5	2
23	11.62	11.30	11.94	11.62	0.45	418.58	10045.9	2
24	10.60	10.19	11.01	10.60	0.58	381.81	9163.4	2
25	10.55	9.33	11.76	10.55	1.72	379.89	9117.3	2
26	10.24	9.40	11.08	10.24	1.19	368.72	8849.4	2
27	9.16	8.01	10.30	9.16	1.61	329.77	7914.4	2
28	8.68	8.03	9.32	8.68	0.92	312.48	7499.5	2
29	7.53	6.10	8.97	7.53	2.04	271.36	6512.6	2
30	6.64	4.13	9.15	6.64	3.55	239.12	5738.9	2

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	8.10	6.72	9.48	8.10	1.95	291.858	7004.6	2
2	8.29	7.24	9.33	8.29	1.48	298.431	7162.3	2
3	7.11	5.83	8.40	7.11	1.81	256.231	6149.5	2
4	8.09	7.47	8.71	8.09	0.88	291.438	6994.5	2
5	9.19	7.35	11.04	9.19	2.61	331.146	7947.5	2
6	8.28	7.07	9.49	8.28	1.71	298.251	7158.0	2
7	7.52	7.00	8.04	7.52	0.74	270.818	6499.6	2
8	7.90	6.46	9.33	7.89	2.03	284.354	6824.5	2
9	10.89	5.89	15.89	10.89	7.07	392.315	9415.6	2
10	13.09	5.72	20.46	13.09	10.42	471.403	11313.7	2
11	9.63	5.29	13.98	9.63	6.14	346.874	8325.0	2
12	9.29	6.09	12.49	9.29	4.53	334.568	8029.6	2
13	10.40	9.10	11.69	10.40	1.83	374.457	8987.0	2
14	8.25	6.32	10.19	8.25	2.74	297.290	7135.0	2
15	5.99	5.79	6.18	5.99	0.28	215.562	5173.5	2
16	4.55	3.05	6.05	4.55	2.12	163.967	3935.2	2
17	7.72	6.05	9.39	7.72	2.36	278.081	6674.0	2
18	7.43	5.92	8.94	7.43	2.14	267.636	6423.3	2
19	8.19	5.29	11.10	8.19	4.11	295.069	7081.7	2
20	8.18	7.61	8.74	8.18	0.80	294.529	7068.7	2
21	6.67	5.13	8.22	6.67	2.19	240.293	5767.0	2
22	8.52	6.46	10.58	8.52	2.92	306.865	7364.8	2
23	8.66	6.45	10.87	8.66	3.13	311.787	7482.9	2
24	7.59	6.45	8.74	7.59	1.62	273.489	6563.7	2
25	8.68	6.05	11.32	8.68	3.72	312.748	7505.9	2
26	8.30	6.05	10.55	8.30	3.18	298.971	7175.3	2
27	6.43	6.24	6.62	6.43	0.27	231.679	5560.3	2
28	10.14	5.02	15.27	10.14	7.25	365.332	8768.0	2
29	6.65	4.64	8.65	6.65	2.84	239.513	5748.3	2
30	6.70	4.91	8.49	6.70	2.53	241.344	5792.3	2
31	9.41	7.89	10.94	9.41	2.16	339.040	8137.0	2

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	8.80	7.48	10.12	8.80	1.86	316.890	7605.3	2
2	7.83	6.53	9.13	7.83	1.83	281.983	6767.6	2
3	6.61	5.44	7.78	6.61	1.66	237.922	5710.1	2
4	4.99	2.85	7.14	4.99	3.03	179.875	4317.0	2
5	7.08	6.72	7.43	7.07	0.50	254.820	6115.7	2
6	6.69	6.45	6.94	6.69	0.35	241.074	5785.8	2
7	7.11	6.94	7.28	7.11	0.24	256.081	6145.9	2
8	6.86	6.17	7.55	6.86	0.98	247.017	5928.4	2
9	10.77	5.26	16.28	10.77	7.79	387.963	9311.1	2
10	11.32	5.09	17.55	11.32	8.80	407.682	9784.4	2
11	10.16	3.91	16.42	10.17	8.84	366.113	8786.7	2
12	13.04	3.84	22.25	13.04	13.02	469.692	11272.6	2
13	11.48	3.62	19.33	11.48	11.11	413.385	9921.2	2
14	9.78	3.50	16.05	9.78	8.87	352.126	8451.0	2
15	3.50	3.50	3.50	3.50	.	126.180	3028.3	1
16	3.62	3.62	3.62	3.62	.	130.442	3130.6	1
17	3.27	3.27	3.27	3.27	.	117.656	2823.7	1
18	3.07	3.07	3.07	3.07	.	110.632	2655.2	1
19	2.65	2.65	2.65	2.65	.	95.325	2287.8	1
20	2.72	2.72	2.72	2.72	.	98.086	2354.1	1
21	2.80	2.80	2.80	2.80	.	100.848	2420.3	1
22	4.09	4.09	4.09	4.10	.	147.490	3539.8	1
23	4.42	4.42	4.42	4.42	.	159.135	3819.2	1
24	5.18	5.18	5.18	5.18	.	186.388	4473.3	1
25	4.67	4.67	4.67	4.67	.	168.319	4039.7	1
26	3.17	3.17	3.17	3.17	.	114.114	2738.7	1
27	3.34	3.34	3.34	3.34	.	120.237	2885.7	1
28	6.94	6.94	6.94	6.94	.	249.958	5999.0	1
29	4.75	4.75	4.75	4.75	.	171.201	4108.8	1
30	4.43	4.43	4.43	4.43	.	159.495	3827.9	1
31	4.13	4.13	4.13	4.13	.	148.630	3567.1	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	3.93	3.93	3.93	3.93	.	141.667	3400.0	1
2	4.13	4.13	4.13	4.13	.	148.630	3567.1	1
3	4.64	4.64	4.64	4.65	.	167.299	4015.2	1
4	7.44	7.44	7.44	7.44	.	268.027	6432.6	1
5	7.14	7.14	7.14	7.14	.	257.161	6171.9	1
6	6.85	6.85	6.85	6.85	.	246.837	5924.1	1
7	6.42	6.42	6.42	6.42	.	231.229	5549.5	1
8	6.05	6.05	6.05	6.05	.	217.963	5231.1	1
9	5.45	5.45	5.45	5.44	.	196.113	4706.7	1
10	5.92	5.92	5.92	5.92	.	213.221	5117.3	1
11	4.97	4.97	4.97	4.97	.	179.004	4296.1	1
12	6.48	6.48	6.48	6.48	.	233.270	5598.5	1
13	8.70	8.70	8.70	8.70	.	313.348	7520.3	1
14	9.66	9.66	9.66	9.66	.	347.924	8350.2	1
15	9.83	9.83	9.83	9.83	.	354.047	8497.1	1
16	10.46	10.46	10.46	10.45	.	376.558	9037.4	1
17	12.70	12.70	12.70	12.70	.	457.416	10978.0	1
18	11.71	11.71	11.71	11.70	.	421.579	10117.9	1
19	11.70	11.70	11.70	11.70	.	421.579	10117.9	1
20	10.19	10.19	10.19	10.19	.	367.133	8811.2	1
21	9.15	9.15	9.15	9.15	.	329.556	7909.3	1
22	7.98	7.98	7.98	7.98	.	287.536	6900.9	1
23	6.85	6.85	6.85	6.85	.	246.837	5924.1	1
24	7.43	7.43	7.43	7.43	.	267.486	6419.7	1
25	13.66	13.66	13.66	13.66	.	492.112	11810.7	1
26	13.75	13.75	13.75	13.75	.	495.234	11885.6	1
27	13.33	13.33	13.33	13.33	.	480.107	11522.6	1
28	11.97	11.97	11.97	11.97	.	431.003	10344.1	1
29	10.19	10.19	10.19	10.19	.	367.133	8811.2	1
30	8.98	8.98	8.98	8.98	.	323.433	7762.4	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT.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	7.43	7.43	7.43	7.43	.	267.49	6419.7	1
2	6.85	6.85	6.85	6.85	.	246.84	5924.1	1
3	6.32	6.32	6.32	6.31	.	227.45	5458.7	1
4	5.92	5.92	5.92	5.92	.	213.22	5117.3	1
5	5.45	5.45	5.45	5.44	.	196.11	4706.7	1
6	6.18	6.18	6.18	6.18	.	222.71	5344.9	1
7	5.92	5.92	5.92	5.92	.	213.22	5117.3	1
8	5.29	5.29	5.29	5.29	.	190.41	4569.8	1
9	7.63	7.63	7.63	7.63	.	274.93	6598.3	1
10	6.71	6.71	6.71	6.71	.	241.67	5800.2	1
11	9.03	9.03	9.03	9.03	.	325.35	7808.5	1
12	11.29	11.29	11.29	11.29	.	406.63	9759.2	1
13	17.21	17.21	17.21	17.21	.	619.79	14875.0	1
14	21.97	21.97	21.97	21.97	.	791.23	18989.6	1
15	12.70	12.70	12.70	12.70	.	457.42	10978.0	1
16	12.93	12.93	12.93	12.93	.	465.82	11179.7	1
17	21.95	21.95	21.95	21.95	.	790.69	18976.6	1
18	24.08	24.08	24.08	24.08	.	867.35	20816.4	1
19	27.10	27.10	27.10	27.10	.	976.00	23424.0	1
20	27.70	27.70	27.70	27.71	.	997.85	23948.4	1
21	25.68	25.68	25.68	25.68	.	925.04	22200.9	1
22	28.20	28.20	28.20	28.20	.	1015.80	24379.2	1
23	26.33	26.33	26.33	26.33	.	948.39	22761.3	1
24	19.39	19.39	19.39	19.40	.	698.55	16765.2	1
25	17.23	17.23	17.23	17.23	.	620.39	14889.4	1
26	14.75	14.75	14.75	14.75	.	531.13	12747.1	1
27	13.12	13.12	13.12	13.12	.	472.54	11341.0	1
28	11.44	11.44	11.44	11.44	.	412.15	9891.7	1
29	10.19	10.19	10.19	10.19	.	367.13	8811.2	1
30	9.83	9.83	9.83	9.83	.	354.05	8497.1	1
31	8.98	8.98	8.98	8.98	.	323.43	7762.4	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,E=85%,Q=FLOW & P=QHE/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	9.33	9.33	9.33	9.33	.	336.099	8066.4	1
2	9.42	9.42	9.42	9.42	.	339.400	8145.6	1
3	7.14	7.14	7.14	7.14	.	257.161	6171.9	1
4	6.71	6.71	6.71	6.71	.	241.674	5800.2	1
5	6.57	6.57	6.57	6.57	.	236.692	5680.6	1
6	5.92	5.92	5.92	5.92	.	213.221	5117.3	1
7	6.30	6.30	6.30	6.30	.	226.907	5445.8	1
8	10.30	10.30	10.30	10.30	.	370.855	8900.5	1
9	20.56	20.56	20.56	20.56	.	740.510	17772.2	1
10	12.49	12.49	12.49	12.49	.	449.852	10796.5	1
11	11.71	11.71	11.71	11.70	.	421.579	10117.9	1
12	11.00	11.00	11.00	11.00	.	396.187	9508.5	1
13	13.62	13.62	13.62	13.61	.	490.371	11768.9	1
14	14.88	14.88	14.88	14.88	.	535.753	12858.1	1
15	13.98	13.98	13.98	13.98	.	503.338	12080.1	1
16	12.43	12.43	12.43	12.43	.	447.691	10744.6	1
17	11.64	11.64	11.64	11.64	.	419.398	10064.6	1
18	9.29	9.29	9.29	9.30	.	334.778	8034.7	1
19	8.98	8.98	8.98	8.98	.	323.433	7762.4	1
20	7.78	7.78	7.78	7.78	.	280.092	6722.2	1
21	6.85	6.85	6.85	6.85	.	246.837	5924.1	1
22	6.71	6.71	6.71	6.71	.	241.674	5800.2	1
23	5.89	5.89	5.89	5.89	.	212.260	5094.2	1
24	5.29	5.29	5.29	5.29	.	190.410	4569.8	1
25	4.64	4.64	4.64	4.65	.	167.299	4015.2	1
26	4.43	4.43	4.43	4.43	.	159.495	3827.9	1
27	4.53	4.53	4.53	4.52	.	162.977	3911.4	1
28	6.30	6.30	6.30	6.30	.	226.907	5445.8	1
29	4.86	4.86	4.86	4.86	.	175.103	4202.5	1
30	4.89	4.89	4.89	4.89	.	176.003	4224.1	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN DAILY DISCHARGE SUMMARY
H=500FT,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	6.85	6.85	6.85	6.85	.	246.84	5924.1	1
2	6.85	6.85	6.85	6.85	.	246.84	5924.1	1
3	10.45	10.45	10.45	10.45	.	376.56	9037.4	1
4	11.73	11.73	11.73	11.73	.	422.60	10142.4	1
5	10.02	10.02	10.02	10.02	.	361.01	8664.2	1
6	8.98	8.98	8.98	8.98	.	323.43	7762.4	1
7	11.88	11.88	11.88	11.88	.	427.76	10266.3	1
8	11.99	11.99	11.99	11.99	.	431.72	10361.4	1
9	20.79	20.79	20.79	20.79	.	748.79	17971.0	1
10	28.43	28.43	28.43	28.43	.	1024.02	24576.6	1
11	23.47	23.47	23.47	23.46	.	845.14	20283.3	1
12	19.67	19.67	19.67	19.67	.	708.33	17000.0	1
13	18.19	18.19	18.19	18.19	.	655.27	15726.5	1
14	20.57	20.57	20.57	20.57	.	740.99	17783.8	1
15	19.19	19.19	19.19	19.19	.	691.29	16590.9	1
16	38.34	38.34	38.34	38.34	.	1380.83	33140.0	1
17	26.35	26.35	26.35	26.35	.	949.17	22780.0	1
18	27.48	27.48	27.48	27.48	.	989.63	23751.1	1
19	26.14	26.14	26.14	26.14	.	941.54	22597.1	1
20	24.17	24.17	24.17	24.17	.	870.41	20889.9	1
21	25.46	25.46	25.46	25.46	.	916.87	22004.9	1
22	8.60	8.60	8.60	8.60	.	309.57	7429.6	1
23	24.33	24.33	24.33	24.33	.	876.29	21031.0	1
24	16.07	16.07	16.07	16.07	.	578.61	13886.7	1
25	25.25	25.25	25.25	25.25	.	909.31	21823.4	1
26	40.32	40.32	40.32	40.32	.	1452.39	34857.3	1
27	47.62	47.62	47.62	47.62	.	1715.19	41164.5	1
28	41.84	41.84	41.84	41.84	.	1507.01	36168.3	1
29	59.52	59.52	59.52	59.52	.	2143.79	51451.0	1
30	25.81	25.81	25.81	25.81	.	929.54	22308.9	1
31	8.98	8.98	8.98	8.98	.	323.43	7762.4	1

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MEAN MONTHLY DISCHARGE SUMMARY
H=500FT,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	12.69	1.94	39.66	10.06	10.29	457.205	334016	31
FEBRUARY	6.14	1.24	34.78	3.61	7.81	221.279	161658	28
MARCH	8.27	1.96	47.04	4.94	9.37	297.938	217662	31
APRIL	5.89	2.13	14.67	5.44	2.89	212.144	154984	30
MAY	11.01	5.65	27.24	9.91	4.52	396.489	289659	31
JUNE	16.15	4.13	38.08	14.86	7.34	581.730	424989	58
JULY	8.25	3.05	20.46	7.54	3.03	297.269	217173	62
AUGUST	6.93	2.65	22.25	5.26	4.81	249.542	182305	45
SEPTEMBR	8.59	3.93	13.75	8.34	2.93	309.348	225997	30
OCTOBER	14.03	5.29	28.20	11.44	7.78	505.187	369069	31
NOVEMBER	8.81	4.43	20.56	7.46	3.83	317.464	231926	30
DECEMBER	22.43	6.85	59.52	20.79	12.70	807.877	590202	31

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
MEAN QUARTERLY DISCHARGE SUMMARY
H=500FT,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	9.13	1.24	47.04	5.22	9.56	328.947	720888	90
SECOND_QUARTER	12.22	2.13	38.08	10.80	7.17	440.301	964920	119
THIRD_QUARTER	7.89	2.65	22.25	7.00	3.73	284.237	622906	137
FOURTH_QUARTER	15.16	4.43	59.52	11.67	10.47	545.966	1196485	92

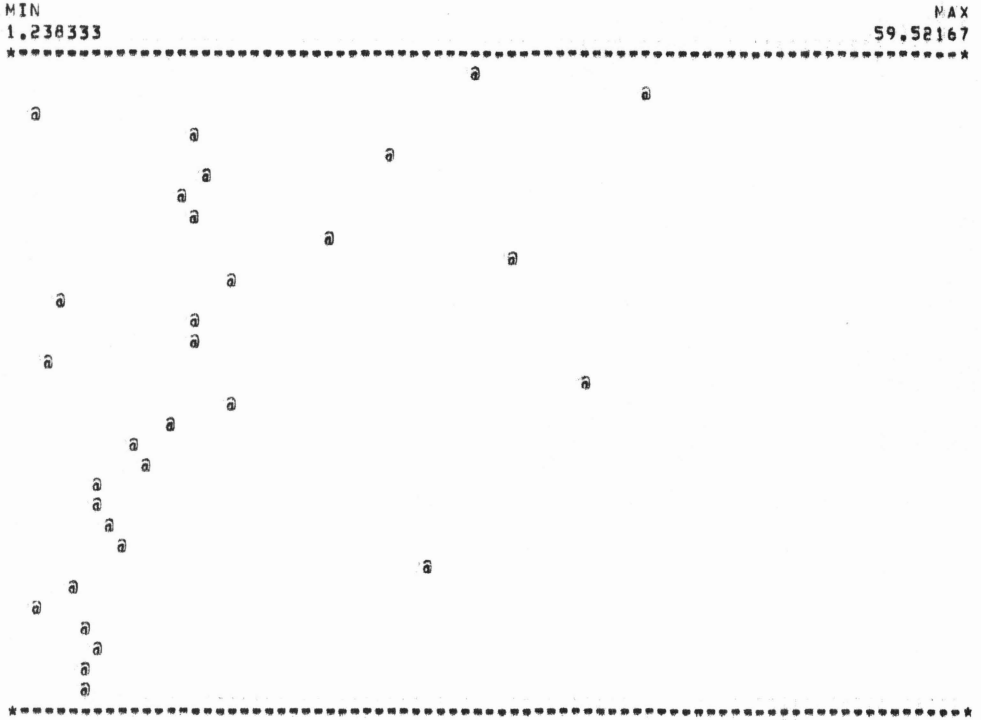
AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
OVERALL MEAN DISCHARGE
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

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	10.85	1.24	59.52	8.63	8.21	390.8	3425755	438

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
TIMEPLOT OF DAILY MEANS

MONTH=JANUARY

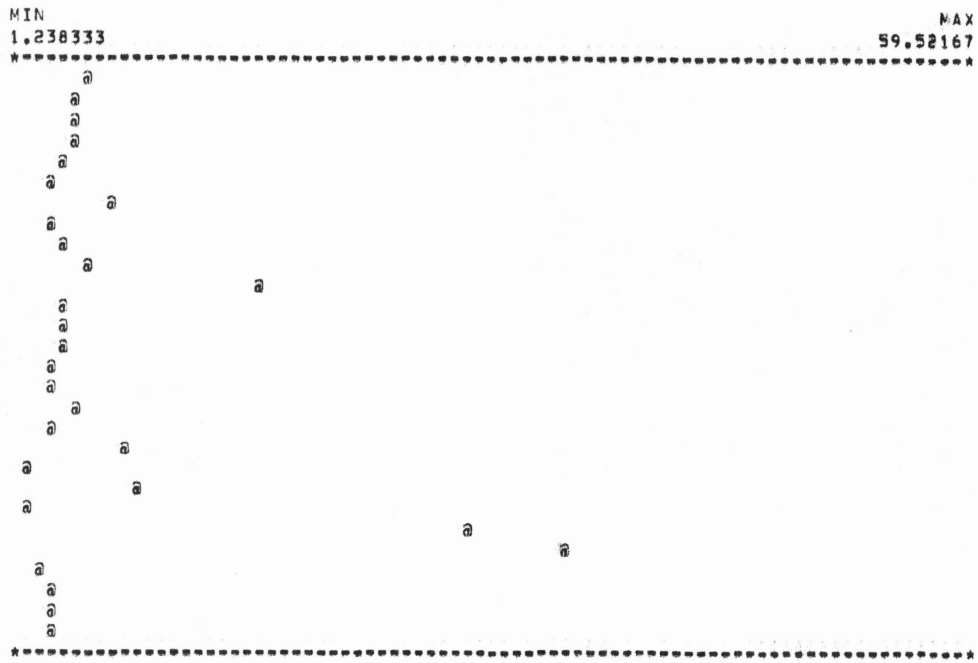
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	1	28.95	28.95	28.95
JANUARY	2	39.66	39.66	39.66
JANUARY	3	1.94	1.94	1.94
JANUARY	4	12.14	12.14	12.14
JANUARY	5	23.97	23.97	23.97
JANUARY	6	12.31	12.31	12.31
JANUARY	7	11.00	11.00	11.00
JANUARY	8	11.54	11.54	11.54
JANUARY	9	20.27	20.27	20.27
JANUARY	10	31.16	31.16	31.16
JANUARY	11	14.23	14.23	14.23
JANUARY	12	3.56	3.56	3.56
JANUARY	13	11.97	11.97	11.97
JANUARY	14	11.71	11.71	11.71
JANUARY	15	2.53	2.53	2.53
JANUARY	16	36.15	36.15	36.15
JANUARY	17	14.07	14.07	14.07
JANUARY	18	10.06	10.06	10.06
JANUARY	19	7.87	7.87	7.87
JANUARY	20	8.71	8.71	8.71
JANUARY	21	6.03	6.03	6.03
JANUARY	22	5.92	5.92	5.92
JANUARY	23	6.38	6.38	6.38
JANUARY	24	7.48	7.48	7.48
JANUARY	25	26.47	26.47	26.47
JANUARY	26	4.16	4.16	4.16
JANUARY	27	1.97	1.97	1.97
JANUARY	28	5.08	5.08	5.08
JANUARY	29	5.58	5.58	5.58
JANUARY	30	5.29	5.29	5.29
JANUARY	31	5.34	5.34	5.34



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=FEBRUARY

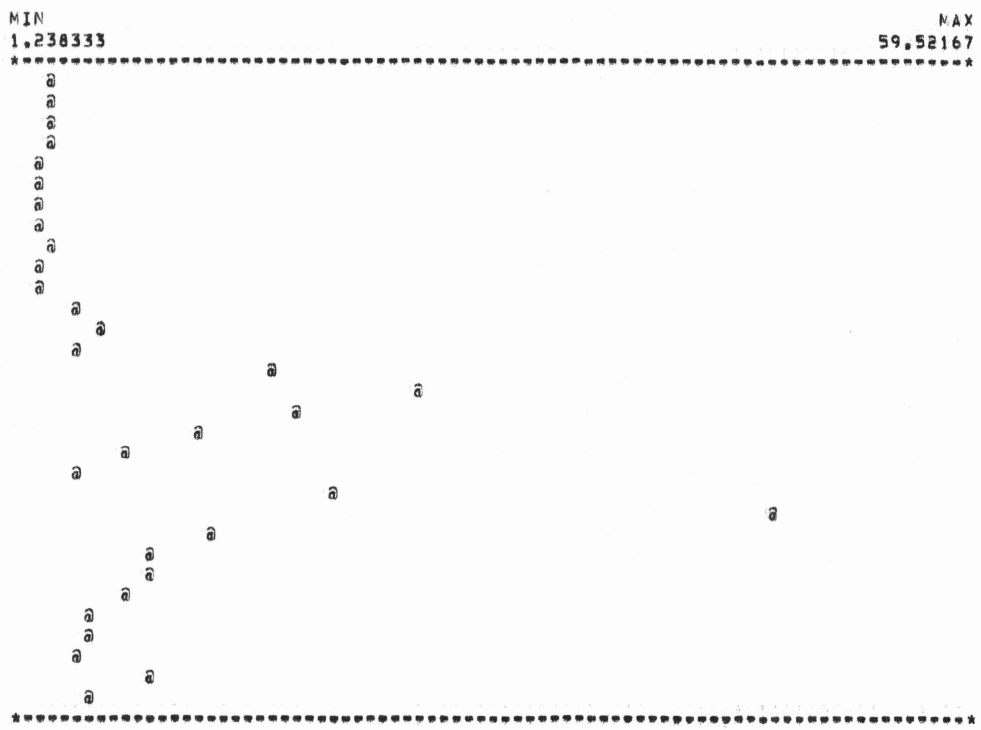
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FEBRUARY	1	4.65	4.65	4.65
FEBRUARY	2	4.28	4.28	4.28
FEBRUARY	3	4.13	4.13	4.13
FEBRUARY	4	4.03	4.03	4.03
FEBRUARY	5	3.74	3.74	3.74
FEBRUARY	6	2.88	2.88	2.88
FEBRUARY	7	6.86	6.86	6.86
FEBRUARY	8	3.02	3.02	3.02
FEBRUARY	9	3.81	3.81	3.81
FEBRUARY	10	4.72	4.72	4.72
FEBRUARY	11	15.99	15.99	15.99
FEBRUARY	12	3.47	3.47	3.47
FEBRUARY	13	3.16	3.16	3.16
FEBRUARY	14	3.27	3.27	3.27
FEBRUARY	15	2.75	2.75	2.75
FEBRUARY	16	3.00	3.00	3.00
FEBRUARY	17	4.59	4.59	4.59
FEBRUARY	18	2.81	2.81	2.81
FEBRUARY	19	7.07	7.07	7.07
FEBRUARY	20	1.24	1.24	1.24
FEBRUARY	21	8.06	8.06	8.06
FEBRUARY	22	1.25	1.25	1.25
FEBRUARY	23	28.77	28.77	28.77
FEBRUARY	24	34.78	34.78	34.78
FEBRUARY	25	2.12	2.12	2.12
FEBRUARY	26	2.50	2.50	2.50
FEBRUARY	27	2.58	2.58	2.58
FEBRUARY	28	2.50	2.50	2.50



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=MARCH

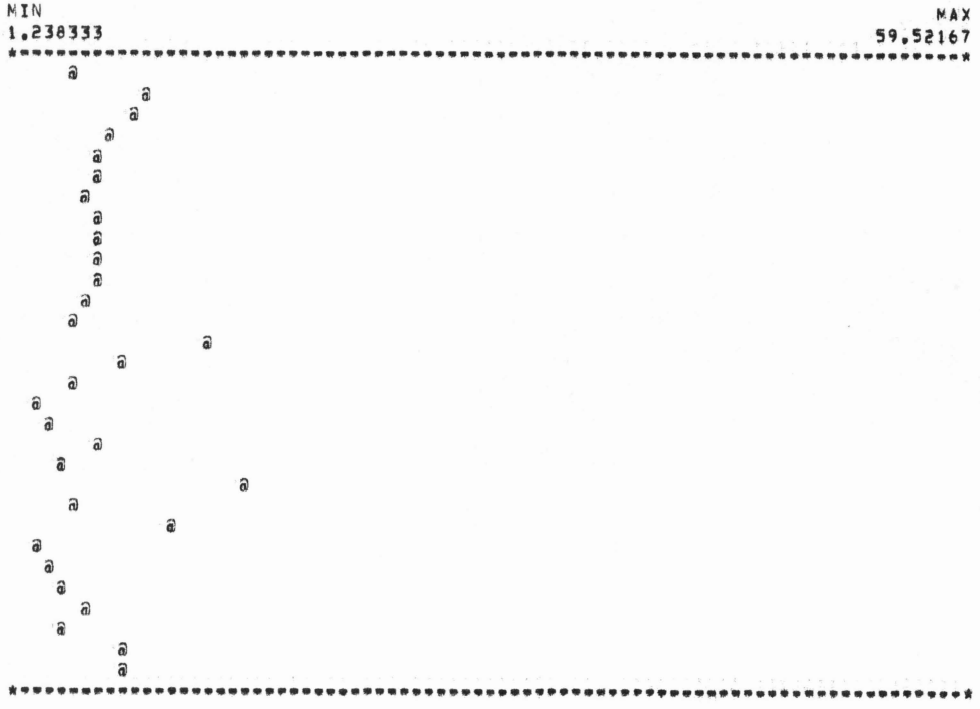
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MARCH	1	2.43	2.43	2.43
MARCH	2	2.43	2.43	2.43
MARCH	3	2.43	2.43	2.43
MARCH	4	2.71	2.71	2.71
MARCH	5	2.30	2.30	2.30
MARCH	6	2.03	2.03	2.03
MARCH	7	2.12	2.12	2.12
MARCH	8	2.07	2.07	2.07
MARCH	9	2.43	2.43	2.43
MARCH	10	2.20	2.20	2.20
MARCH	11	1.96	1.96	1.96
MARCH	12	4.61	4.61	4.61
MARCH	13	5.49	5.49	5.49
MARCH	14	4.06	4.06	4.06
MARCH	15	16.51	16.51	16.51
MARCH	16	25.62	25.62	25.62
MARCH	17	18.21	18.21	18.21
MARCH	18	12.07	12.07	12.07
MARCH	19	7.05	7.05	7.05
MARCH	20	4.54	4.54	4.54
MARCH	21	19.90	19.90	19.90
MARCH	22	47.04	47.04	47.04
MARCH	23	12.86	12.86	12.86
MARCH	24	8.75	8.75	8.75
MARCH	25	9.10	9.10	9.10
MARCH	26	7.00	7.00	7.00
MARCH	27	5.15	5.15	5.15
MARCH	28	5.36	5.36	5.36
MARCH	29	4.64	4.64	4.64
MARCH	30	8.44	8.44	8.44
MARCH	31	4.94	4.94	4.94



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=APRIL

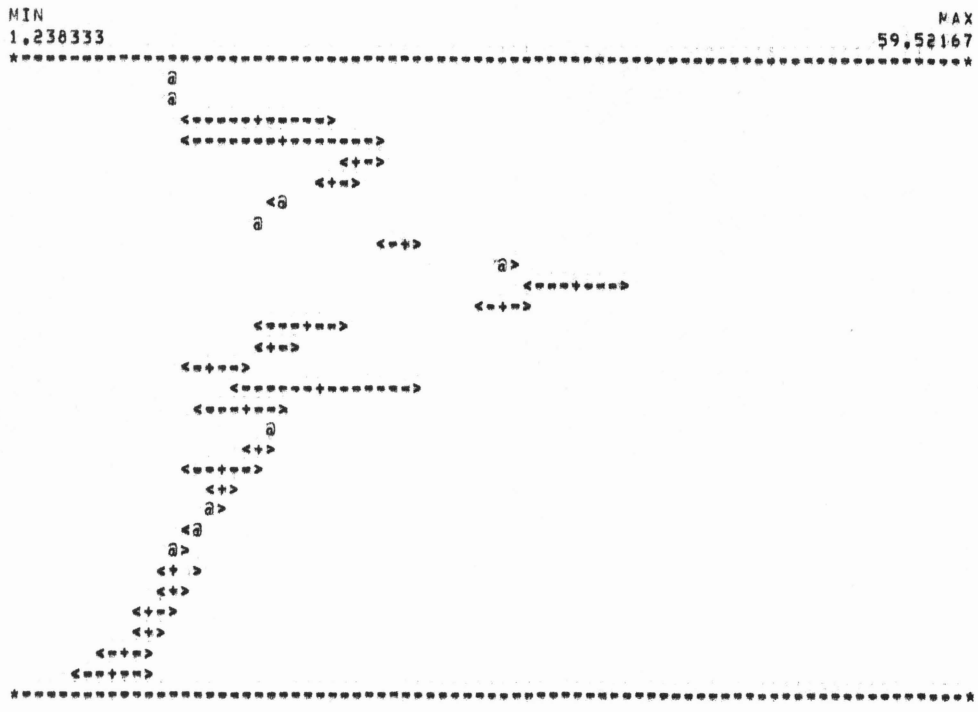
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
APRIL	1	3.90	3.90	3.90
APRIL	2	9.15	9.15	9.15
APRIL	3	8.03	8.03	8.03
APRIL	4	6.28	6.28	6.28
APRIL	5	5.75	5.75	5.75
APRIL	6	5.44	5.44	5.44
APRIL	7	5.24	5.24	5.24
APRIL	8	5.56	5.56	5.56
APRIL	9	5.99	5.99	5.99
APRIL	10	5.92	5.92	5.92
APRIL	11	5.44	5.44	5.44
APRIL	12	5.32	5.32	5.32
APRIL	13	4.47	4.47	4.47
APRIL	14	12.64	12.64	12.64
APRIL	15	7.62	7.62	7.62
APRIL	16	4.05	4.05	4.05
APRIL	17	2.13	2.13	2.13
APRIL	18	2.96	2.96	2.96
APRIL	19	5.84	5.84	5.84
APRIL	20	3.82	3.82	3.82
APRIL	21	14.67	14.67	14.67
APRIL	22	4.46	4.46	4.46
APRIL	23	10.51	10.51	10.51
APRIL	24	2.37	2.37	2.37
APRIL	25	2.50	2.50	2.50
APRIL	26	3.36	3.36	3.36
APRIL	27	5.22	5.22	5.22
APRIL	28	3.58	3.58	3.58
APRIL	29	7.23	7.23	7.23
APRIL	30	7.25	7.25	7.25



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=JUNE

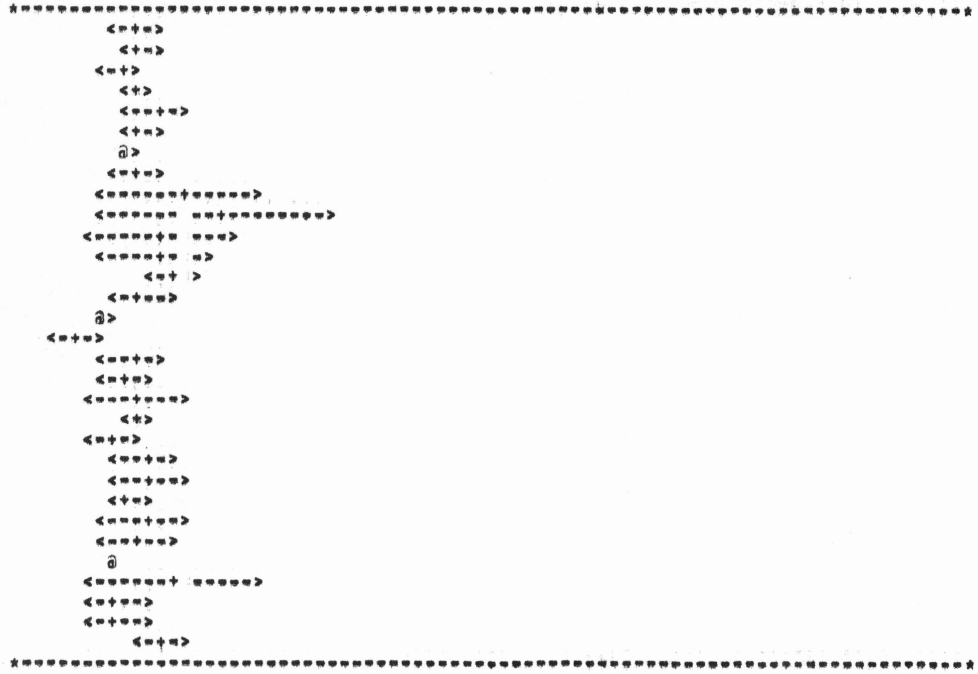
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JUNE	1	10.51	10.51	10.51
JUNE	2	10.68	10.68	10.68
JUNE	3	15.90	20.44	11.35
JUNE	4	16.94	23.01	10.86
JUNE	5	21.88	23.07	20.68
JUNE	6	20.38	21.37	19.38
JUNE	7	17.05	17.46	16.63
JUNE	8	15.49	15.55	15.42
JUNE	9	24.57	25.62	23.53
JUNE	10	31.02	31.28	30.77
JUNE	11	35.13	38.08	32.19
JUNE	12	30.67	32.42	28.93
JUNE	13	18.36	21.15	15.57
JUNE	14	16.65	17.77	15.52
JUNE	15	12.73	14.76	10.71
JUNE	16	19.71	25.52	13.89
JUNE	17	14.67	17.17	12.18
JUNE	18	16.26	16.45	16.06
JUNE	19	15.51	16.07	14.96
JUNE	20	13.55	15.78	11.32
JUNE	21	13.40	14.31	12.49
JUNE	22	12.93	13.57	12.29
JUNE	23	11.62	11.94	11.30
JUNE	24	10.60	11.01	10.19
JUNE	25	10.55	11.76	9.33
JUNE	26	10.24	11.08	9.40
JUNE	27	9.16	10.30	8.01
JUNE	28	8.68	9.32	8.03
JUNE	29	7.53	8.97	6.10
JUNE	30	6.64	9.15	4.13



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=JULY

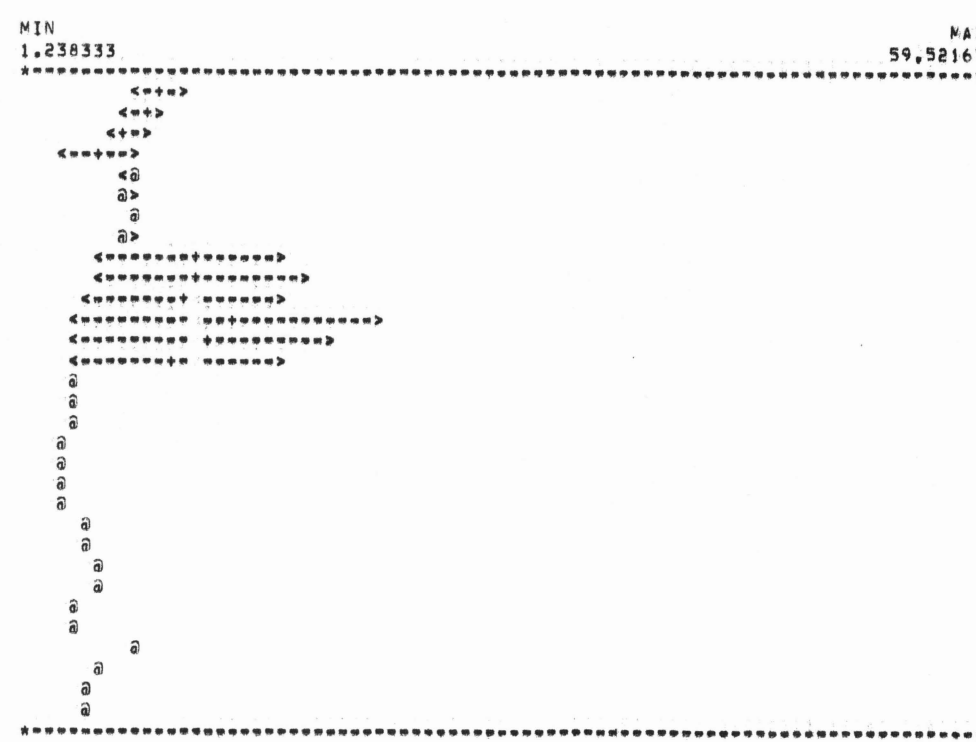
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW	MIN 1.238333 ... MAX 59.52167
JULY	1	8.10	9.48	6.72	
JULY	2	8.29	9.33	7.24	
JULY	3	7.11	8.40	5.83	
JULY	4	8.09	8.71	7.47	
JULY	5	9.19	11.04	7.35	
JULY	6	8.28	9.49	7.07	
JULY	7	7.52	8.04	7.00	
JULY	8	7.90	9.33	6.46	
JULY	9	10.89	15.89	5.89	
JULY	10	13.09	20.46	5.72	
JULY	11	9.63	13.98	5.29	
JULY	12	9.29	12.49	6.09	
JULY	13	10.40	11.69	9.10	
JULY	14	8.25	10.19	6.32	
JULY	15	5.99	6.18	5.79	
JULY	16	4.55	6.05	3.05	
JULY	17	7.72	9.39	6.05	
JULY	18	7.43	8.94	5.92	
JULY	19	8.19	11.10	5.29	
JULY	20	8.18	8.74	7.61	
JULY	21	6.67	8.22	5.13	
JULY	22	8.52	10.58	6.46	
JULY	23	8.66	10.87	6.45	
JULY	24	7.59	8.74	6.45	
JULY	25	8.68	11.32	6.05	
JULY	26	8.30	10.55	6.05	
JULY	27	6.43	6.62	6.24	
JULY	28	10.14	15.27	5.02	
JULY	29	6.65	8.65	4.64	
JULY	30	6.70	8.49	4.91	
JULY	31	9.41	10.94	7.89	



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=AUGUST

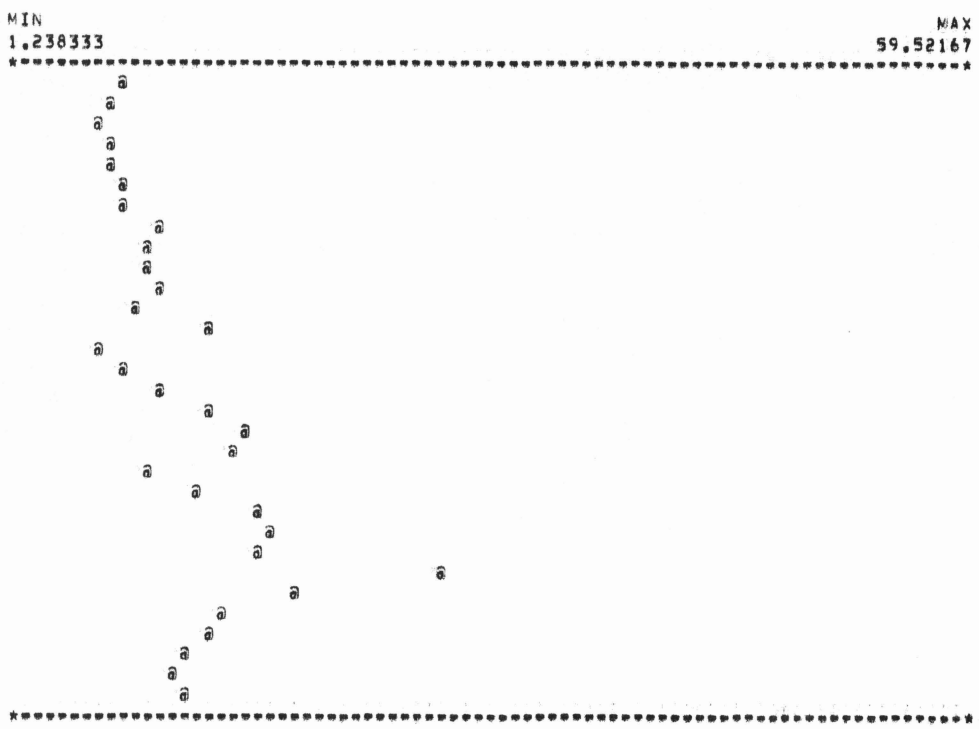
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
AUGUST	1	8.80	10.12	7.48
AUGUST	2	7.83	9.13	6.53
AUGUST	3	6.61	7.78	5.44
AUGUST	4	4.99	7.14	2.85
AUGUST	5	7.08	7.43	6.72
AUGUST	6	6.69	6.94	6.45
AUGUST	7	7.11	7.28	6.94
AUGUST	8	6.86	7.55	6.17
AUGUST	9	10.77	16.28	5.26
AUGUST	10	11.32	17.55	5.09
AUGUST	11	10.16	16.42	3.91
AUGUST	12	13.04	22.25	3.84
AUGUST	13	11.48	19.33	3.62
AUGUST	14	9.78	16.05	3.50
AUGUST	15	3.50	3.50	3.50
AUGUST	16	3.62	3.62	3.62
AUGUST	17	3.27	3.27	3.27
AUGUST	18	3.07	3.07	3.07
AUGUST	19	2.65	2.65	2.65
AUGUST	20	2.72	2.72	2.72
AUGUST	21	2.80	2.80	2.80
AUGUST	22	4.09	4.09	4.09
AUGUST	23	4.42	4.42	4.42
AUGUST	24	5.18	5.18	5.18
AUGUST	25	4.67	4.67	4.67
AUGUST	26	3.17	3.17	3.17
AUGUST	27	3.34	3.34	3.34
AUGUST	28	6.94	6.94	6.94
AUGUST	29	4.75	4.75	4.75
AUGUST	30	4.43	4.43	4.43
AUGUST	31	4.13	4.13	4.13



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=MAY

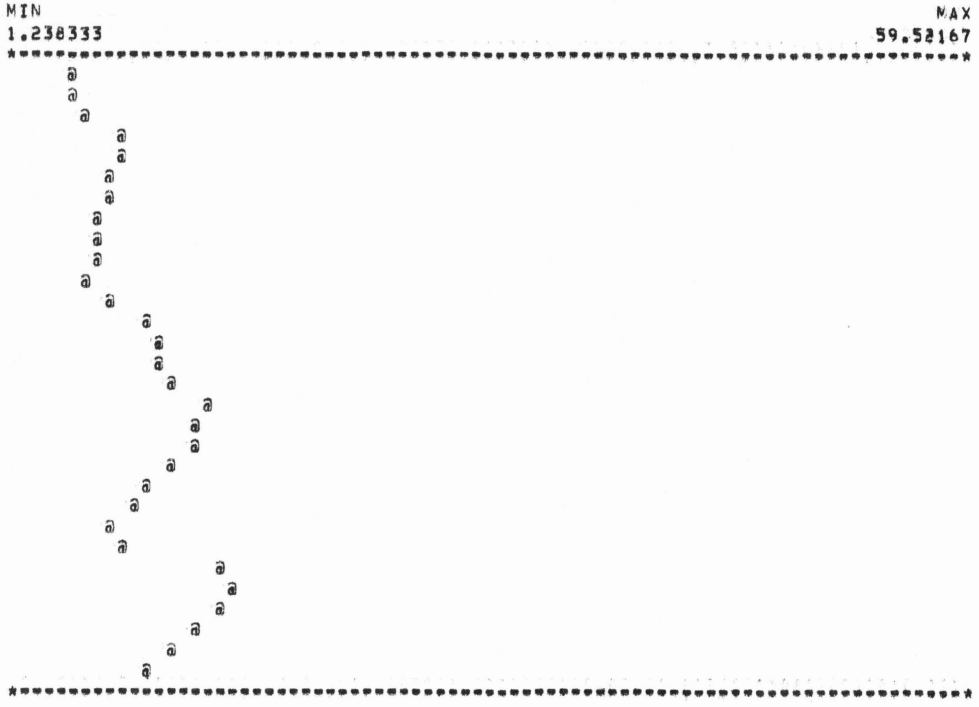
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
MAY	1	7.18	7.18	7.18
MAY	2	6.51	6.51	6.51
MAY	3	6.07	6.07	6.07
MAY	4	6.50	6.50	6.50
MAY	5	6.57	6.57	6.57
MAY	6	7.01	7.01	7.01
MAY	7	6.94	6.94	6.94
MAY	8	9.88	9.88	9.88
MAY	9	8.82	8.82	8.82
MAY	10	9.15	9.15	9.15
MAY	11	9.32	9.32	9.32
MAY	12	8.33	8.33	8.33
MAY	13	12.48	12.48	12.48
MAY	14	5.65	5.65	5.65
MAY	15	7.58	7.58	7.58
MAY	16	9.91	9.91	9.91
MAY	17	12.82	12.82	12.82
MAY	18	14.83	14.83	14.83
MAY	19	14.09	14.09	14.09
MAY	20	9.00	9.00	9.00
MAY	21	12.02	12.02	12.02
MAY	22	15.59	15.59	15.59
MAY	23	16.05	16.05	16.05
MAY	24	15.80	15.80	15.80
MAY	25	27.24	27.24	27.24
MAY	26	17.53	17.53	17.53
MAY	27	13.34	13.34	13.34
MAY	28	12.91	12.91	12.91
MAY	29	11.18	11.18	11.18
MAY	30	10.17	10.17	10.17
MAY	31	10.80	10.80	10.80



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=SEPTEMBR

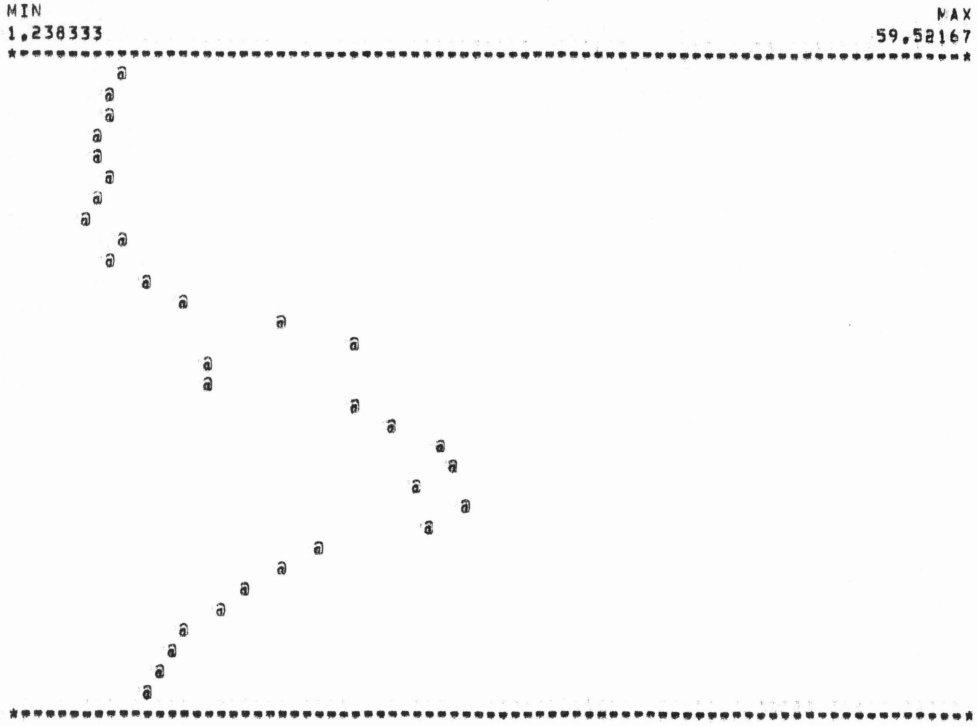
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
SEPTEMBR	1	3.93	3.93	3.93
SEPTEMBR	2	4.13	4.13	4.13
SEPTEMBR	3	4.64	4.64	4.64
SEPTEMBR	4	7.44	7.44	7.44
SEPTEMBR	5	7.14	7.14	7.14
SEPTEMBR	6	6.85	6.85	6.85
SEPTEMBR	7	6.42	6.42	6.42
SEPTEMBR	8	6.05	6.05	6.05
SEPTEMBR	9	5.45	5.45	5.45
SEPTEMBR	10	5.92	5.92	5.92
SEPTEMBR	11	4.97	4.97	4.97
SEPTEMBR	12	6.48	6.48	6.48
SEPTEMBR	13	8.70	8.70	8.70
SEPTEMBR	14	9.66	9.66	9.66
SEPTEMBR	15	9.83	9.83	9.83
SEPTEMBR	16	10.46	10.46	10.46
SEPTEMBR	17	12.70	12.70	12.70
SEPTEMBR	18	11.71	11.71	11.71
SEPTEMBR	19	11.70	11.70	11.70
SEPTEMBR	20	10.19	10.19	10.19
SEPTEMBR	21	9.15	9.15	9.15
SEPTEMBR	22	7.98	7.98	7.98
SEPTEMBR	23	6.85	6.85	6.85
SEPTEMBR	24	7.43	7.43	7.43
SEPTEMBR	25	13.66	13.66	13.66
SEPTEMBR	26	13.75	13.75	13.75
SEPTEMBR	27	13.33	13.33	13.33
SEPTEMBR	28	11.97	11.97	11.97
SEPTEMBR	29	10.19	10.19	10.19
SEPTEMBR	30	8.98	8.98	8.98



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
TIMEPLOT OF DAILY MEANS

MONTH=OCTOBER

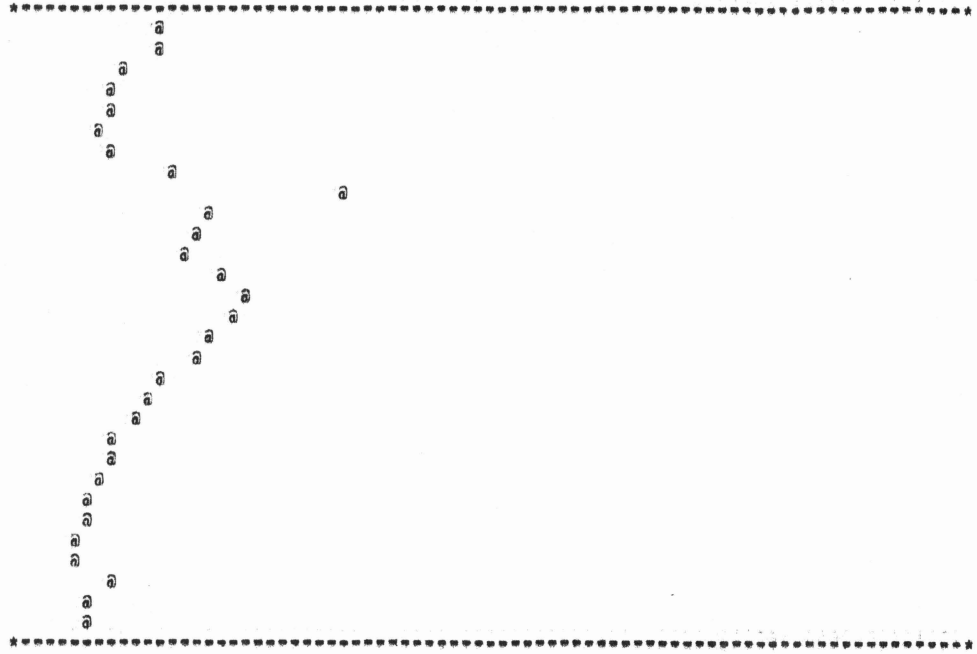
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
OCTOBER	1	7.43	7.43	7.43
OCTOBER	2	6.85	6.85	6.85
OCTOBER	3	6.32	6.32	6.32
OCTOBER	4	5.92	5.92	5.92
OCTOBER	5	5.45	5.45	5.45
OCTOBER	6	6.18	6.18	6.18
OCTOBER	7	5.92	5.92	5.92
OCTOBER	8	5.29	5.29	5.29
OCTOBER	9	7.63	7.63	7.63
OCTOBER	10	6.71	6.71	6.71
OCTOBER	11	9.03	9.03	9.03
OCTOBER	12	11.29	11.29	11.29
OCTOBER	13	17.21	17.21	17.21
OCTOBER	14	21.97	21.97	21.97
OCTOBER	15	12.70	12.70	12.70
OCTOBER	16	12.93	12.93	12.93
OCTOBER	17	21.95	21.95	21.95
OCTOBER	18	24.08	24.08	24.08
OCTOBER	19	27.10	27.10	27.10
OCTOBER	20	27.70	27.70	27.70
OCTOBER	21	25.68	25.68	25.68
OCTOBER	22	28.20	28.20	28.20
OCTOBER	23	26.33	26.33	26.33
OCTOBER	24	19.39	19.39	19.39
OCTOBER	25	17.23	17.23	17.23
OCTOBER	26	14.75	14.75	14.75
OCTOBER	27	13.12	13.12	13.12
OCTOBER	28	11.44	11.44	11.44
OCTOBER	29	10.19	10.19	10.19
OCTOBER	30	9.83	9.83	9.83
OCTOBER	31	8.98	8.98	8.98



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=NOVEMBER

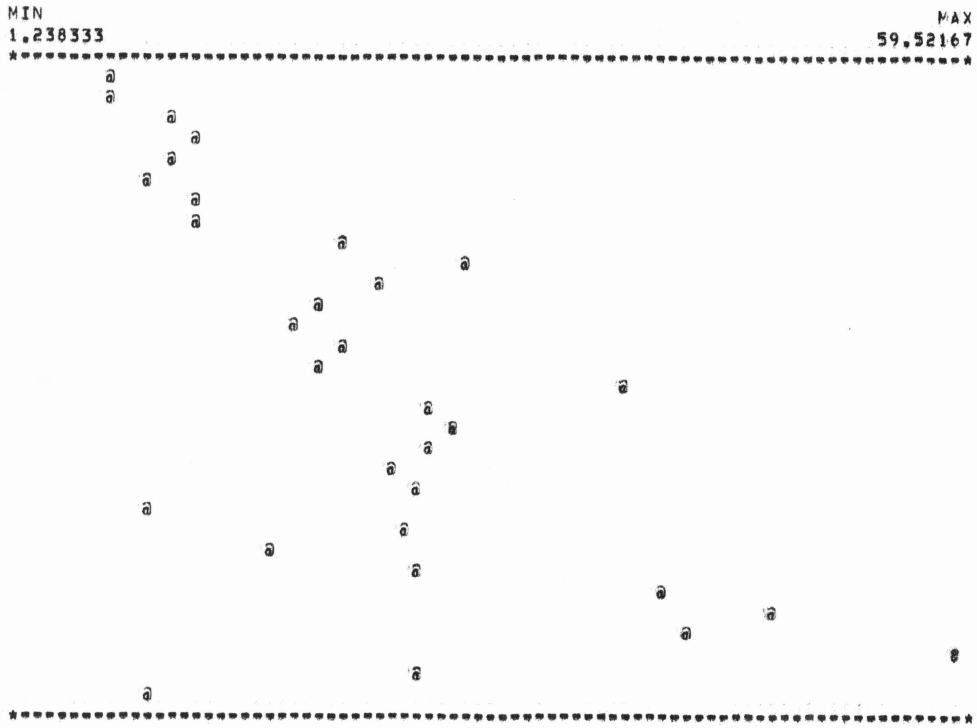
MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
NOVEMBER	1	9.33	9.33	9.33
NOVEMBER	2	9.42	9.42	9.42
NOVEMBER	3	7.14	7.14	7.14
NOVEMBER	4	6.71	6.71	6.71
NOVEMBER	5	6.57	6.57	6.57
NOVEMBER	6	5.92	5.92	5.92
NOVEMBER	7	6.30	6.30	6.30
NOVEMBER	8	10.30	10.30	10.30
NOVEMBER	9	20.56	20.56	20.56
NOVEMBER	10	12.49	12.49	12.49
NOVEMBER	11	11.71	11.71	11.71
NOVEMBER	12	11.00	11.00	11.00
NOVEMBER	13	13.62	13.62	13.62
NOVEMBER	14	14.88	14.88	14.88
NOVEMBER	15	13.98	13.98	13.98
NOVEMBER	16	12.43	12.43	12.43
NOVEMBER	17	11.64	11.64	11.64
NOVEMBER	18	9.29	9.29	9.29
NOVEMBER	19	8.98	8.98	8.98
NOVEMBER	20	7.78	7.78	7.78
NOVEMBER	21	6.85	6.85	6.85
NOVEMBER	22	6.71	6.71	6.71
NOVEMBER	23	5.89	5.89	5.89
NOVEMBER	24	5.29	5.29	5.29
NOVEMBER	25	4.64	4.64	4.64
NOVEMBER	26	4.43	4.43	4.43
NOVEMBER	27	4.53	4.53	4.53
NOVEMBER	28	6.30	6.30	6.30
NOVEMBER	29	4.86	4.86	4.86
NOVEMBER	30	4.89	4.89	4.89



AKUTAN DATA REPORT
LOUD CREEK = JUNE 1986 TO SEPT. 1987
TIMEPLOT OF DAILY MEANS

MONTH=DECEMBER

MONTH	DAY	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
DECEMBER	1	6.85	6.85	6.85
DECEMBER	2	6.85	6.85	6.85
DECEMBER	3	10.45	10.45	10.45
DECEMBER	4	11.73	11.73	11.73
DECEMBER	5	10.02	10.02	10.02
DECEMBER	6	8.98	8.98	8.98
DECEMBER	7	11.88	11.88	11.88
DECEMBER	8	11.99	11.99	11.99
DECEMBER	9	20.79	20.79	20.79
DECEMBER	10	28.43	28.43	28.43
DECEMBER	11	23.47	23.47	23.47
DECEMBER	12	19.67	19.67	19.67
DECEMBER	13	18.19	18.19	18.19
DECEMBER	14	20.57	20.57	20.57
DECEMBER	15	19.19	19.19	19.19
DECEMBER	16	38.34	38.34	38.34
DECEMBER	17	26.35	26.35	26.35
DECEMBER	18	27.48	27.48	27.48
DECEMBER	19	26.14	26.14	26.14
DECEMBER	20	24.17	24.17	24.17
DECEMBER	21	25.46	25.46	25.46
DECEMBER	22	8.60	8.60	8.60
DECEMBER	23	24.33	24.33	24.33
DECEMBER	24	16.07	16.07	16.07
DECEMBER	25	25.25	25.25	25.25
DECEMBER	26	40.32	40.32	40.32
DECEMBER	27	47.62	47.62	47.62
DECEMBER	28	41.84	41.84	41.84
DECEMBER	29	59.52	59.52	59.52
DECEMBER	30	25.81	25.81	25.81
DECEMBER	31	8.98	8.98	8.98

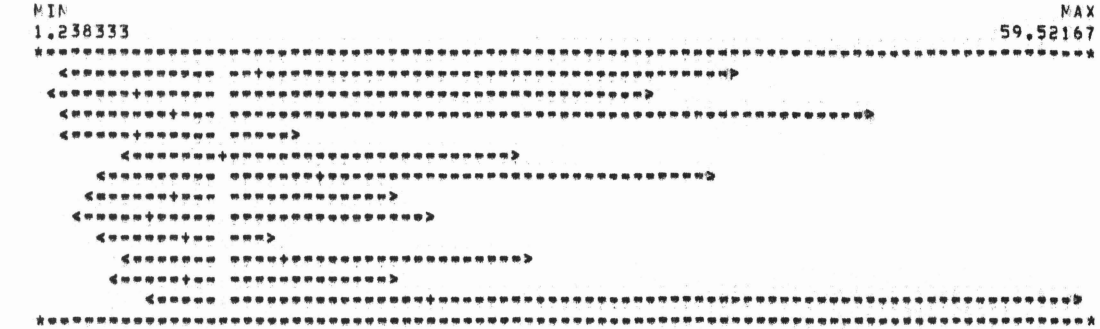


AKUTAN DATA REPORT

LOUD CREEK - JUNE 1986 TO SEPT. 1987

TIMEPLOT OF MONTHLY MEANS

MONTH	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
JANUARY	12.69	39.66	1.94
FEBRUARY	6.14	34.78	1.24
MARCH	8.27	47.04	1.96
APRIL	5.89	14.67	2.13
MAY	11.01	27.24	5.65
JUNE	16.15	38.08	4.13
JULY	8.25	20.46	3.05
AUGUST	6.93	22.25	2.65
SEPTEMBR	8.59	13.75	3.93
OCTOBER	14.03	28.20	5.29
NOVEMBER	8.81	20.56	4.43
DECEMBER	22.43	59.52	6.85

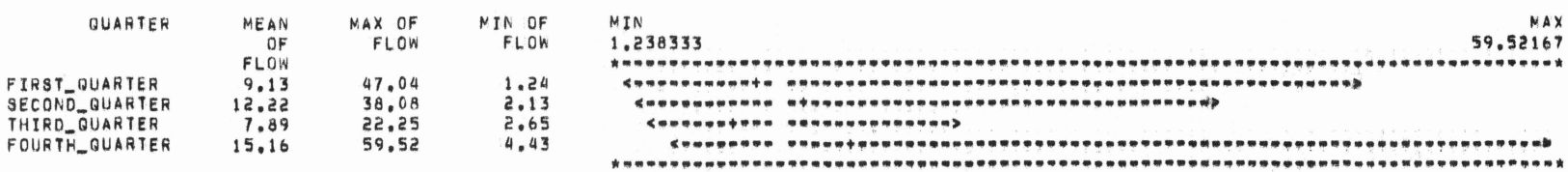


AKUTAN DATA REPORT

LOUD CREEK - JUNE 1986 TO SEPT. 1987

TIMEPLOT OF QUARTERLY MEANS

QUARTER	MEAN OF FLOW	MAX OF FLOW	MIN OF FLOW
FIRST_QUARTER	9.13	47.04	1.24
SECOND_QUARTER	12.22	38.08	2.13
THIRD_QUARTER	7.89	22.25	2.65
FOURTH_QUARTER	15.16	59.52	4.43



DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:22 THURSDAY, OCTOBER 5, 1989 30

AKUTAN DATA REPORT

LOUD CREEK - JUNE 1986 TO SEPT. 1987

DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	* 30.0 CFS	NUM OBS
JANUARY	0	0	0	0	2	0	1	0	1	1	0	5	2	2	1	0	5	2	2	0	2	2	3	31
FEBRUARY	0	0	0	0	0	1	6	5	2	3	3	0	1	1	1	0	0	0	1	0	0	1	1	26
MARCH	0	0	0	0	1	9	1	0	0	1	4	3	0	2	2	1	0	2	1	2	0	1	1	31
APRIL	0	0	0	0	0	3	1	1	3	3	0	10	1	3	1	1	1	1	1	0	0	0	0	30
MAY	0	0	0	0	0	0	0	0	0	0	0	1	5	3	2	5	3	5	5	1	0	1	0	31
JUNE	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	4	13	5	12	4	7	3	5	58
JULY	0	0	0	0	0	0	0	1	0	0	2	9	15	6	9	6	9	2	2	0	1	0	0	62
AUGUST	0	0	0	0	0	0	4	4	6	4	2	4	7	6	0	1	1	0	3	2	1	0	0	45
SEPTEMBR	0	0	0	0	0	0	0	0	1	1	2	2	5	4	2	3	6	4	0	0	0	0	0	30
OCTOBER	0	0	0	0	0	0	0	0	0	0	0	4	4	2	1	2	3	3	1	3	3	5	0	31
NOVEMBER	0	0	0	0	0	0	0	0	0	1	4	3	6	2	1	3	4	4	1	0	1	0	0	30
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	5	0	1	3	5	7	5	31
TOTAL	0	0	0	0	3	13	13	11	13	15	17	41	49	31	26	26	50	28	30	15	20	20	15	436
PERCENT	0	0	0	0	1	3	3	3	3	3	4	9	11	7	6	6	11	6	7	3	5	5	3	0
CUMULATE	99	99	99	99	99	98	95	92	89	86	83	79	70	59	52	46	40	29	23	16	13	8	3	100

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS 12:23 THURSDAY, OCTOBER 5, 1989 31
AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
JANUARY	0	0	0	2	0	1	0	1	1	0	3	2	2	0	1	1	0	1	0	0	9	0	7	31
FEBRUARY	0	0	2	0	1	6	5	2	3	3	0	0	0	1	1	0	1	0	0	0	0	1	2	28
MARCH	0	0	0	1	9	1	0	0	1	4	3	0	0	0	2	0	1	1	1	0	2	3	2	31
APRIL	0	0	0	0	3	1	1	3	3	0	5	5	1	0	2	1	1	0	1	0	3	0	0	30
MAY	0	0	0	0	0	0	0	0	0	0	0	1	1	4	2	1	1	1	3	2	10	4	1	31
JUNE	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	1	4	0	21	13	15	58
JULY	0	0	0	0	0	0	1	0	0	2	4	5	12	3	4	2	4	5	6	0	11	2	1	62
AUGUST	0	0	0	0	0	4	4	6	4	2	4	0	2	5	4	2	0	0	1	0	1	5	1	45
SEPTEMBR	0	0	0	0	0	0	0	1	1	2	1	1	3	2	3	1	0	2	1	2	10	0	0	30
OCTOBER	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	0	1	1	1	7	3	8	31
NOVEMBER	0	0	0	0	0	0	0	0	1	4	1	2	2	4	1	1	0	1	3	0	9	0	1	30
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	0	5	4	17	31
TOTAL	0	0	2	3	13	13	11	13	15	17	23	18	26	23	21	10	10	16	21	5	88	35	55	438
PERCENT	0	0	0	1	3	3	3	3	3	4	5	4	6	5	5	2	2	4	5	1	20	8	13	0
CUMULATE	100	100	100	100	99	96	93	90	87	84	80	75	71	65	60	55	53	51	47	42	41	21	13	100

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
DAILY DISCHARGE DURATION TABLE-LOGARITHMIC

YEAR=86

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	* 30.0 CFS	NUM OBS
JANUARY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
FEBRUARY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
MARCH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
APRIL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
MAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	3	7	2	4	2	2	28
JULY	0	0	0	0	0	0	0	0	0	0	2	6	13	3	3	3	1	0	0	0	0	0	0	31
AUGUST	0	0	0	0	0	0	3	4	6	4	2	3	4	3	0	1	1	0	0	0	0	0	0	31
SEPTEMBR	0	0	0	0	0	0	0	0	1	1	2	2	5	4	2	3	6	4	0	0	0	0	0	30
OCTOBER	0	0	0	0	0	0	0	0	0	0	0	4	4	2	1	2	3	3	1	3	3	5	0	31
NOVEMBER	0	0	0	0	0	0	0	0	0	1	4	3	6	2	1	3	4	4	1	0	1	0	0	30
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	5	0	1	3	5	7	5	31
TOTAL	0	0	0	0	0	0	3	4	7	6	10	18	34	14	11	14	25	14	10	8	13	14	7	212
PERCENT	0	0	0	0	0	0	1	2	3	3	5	8	16	7	5	7	12	7	5	4	6	7	3	0
CUMULATE	101	101	101	101	101	101	101	100	98	95	92	87	79	63	56	51	44	32	25	20	16	10	3	100

YEAR=87

MONTH	0 1.0 CFS	1.0 1.2 CFS	1.2 1.4 CFS	1.4 1.7 CFS	1.7 2.0 CFS	2.0 2.5 CFS	2.5 3.0 CFS	3.0 3.5 CFS	3.5 4.0 CFS	4.0 4.5 CFS	4.5 5.0 CFS	5.0 6.0 CFS	6.0 7.0 CFS	7.0 8.0 CFS	8.0 9.0 CFS	9.0 10.0 CFS	10.0 12.0 CFS	12.0 14.0 CFS	14.0 17.0 CFS	17.0 20.0 CFS	20.0 25.0 CFS	25.0 30.0 CFS	* 30.0 CFS	NUM OBS
JANUARY	0	0	0	0	2	0	1	0	1	1	0	5	2	2	1	0	5	2	2	0	2	2	3	31
FEBRUARY	0	0	0	0	0	1	6	5	2	3	3	0	1	1	1	0	0	0	1	0	0	1	1	26
MARCH	0	0	0	0	1	9	1	0	0	1	4	3	0	2	2	1	0	2	1	2	0	1	1	31
APRIL	0	0	0	0	0	3	1	1	3	3	0	10	1	3	1	1	1	1	1	0	0	0	0	30
MAY	0	0	0	0	0	0	0	0	0	0	0	1	5	3	2	5	3	5	5	1	0	1	0	31
JUNE	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	2	8	2	5	2	3	1	3	30
JULY	0	0	0	0	0	0	0	1	0	0	0	3	2	3	6	3	8	2	2	0	1	0	0	31
AUGUST	0	0	0	0	0	0	1	0	0	0	0	1	3	3	0	0	0	0	3	2	1	0	0	14
SEPTEMBR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30
OCTOBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
NOVEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30
DECEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
TOTAL	0	0	0	0	3	13	10	7	6	9	7	23	15	17	15	12	25	14	20	7	7	6	8	346
PERCENT	0	0	0	0	1	6	4	3	3	4	3	10	7	8	7	5	11	6	9	3	3	3	4	0
CUMULATE	100	100	100	100	100	99	93	89	86	83	79	76	66	59	51	44	39	28	22	13	10	7	4	100

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
DAILY DISCHARGE DURATION TABLE-ARITHMETIC

YEAR=86

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	10	7	8	.
JULY	0	0	0	0	0	0	0	0	0	2	3	3	12	1	2	1	2	1	3	0	1	0	0	.
AUGUST	0	0	0	0	0	3	4	6	4	2	3	0	1	3	1	2	0	0	1	0	1	0	0	.
SEPTEMBR	0	0	0	0	0	0	0	1	1	2	1	1	3	2	3	1	0	2	1	2	10	0	0	.
OCTOBER	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	0	1	1	1	7	3	8	.
NOVEMBER	0	0	0	0	0	0	0	0	1	4	1	2	2	4	1	1	0	1	3	0	9	0	1	.
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	0	5	4	17	.
TOTAL	0	0	0	0	0	3	4	7	6	10	10	8	20	14	8	6	2	9	11	3	43	14	34	.
PERCENT	0	0	0	0	0	1	2	3	3	5	5	4	9	7	4	3	1	4	5	1	20	7	16	0
CUMULATE	100	100	100	100	100	100	99	97	94	91	86	81	77	68	61	57	54	53	49	44	43	23	16	100

YEAR=87

MONTH	0 .5 CFS	.5 1 CFS	1 1.5 CFS	1.5 2 CFS	2 2.5 CFS	2.5 3 CFS	3 3.5 CFS	3.5 4 CFS	4 4.5 CFS	4.5 5 CFS	5 5.5 CFS	5.5 6 CFS	6 6.5 CFS	6.5 7 CFS	7 7.5 CFS	7.5 8 CFS	8 8.5 CFS	8.5 9 CFS	9 9.5 CFS	9.5 10 CFS	10 15 CFS	15 20 CFS	> 20 CFS	NUM OBS
JANUARY	0	0	0	2	0	1	0	1	1	0	3	2	2	0	1	1	0	1	0	0	9	0	7	31
FEBRUARY	0	0	2	0	1	6	5	2	3	3	0	0	0	1	1	0	1	0	0	0	0	1	2	28
MARCH	0	0	0	1	9	1	0	0	1	4	3	0	0	0	2	0	1	1	1	0	2	3	2	31
APRIL	0	0	0	0	3	1	1	3	3	0	5	5	1	0	2	1	1	0	1	0	3	0	0	30
MAY	0	0	0	0	0	0	0	0	0	0	0	1	1	4	2	1	1	1	3	2	10	4	1	31
JUNE	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	2	0	11	6	7	30
JULY	0	0	0	0	0	0	1	0	0	0	1	2	0	2	2	1	2	4	3	0	10	2	1	31
AUGUST	0	0	0	0	0	1	0	0	0	0	1	0	1	2	3	0	0	0	0	0	0	5	1	14
SEPTEMBR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30
OCTOBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
NOVEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30
DECEMBER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31
TOTAL	0	0	2	3	13	10	7	6	9	7	13	10	6	9	13	4	8	7	10	2	45	21	21	348
PERCENT	0	0	1	1	6	4	3	3	4	3	6	4	3	4	6	2	4	3	4	1	20	9	9	0
CUMULATE	100	100	100	99	98	92	88	85	82	78	75	69	65	62	58	52	50	46	43	39	38	18	9	100

DNR=DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	29.0	29.0	29.0	1043	1043	1043	25027
2	39.7	39.7	39.7	1429	1429	1429	34285
3	1.9	1.9	1.9	70	70	70	1680
4	12.1	12.1	12.1	437	437	437	10494
5	24.0	24.0	24.0	863	863	863	20717
6	12.3	12.3	12.3	443	443	443	10642
7	11.0	11.0	11.0	396	396	396	9508
8	11.5	11.5	11.5	416	416	416	9978
9	20.3	20.3	20.3	730	730	730	17523
10	31.2	31.2	31.2	1122	1122	1122	26939
11	14.2	14.2	14.2	512	512	512	12298
12	3.6	3.6	3.6	128	128	128	3079
13	12.0	12.0	12.0	431	431	431	10348
14	11.7	11.7	11.7	422	422	422	10124
15	2.5	2.5	2.5	91	91	91	2184
16	36.2	36.2	36.2	1302	1302	1302	31250
17	14.1	14.1	14.1	507	507	507	12158
18	10.1	10.1	10.1	362	362	362	8697
19	7.9	7.9	7.9	283	283	283	6800
20	8.7	8.7	8.7	314	314	314	7530
21	6.0	6.0	6.0	217	217	217	5214
22	5.9	5.9	5.9	213	213	213	5114
23	6.4	6.4	6.4	230	230	230	5518
24	7.5	7.5	7.5	270	270	270	6469
25	26.5	26.5	26.5	954	954	954	22885
26	4.2	4.2	4.2	150	150	150	3600
27	2.0	2.0	2.0	71	71	71	1701
28	5.1	5.1	5.1	183	183	183	4393
29	5.6	5.6	5.6	201	201	201	4821
30	5.3	5.3	5.3	190	190	190	4570
31	5.3	5.3	5.3	192	192	192	4613
MO							340160

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	4.6	4.6	4.6	167	167	167	4015
2	4.3	4.3	4.3	154	154	154	3703
3	4.1	4.1	4.1	149	149	149	3567
4	4.0	4.0	4.0	145	145	145	3484
5	3.7	3.7	3.7	135	135	135	3233
6	2.9	2.9	2.9	104	104	104	2487
7	6.9	6.9	6.9	247	247	247	5927
8	3.0	3.0	3.0	109	109	109	2608
9	3.8	3.8	3.8	137	137	137	3295
10	4.7	4.7	4.7	170	170	170	4083
11	16.0	16.0	16.0	576	576	576	13820
12	3.5	3.5	3.5	125	125	125	3004
13	3.2	3.2	3.2	114	114	114	2733
14	3.3	3.3	3.3	118	118	118	2824
15	2.8	2.8	2.8	99	99	99	2379
16	3.0	3.0	3.0	108	108	108	2595
17	4.6	4.6	4.6	165	165	165	3965
18	2.8	2.8	2.8	101	101	101	2426
19	7.1	7.1	7.1	255	255	255	6108
20	1.2	1.2	1.2	45	45	45	1070
21	8.1	8.1	8.1	290	290	290	6971
22	1.3	1.3	1.3	45	45	45	1081
23	28.8	28.8	28.8	1036	1036	1036	24873
24	34.8	34.8	34.8	1253	1253	1253	30067
25	2.1	2.1	2.1	76	76	76	1828
26	2.5	2.5	2.5	90	90	90	2164
27	2.6	2.6	2.6	93	93	93	2227
28	2.5	2.5	2.5	90	90	90	2164
MO							148700

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
DAILY SUMMARY
H=500FT,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	2.4	2.4	2.4	88	88	88	2101
2	2.4	2.4	2.4	88	88	88	2101
3	2.4	2.4	2.4	88	88	88	2101
4	2.7	2.7	2.7	98	98	98	2341
5	2.3	2.3	2.3	83	83	83	1985
6	2.0	2.0	2.0	73	73	73	1755
7	2.1	2.1	2.1	76	76	76	1833
8	2.1	2.1	2.1	75	75	75	1794
9	2.4	2.4	2.4	88	88	88	2101
10	2.2	2.2	2.2	79	79	79	1899
11	2.0	2.0	2.0	71	71	71	1697
12	4.6	4.6	4.6	166	166	166	3985
13	5.5	5.5	5.5	198	198	198	4744
14	4.1	4.1	4.1	146	146	146	3505
15	16.5	16.5	16.5	595	595	595	14268
16	25.6	25.6	25.6	923	923	923	22148
17	18.2	18.2	18.2	656	656	656	15741
18	12.1	12.1	12.1	435	435	435	10431
19	7.1	7.1	7.1	254	254	254	6096
20	4.5	4.5	4.5	163	163	163	3920
21	19.9	19.9	19.9	717	717	717	17200
22	47.0	47.0	47.0	1694	1694	1694	40657
23	12.9	12.9	12.9	463	463	463	11115
24	8.7	8.7	8.7	315	315	315	7559
25	9.1	9.1	9.1	328	328	328	7868
26	7.0	7.0	7.0	252	252	252	6052
27	5.2	5.2	5.2	186	186	186	4453
28	5.4	5.4	5.4	193	193	193	4636
29	4.6	4.6	4.6	167	167	167	4012
30	8.4	8.4	8.4	304	304	304	7298
31	4.9	4.9	4.9	178	178	178	4272
MO							221666

DNR=DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	3.9	3.9	3.9	140	140	140	3370
2	9.1	9.1	9.1	330	330	330	7909
3	8.0	8.0	8.0	289	289	289	6938
4	6.3	6.3	6.3	226	226	226	5427
5	5.7	5.7	5.7	207	207	207	4967
6	5.4	5.4	5.4	196	196	196	4702
7	5.2	5.2	5.2	189	189	189	4531
8	5.6	5.6	5.6	200	200	200	4806
9	6.0	6.0	6.0	216	216	216	5181
10	5.9	5.9	5.9	213	213	213	5117
11	5.4	5.4	5.4	196	196	196	4702
12	5.3	5.3	5.3	192	192	192	4599
13	4.5	4.5	4.5	161	161	161	3864
14	12.6	12.6	12.6	455	455	455	10928
15	7.6	7.6	7.6	274	274	274	6585
16	4.0	4.0	4.0	146	146	146	3498
17	2.1	2.1	2.1	77	77	77	1840
18	3.0	3.0	3.0	107	107	107	2560
19	5.8	5.8	5.8	210	210	210	5050
20	3.8	3.8	3.8	138	138	138	3305
21	14.7	14.7	14.7	528	528	528	12684
22	4.5	4.5	4.5	161	161	161	3857
23	10.5	10.5	10.5	379	379	379	9086
24	2.4	2.4	2.4	85	85	85	2047
25	2.5	2.5	2.5	90	90	90	2160
26	3.4	3.4	3.4	121	121	121	2907
27	5.2	5.2	5.2	188	188	188	4515
28	3.6	3.6	3.6	129	129	129	3095
29	7.2	7.2	7.2	260	260	260	6250
30	7.2	7.2	7.2	261	261	261	6264
MO							152744

DNR-DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	7.2	7.2	7.2	259	259	259	6208
2	6.5	6.5	6.5	235	235	235	5629
3	6.1	6.1	6.1	219	219	219	5244
4	6.5	6.5	6.5	234	234	234	5620
5	6.6	6.6	6.6	237	237	237	5681
6	7.0	7.0	7.0	252	252	252	6055
7	6.9	6.9	6.9	250	250	250	5996
8	9.9	9.9	9.9	356	356	356	8539
9	8.8	8.8	8.8	318	318	318	7624
10	9.1	9.1	9.1	330	330	330	7909
11	9.3	9.3	9.3	336	336	336	8055
12	8.3	8.3	8.3	300	300	300	7199
13	12.5	12.5	12.5	449	449	449	10785
14	5.6	5.6	5.6	203	203	203	4880
15	7.6	7.6	7.6	273	273	273	6549
16	9.9	9.9	9.9	357	357	357	8565
17	12.8	12.8	12.8	462	462	462	11085
18	14.8	14.8	14.8	534	534	534	12816
19	14.1	14.1	14.1	508	508	508	12181
20	9.0	9.0	9.0	324	324	324	7781
21	12.0	12.0	12.0	433	433	433	10390
22	15.6	15.6	15.6	562	562	562	13479
23	16.1	16.1	16.1	578	578	578	13874
24	15.8	15.8	15.8	569	569	569	13658
25	27.2	27.2	27.2	981	981	981	23546
26	17.5	17.5	17.5	631	631	631	15156
27	13.3	13.3	13.3	481	481	481	11533
28	12.9	12.9	12.9	465	465	465	11161
29	11.2	11.2	11.2	403	403	403	9664
30	10.2	10.2	10.2	366	366	366	8792
31	10.8	10.8	10.8	389	389	389	9334
MO							294988

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	10.5	10.5	10.5	378	378	378	9082
2	10.7	10.7	10.7	385	385	385	9232
3	15.9	11.3	20.4	573	409	736	13740
4	16.9	10.9	23.0	610	391	829	14640
5	21.9	20.7	23.1	788	745	831	18911
6	20.4	19.4	21.4	734	698	770	17612
7	17.0	16.6	17.5	614	599	629	14734
8	15.5	15.4	15.6	558	556	560	13388
9	24.6	23.5	25.6	885	847	923	21241
10	31.0	30.8	31.3	1117	1108	1126	26816
11	35.1	32.2	38.1	1265	1159	1371	30371
12	30.7	28.9	32.4	1105	1042	1168	26514
13	18.4	15.6	21.2	661	561	762	15872
14	16.6	15.5	17.8	600	559	640	14388
15	12.7	10.7	14.8	459	386	532	11007
16	19.7	13.9	25.5	710	500	919	17035
17	14.7	12.2	17.2	528	439	618	12683
18	16.3	16.1	16.5	585	578	593	14051
19	15.5	15.0	16.1	559	539	579	13411
20	13.5	11.3	15.8	488	408	568	11711
21	13.4	12.5	14.3	483	450	515	11584
22	12.9	12.3	13.6	466	443	489	11178
23	11.6	11.3	11.9	419	407	430	10046
24	10.6	10.2	11.0	382	367	396	9163
25	10.5	9.3	11.8	380	336	424	9117
26	10.2	9.4	11.1	369	338	399	8849
27	9.2	8.0	10.3	330	289	371	7914
28	8.7	8.0	9.3	312	289	336	7499
29	7.5	6.1	9.0	271	220	323	6513
30	6.6	4.1	9.1	239	149	329	5739
MO							414041

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AKUTAN DATA REPORT

LOUD CREEK = JUNE 1986 TO SEPT. 1987

DAILY SUMMARY

H=500FT,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	8.1	6.7	9.5	292	242	342	7005
2	8.3	7.2	9.3	298	261	336	7162
3	7.1	5.8	8.4	256	210	302	6150
4	8.1	7.5	8.7	291	269	314	6995
5	9.2	7.3	11.0	331	265	398	7948
6	8.3	7.1	9.5	298	255	342	7158
7	7.5	7.0	8.0	271	252	290	6500
8	7.9	6.5	9.3	284	233	336	6825
9	10.9	5.9	15.9	392	212	572	9416
10	13.1	5.7	20.5	471	206	737	11314
11	9.6	5.3	14.0	347	190	503	8325
12	9.3	6.1	12.5	335	219	450	8030
13	10.4	9.1	11.7	374	328	421	8987
14	8.3	6.3	10.2	297	227	367	7135
15	6.0	5.8	6.2	216	208	223	5173
16	4.6	3.1	6.1	164	110	218	3935
17	7.7	6.1	9.4	278	218	338	6674
18	7.4	5.9	8.9	268	213	322	6423
19	8.2	5.3	11.1	295	190	400	7082
20	8.2	7.6	8.7	295	274	315	7069
21	6.7	5.1	8.2	240	185	296	5767
22	8.5	6.5	10.6	307	233	381	7365
23	8.7	6.4	10.9	312	232	391	7483
24	7.6	6.4	8.7	273	232	315	6564
25	8.7	6.1	11.3	313	218	408	7506
26	8.3	6.1	10.6	299	218	380	7175
27	6.4	6.2	6.6	232	225	238	5560
28	10.1	5.0	15.3	365	181	550	8768
29	6.6	4.6	8.7	240	167	312	5748
30	6.7	4.9	8.5	241	177	306	5792
31	9.4	7.9	10.9	339	284	394	8137
MO							221168

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	8.8	7.5	10.1	317	269	364	7605
2	7.8	6.5	9.1	282	235	329	6768
3	6.6	5.4	7.8	238	196	280	5710
4	5.0	2.8	7.1	180	103	257	4317
5	7.1	6.7	7.4	255	242	268	6116
6	6.7	6.4	6.9	241	232	250	5786
7	7.1	6.9	7.3	256	250	262	6146
8	6.9	6.2	7.6	247	222	272	5928
9	10.8	5.3	16.3	388	189	586	9311
10	11.3	5.1	17.5	408	183	632	9784
11	10.2	3.9	16.4	366	141	591	8787
12	13.0	3.8	22.2	470	138	801	11273
13	11.5	3.6	19.3	413	130	696	9921
14	9.8	3.5	16.1	352	126	578	8451
15	3.5	3.5	3.5	126	126	126	3028
16	3.6	3.6	3.6	130	130	130	3131
17	3.3	3.3	3.3	118	118	118	2824
18	3.1	3.1	3.1	111	111	111	2655
19	2.6	2.6	2.6	95	95	95	2288
20	2.7	2.7	2.7	98	98	98	2354
21	2.8	2.8	2.8	101	101	101	2420
22	4.1	4.1	4.1	147	147	147	3540
23	4.4	4.4	4.4	159	159	159	3819
24	5.2	5.2	5.2	186	186	186	4473
25	4.7	4.7	4.7	168	168	168	4040
26	3.2	3.2	3.2	114	114	114	2739
27	3.3	3.3	3.3	120	120	120	2886
28	6.9	6.9	6.9	250	250	250	5999
29	4.8	4.8	4.8	171	171	171	4109
30	4.4	4.4	4.4	159	159	159	3828
31	4.1	4.1	4.1	149	149	149	3567
MO							163602

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,E=85%,Q=FLOW & P=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	3.9	3.9	3.9	142	142	142	3400
2	4.1	4.1	4.1	149	149	149	3567
3	4.6	4.6	4.6	167	167	167	4015
4	7.4	7.4	7.4	268	268	268	6433
5	7.1	7.1	7.1	257	257	257	6172
6	6.9	6.9	6.9	247	247	247	5924
7	6.4	6.4	6.4	231	231	231	5549
8	6.1	6.1	6.1	218	218	218	5231
9	5.4	5.4	5.4	196	196	196	4707
10	5.9	5.9	5.9	213	213	213	5117
11	5.0	5.0	5.0	179	179	179	4296
12	6.5	6.5	6.5	233	233	233	5598
13	8.7	8.7	8.7	313	313	313	7520
14	9.7	9.7	9.7	348	348	348	8350
15	9.8	9.8	9.8	354	354	354	8497
16	10.5	10.5	10.5	377	377	377	9037
17	12.7	12.7	12.7	457	457	457	10978
18	11.7	11.7	11.7	422	422	422	10118
19	11.7	11.7	11.7	422	422	422	10118
20	10.2	10.2	10.2	367	367	367	8811
21	9.1	9.1	9.1	330	330	330	7909
22	8.0	8.0	8.0	288	288	288	6901
23	6.9	6.9	6.9	247	247	247	5924
24	7.4	7.4	7.4	267	267	267	6420
25	13.7	13.7	13.7	492	492	492	11811
26	13.8	13.8	13.8	495	495	495	11886
27	13.3	13.3	13.3	480	480	480	11523
28	12.0	12.0	12.0	431	431	431	10344
29	10.2	10.2	10.2	367	367	367	8811
30	9.0	9.0	9.0	323	323	323	7762
MO							222731

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,E=85%,Q=FLOW & P=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	7.4	7.4	7.4	267	267	267	6420
2	6.9	6.9	6.9	247	247	247	5924
3	6.3	6.3	6.3	227	227	227	5459
4	5.9	5.9	5.9	213	213	213	5117
5	5.4	5.4	5.4	196	196	196	4707
6	6.2	6.2	6.2	223	223	223	5345
7	5.9	5.9	5.9	213	213	213	5117
8	5.3	5.3	5.3	190	190	190	4570
9	7.6	7.6	7.6	275	275	275	6598
10	6.7	6.7	6.7	242	242	242	5800
11	9.0	9.0	9.0	325	325	325	7808
12	11.3	11.3	11.3	407	407	407	9759
13	17.2	17.2	17.2	620	620	620	14875
14	22.0	22.0	22.0	791	791	791	18990
15	12.7	12.7	12.7	457	457	457	10978
16	12.9	12.9	12.9	466	466	466	11180
17	22.0	22.0	22.0	791	791	791	18977
18	24.1	24.1	24.1	867	867	867	20816
19	27.1	27.1	27.1	976	976	976	23424
20	27.7	27.7	27.7	998	998	998	23948
21	25.7	25.7	25.7	925	925	925	22201
22	28.2	28.2	28.2	1016	1016	1016	24379
23	26.3	26.3	26.3	948	948	948	22761
24	19.4	19.4	19.4	699	699	699	16765
25	17.2	17.2	17.2	620	620	620	14889
26	14.7	14.7	14.7	531	531	531	12747
27	13.1	13.1	13.1	473	473	473	11341
28	11.4	11.4	11.4	412	412	412	9892
29	10.2	10.2	10.2	367	367	367	8811
30	9.8	9.8	9.8	354	354	354	8497
31	9.0	9.0	9.0	323	323	323	7762
MO							375859

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,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	9.3	9.3	9.3	336	336	336	8066
2	9.4	9.4	9.4	339	339	339	8146
3	7.1	7.1	7.1	257	257	257	6172
4	6.7	6.7	6.7	242	242	242	5800
5	6.6	6.6	6.6	237	237	237	5681
6	5.9	5.9	5.9	213	213	213	5117
7	6.3	6.3	6.3	227	227	227	5446
8	10.3	10.3	10.3	371	371	371	8901
9	20.6	20.6	20.6	741	741	741	17772
10	12.5	12.5	12.5	450	450	450	10796
11	11.7	11.7	11.7	422	422	422	10118
12	11.0	11.0	11.0	396	396	396	9508
13	13.6	13.6	13.6	490	490	490	11769
14	14.9	14.9	14.9	536	536	536	12858
15	14.0	14.0	14.0	503	503	503	12080
16	12.4	12.4	12.4	448	448	448	10745
17	11.6	11.6	11.6	419	419	419	10065
18	9.3	9.3	9.3	335	335	335	8035
19	9.0	9.0	9.0	323	323	323	7762
20	7.8	7.8	7.8	280	280	280	6722
21	6.9	6.9	6.9	247	247	247	5924
22	6.7	6.7	6.7	242	242	242	5800
23	5.9	5.9	5.9	212	212	212	5094
24	5.3	5.3	5.3	190	190	190	4570
25	4.6	4.6	4.6	167	167	167	4015
26	4.4	4.4	4.4	159	159	159	3828
27	4.5	4.5	4.5	163	163	163	3911
28	6.3	6.3	6.3	227	227	227	5446
29	4.9	4.9	4.9	175	175	175	4202
30	4.9	4.9	4.9	176	176	176	4224
MO							228574

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY SUMMARY
H=500FT,E=85%,Q=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	6.9	6.9	6.9	247	247	247	5924
2	6.9	6.9	6.9	247	247	247	5924
3	10.5	10.5	10.5	377	377	377	9037
4	11.7	11.7	11.7	423	423	423	10142
5	10.0	10.0	10.0	361	361	361	8664
6	9.0	9.0	9.0	323	323	323	7762
7	11.9	11.9	11.9	428	428	428	10266
8	12.0	12.0	12.0	432	432	432	10361
9	20.8	20.8	20.8	749	749	749	17971
10	28.4	28.4	28.4	1024	1024	1024	24577
11	23.5	23.5	23.5	845	845	845	20283
12	19.7	19.7	19.7	708	708	708	17000
13	18.2	18.2	18.2	655	655	655	15726
14	20.6	20.6	20.6	741	741	741	17784
15	19.2	19.2	19.2	691	691	691	16591
16	38.3	38.3	38.3	1381	1381	1381	33140
17	26.4	26.4	26.4	949	949	949	22780
18	27.5	27.5	27.5	990	990	990	23751
19	26.1	26.1	26.1	942	942	942	22597
20	24.2	24.2	24.2	870	870	870	20890
21	25.5	25.5	25.5	917	917	917	22005
22	8.6	8.6	8.6	310	310	310	7430
23	24.3	24.3	24.3	876	876	876	21031
24	16.1	16.1	16.1	579	579	579	13887
25	25.2	25.2	25.2	909	909	909	21823
26	40.3	40.3	40.3	1452	1452	1452	34857
27	47.6	47.6	47.6	1715	1715	1715	41165
28	41.8	41.8	41.8	1507	1507	1507	36168
29	59.5	59.5	59.5	2144	2144	2144	51451
30	25.8	25.8	25.8	930	930	930	22309
31	9.0	9.0	9.0	323	323	323	7762
MO							601060
							3385293

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AKUTAN DATA REPORT

LOUD CREEK - JUNE 1986 TO SEPT. 1987

MONTHLY SUMMARY

H=500FT,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 (731)AVG POWER
JANUARY	12.7	1.9	39.7	457	70	1429	334016
FEBRUARY	6.1	1.2	34.8	221	45	1253	161658
MARCH	8.3	2.0	47.0	298	71	1694	217662
APRIL	5.9	2.1	14.7	212	77	528	154984
MAY	11.0	5.6	27.2	396	203	981	289659
JUNE	16.2	4.1	38.1	582	149	1371	424989
JULY	8.3	3.1	20.5	297	110	737	217173
AUGUST	6.9	2.6	22.2	250	95	801	182305
SEPTEMBR	8.6	3.9	13.8	309	142	495	225997
OCTOBER	14.0	5.3	28.2	505	190	1016	369069
NOVEMBER	8.8	4.4	20.6	317	159	741	231926
DECEMBER	22.4	6.9	59.5	808	247	2144	590202
							=======
							3399641

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
QUARTERLY SUMMARY
H=500FT,E=85%,Q=FLOW & P=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	9.1	1.2	47.0	329	45	1694	720888
SECOND_QUARTER	12.2	2.1	38.1	440	77	1371	964920
THIRD_QUARTER	7.9	2.6	22.2	284	95	801	622906
FOURTH_QUARTER	15.2	4.4	59.5	546	159	2144	1196485
							3505199

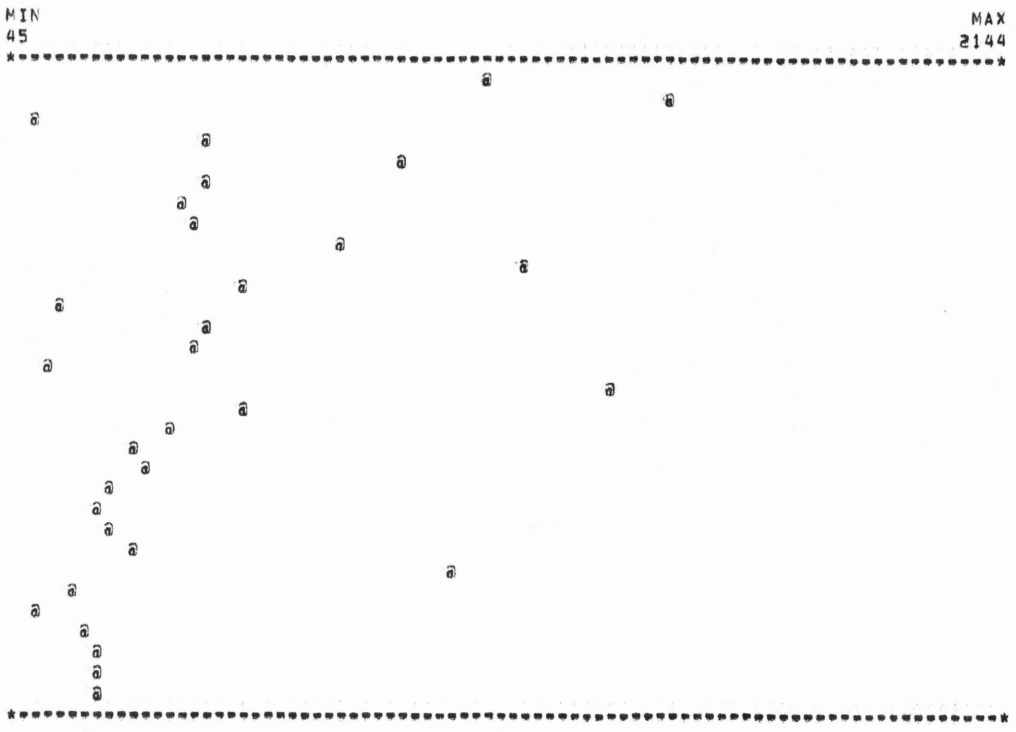
AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
OVERALL SUMMARY

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
10.9	1.2	59.5	391	45	2144	3425755
						3425755

AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JANUARY

MONTH	DAY	AVG POWER* (KW)
JANUARY	1	1043
JANUARY	2	1429
JANUARY	3	70
JANUARY	4	437
JANUARY	5	863
JANUARY	6	443
JANUARY	7	396
JANUARY	8	416
JANUARY	9	730
JANUARY	10	1122
JANUARY	11	512
JANUARY	12	128
JANUARY	13	431
JANUARY	14	422
JANUARY	15	91
JANUARY	16	1302
JANUARY	17	507
JANUARY	18	362
JANUARY	19	283
JANUARY	20	314
JANUARY	21	217
JANUARY	22	213
JANUARY	23	230
JANUARY	24	270
JANUARY	25	954
JANUARY	26	150
JANUARY	27	71
JANUARY	28	183
JANUARY	29	201
JANUARY	30	190
JANUARY	31	192



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AKUTAN DATA REPORT

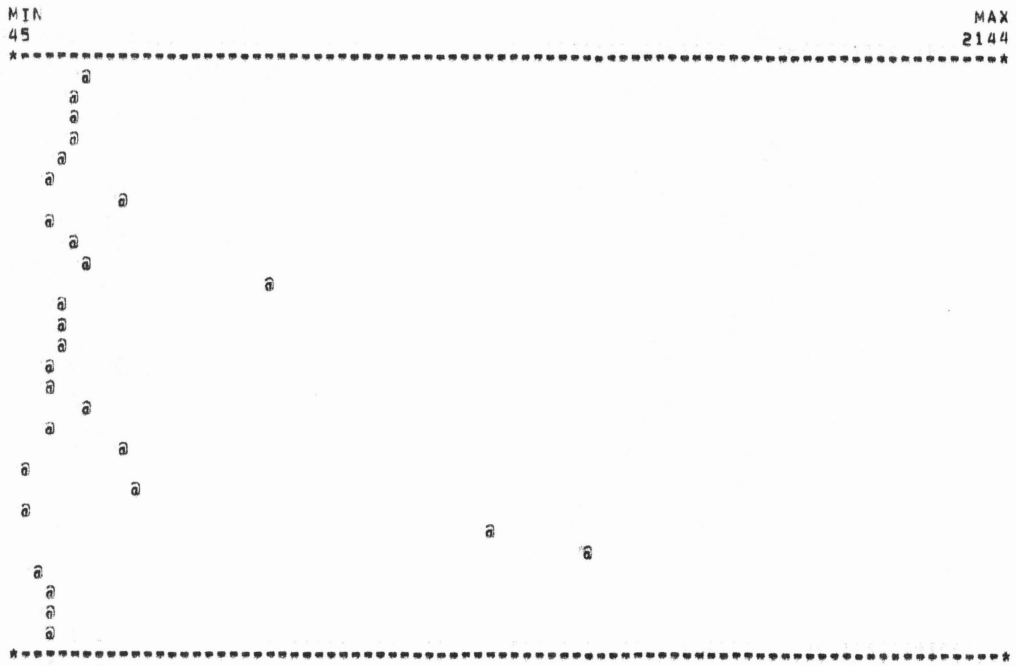
LOUD CREEK - JUNE 1986 TO SEPT. 1987

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=FEBRUARY

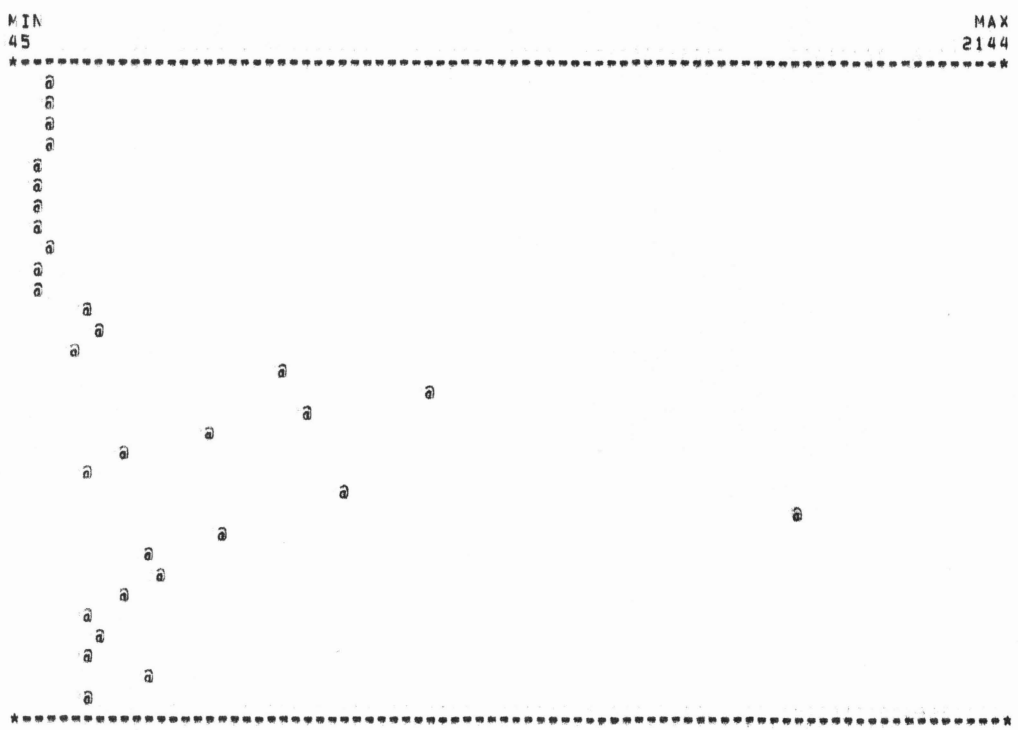
MONTH	DAY	AVG POWER* (KW)
FEBRUARY	1	167
FEBRUARY	2	154
FEBRUARY	3	149
FEBRUARY	4	145
FEBRUARY	5	135
FEBRUARY	6	104
FEBRUARY	7	247
FEBRUARY	8	109
FEBRUARY	9	137
FEBRUARY	10	170
FEBRUARY	11	576
FEBRUARY	12	125
FEBRUARY	13	114
FEBRUARY	14	118
FEBRUARY	15	99
FEBRUARY	16	108
FEBRUARY	17	165
FEBRUARY	18	101
FEBRUARY	19	255
FEBRUARY	20	45
FEBRUARY	21	290
FEBRUARY	22	45
FEBRUARY	23	1036
FEBRUARY	24	1253
FEBRUARY	25	76
FEBRUARY	26	90
FEBRUARY	27	93
FEBRUARY	28	90



AKUTAN DATA REPORT
LOUD CREEK = JUNE 1986 TO SEPT. 1987
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MARCH

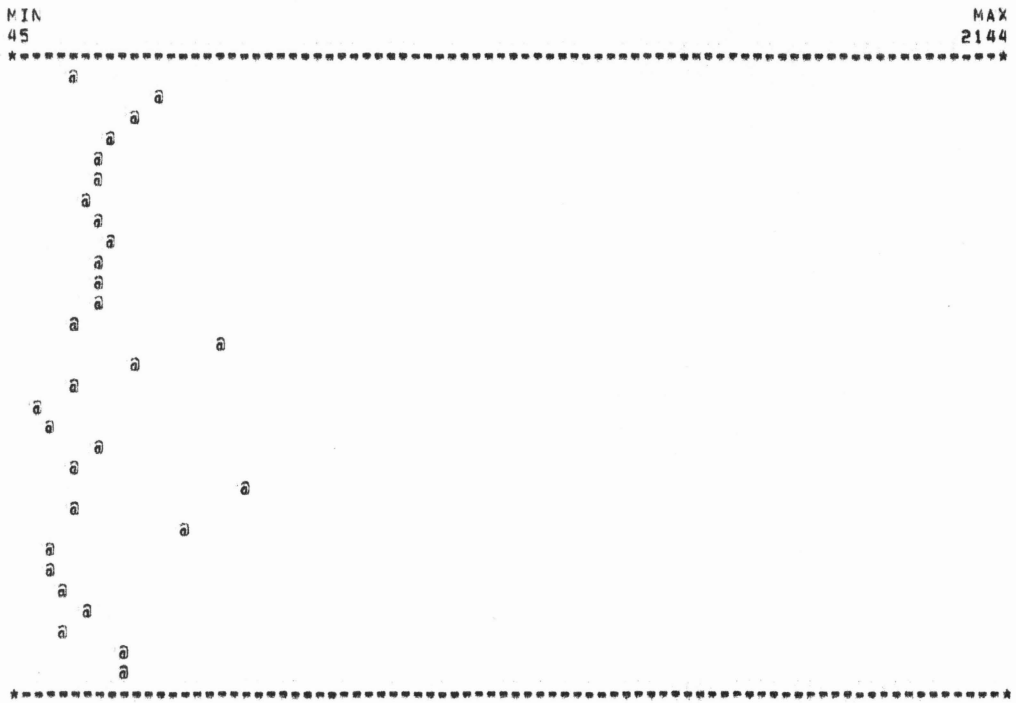
MONTH	DAY	AVG POWER* (KW)
MARCH	1	88
MARCH	2	88
MARCH	3	88
MARCH	4	98
MARCH	5	83
MARCH	6	73
MARCH	7	76
MARCH	8	75
MARCH	9	88
MARCH	10	79
MARCH	11	71
MARCH	12	166
MARCH	13	198
MARCH	14	146
MARCH	15	595
MARCH	16	923
MARCH	17	656
MARCH	18	435
MARCH	19	254
MARCH	20	163
MARCH	21	717
MARCH	22	1694
MARCH	23	463
MARCH	24	315
MARCH	25	328
MARCH	26	252
MARCH	27	186
MARCH	28	193
MARCH	29	167
MARCH	30	304
MARCH	31	178



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=APRIL

MONTH	DAY	AVG POWER* (KW)
APRIL	1	140
APRIL	2	330
APRIL	3	289
APRIL	4	226
APRIL	5	207
APRIL	6	196
APRIL	7	189
APRIL	8	200
APRIL	9	216
APRIL	10	213
APRIL	11	196
APRIL	12	192
APRIL	13	161
APRIL	14	455
APRIL	15	274
APRIL	16	146
APRIL	17	77
APRIL	18	107
APRIL	19	210
APRIL	20	138
APRIL	21	528
APRIL	22	161
APRIL	23	379
APRIL	24	85
APRIL	25	90
APRIL	26	121
APRIL	27	188
APRIL	28	129
APRIL	29	260
APRIL	30	261



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AKUTAN DATA REPORT

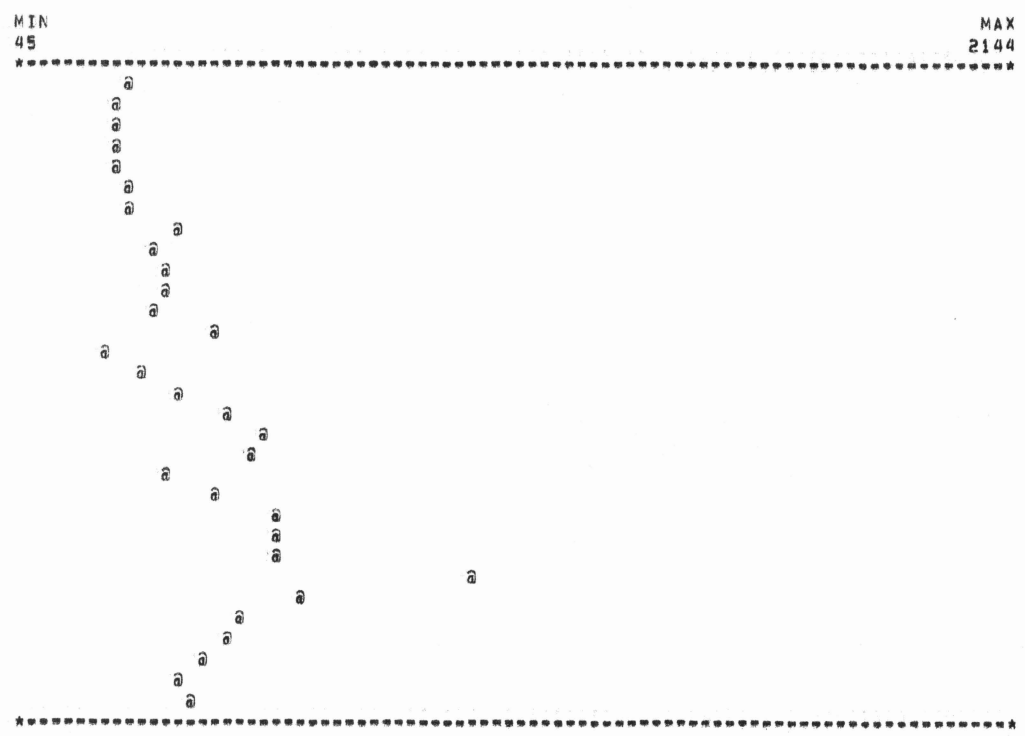
LOUD CREEK - JUNE 1986 TO SEPT. 1987

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=MAY

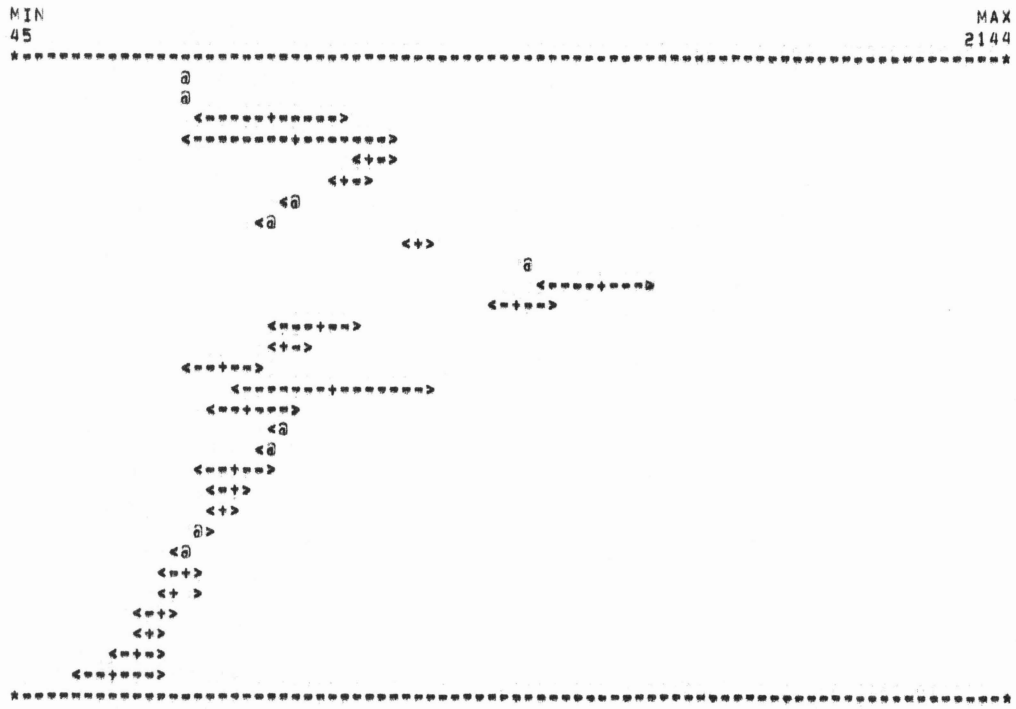
MONTH	DAY	AVG POWER* (KW)
MAY	1	259
MAY	2	235
MAY	3	219
MAY	4	234
MAY	5	237
MAY	6	252
MAY	7	250
MAY	8	356
MAY	9	318
MAY	10	330
MAY	11	336
MAY	12	300
MAY	13	449
MAY	14	203
MAY	15	273
MAY	16	357
MAY	17	462
MAY	18	534
MAY	19	508
MAY	20	324
MAY	21	433
MAY	22	562
MAY	23	578
MAY	24	569
MAY	25	981
MAY	26	631
MAY	27	481
MAY	28	465
MAY	29	403
MAY	30	366
MAY	31	389



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JUNE

MONTH	DAY	AVG POWER* (KW)
JUNE	1	378
JUNE	2	385
JUNE	3	573
JUNE	4	610
JUNE	5	788
JUNE	6	734
JUNE	7	614
JUNE	8	558
JUNE	9	885
JUNE	10	1117
JUNE	11	1265
JUNE	12	1105
JUNE	13	661
JUNE	14	600
JUNE	15	459
JUNE	16	710
JUNE	17	528
JUNE	18	585
JUNE	19	559
JUNE	20	488
JUNE	21	483
JUNE	22	466
JUNE	23	419
JUNE	24	382
JUNE	25	380
JUNE	26	369
JUNE	27	330
JUNE	28	312
JUNE	29	271
JUNE	30	239



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AKUTAN DATA REPORT

LOUD CREEK - JUNE 1986 TO SEPT. 1987

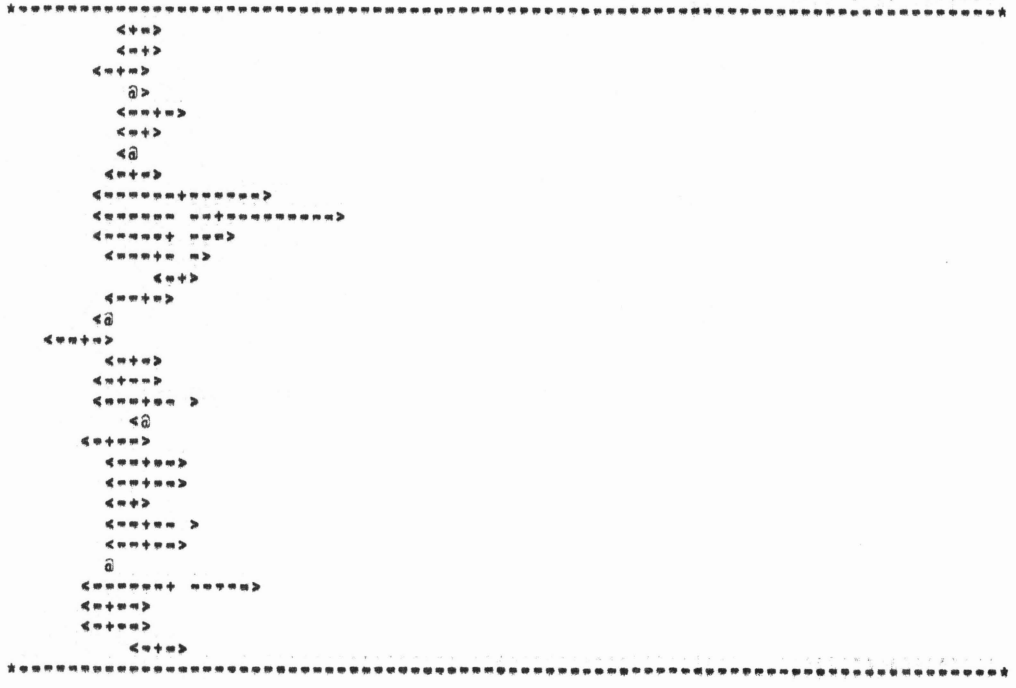
DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=JULY

MONTH	DAY	AVG POWER* (KW)
JULY	1	292
JULY	2	298
JULY	3	256
JULY	4	291
JULY	5	331
JULY	6	298
JULY	7	271
JULY	8	284
JULY	9	392
JULY	10	471
JULY	11	347
JULY	12	335
JULY	13	374
JULY	14	297
JULY	15	216
JULY	16	164
JULY	17	278
JULY	18	268
JULY	19	295
JULY	20	295
JULY	21	240
JULY	22	307
JULY	23	312
JULY	24	273
JULY	25	313
JULY	26	299
JULY	27	232
JULY	28	365
JULY	29	240
JULY	30	241
JULY	31	339

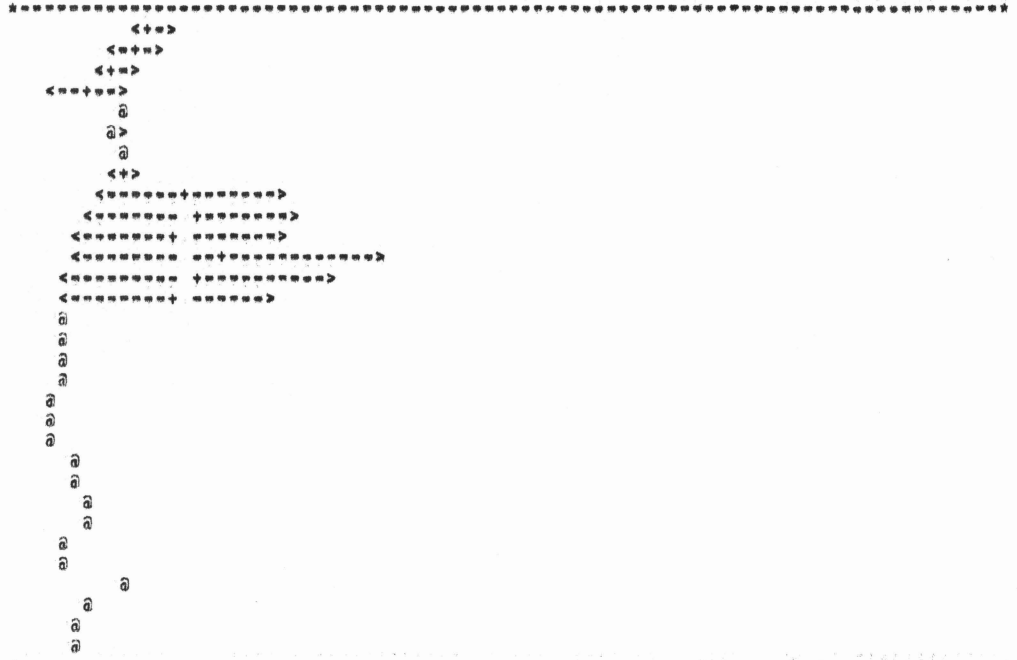
MIN 45 MAX 2144



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=AUGUST

MONTH	DAY	AVG POWER* (KW)
AUGUST	1	317
AUGUST	2	282
AUGUST	3	238
AUGUST	4	180
AUGUST	5	255
AUGUST	6	241
AUGUST	7	256
AUGUST	8	247
AUGUST	9	388
AUGUST	10	408
AUGUST	11	366
AUGUST	12	470
AUGUST	13	413
AUGUST	14	352
AUGUST	15	126
AUGUST	16	130
AUGUST	17	118
AUGUST	18	111
AUGUST	19	95
AUGUST	20	98
AUGUST	21	101
AUGUST	22	147
AUGUST	23	159
AUGUST	24	186
AUGUST	25	168
AUGUST	26	114
AUGUST	27	120
AUGUST	28	250
AUGUST	29	171
AUGUST	30	159
AUGUST	31	149



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AKUTAN DATA REPORT

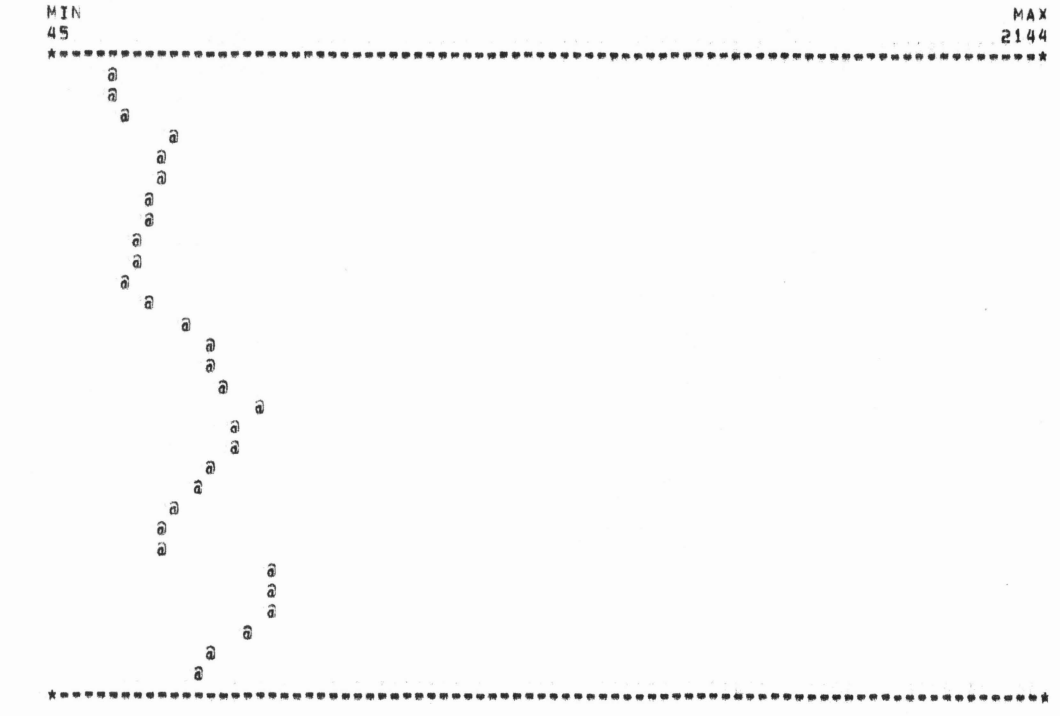
LOUD CREEK - JUNE 1986 TO SEPT. 1987

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=SEPTEMBR

MONTH	DAY	AVG POWER* (KW)
SEPTEMBR	1	142
SEPTEMBR	2	149
SEPTEMBR	3	167
SEPTEMBR	4	268
SEPTEMBR	5	257
SEPTEMBR	6	247
SEPTEMBR	7	231
SEPTEMBR	8	218
SEPTEMBR	9	196
SEPTEMBR	10	213
SEPTEMBR	11	179
SEPTEMBR	12	233
SEPTEMBR	13	313
SEPTEMBR	14	348
SEPTEMBR	15	354
SEPTEMBR	16	377
SEPTEMBR	17	457
SEPTEMBR	18	422
SEPTEMBR	19	422
SEPTEMBR	20	367
SEPTEMBR	21	330
SEPTEMBR	22	288
SEPTEMBR	23	247
SEPTEMBR	24	267
SEPTEMBR	25	492
SEPTEMBR	26	495
SEPTEMBR	27	480
SEPTEMBR	28	431
SEPTEMBR	29	367
SEPTEMBR	30	323



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AKUTAN DATA REPORT

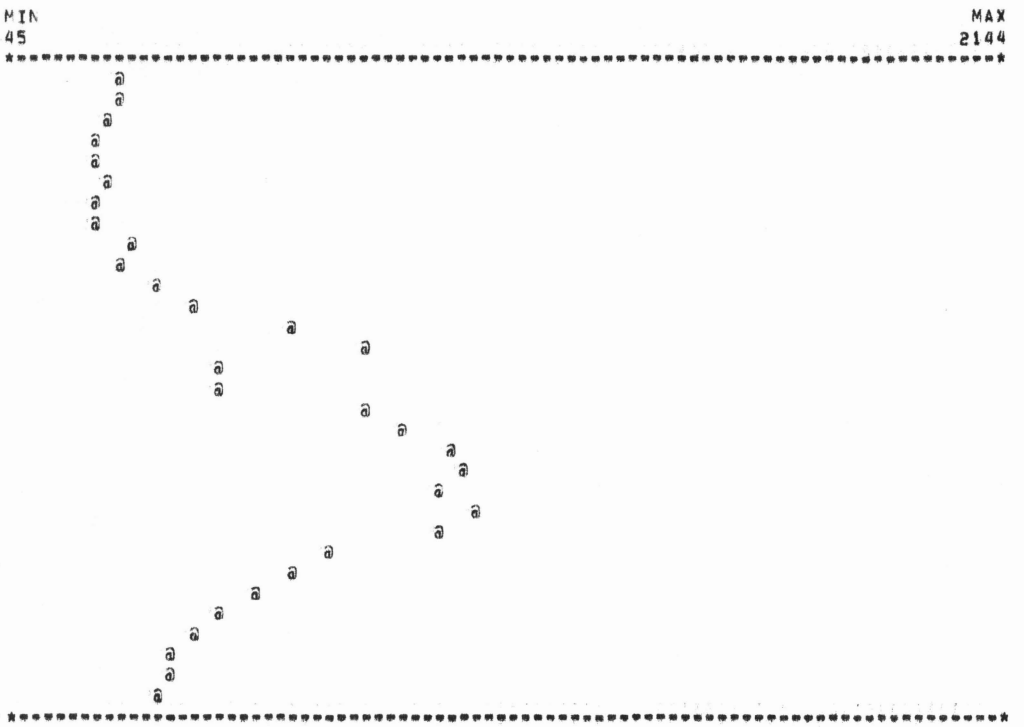
LOUD CREEK - JUNE 1986 TO SEPT. 1987

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=OCTOBER

MONTH	DAY	AVG POWER* (KW)
OCTOBER	1	267
OCTOBER	2	247
OCTOBER	3	227
OCTOBER	4	213
OCTOBER	5	196
OCTOBER	6	223
OCTOBER	7	213
OCTOBER	8	190
OCTOBER	9	275
OCTOBER	10	242
OCTOBER	11	325
OCTOBER	12	407
OCTOBER	13	620
OCTOBER	14	791
OCTOBER	15	457
OCTOBER	16	466
OCTOBER	17	791
OCTOBER	18	867
OCTOBER	19	976
OCTOBER	20	998
OCTOBER	21	925
OCTOBER	22	1016
OCTOBER	23	948
OCTOBER	24	699
OCTOBER	25	620
OCTOBER	26	531
OCTOBER	27	473
OCTOBER	28	412
OCTOBER	29	367
OCTOBER	30	354
OCTOBER	31	323



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AKUTAN DATA REPORT

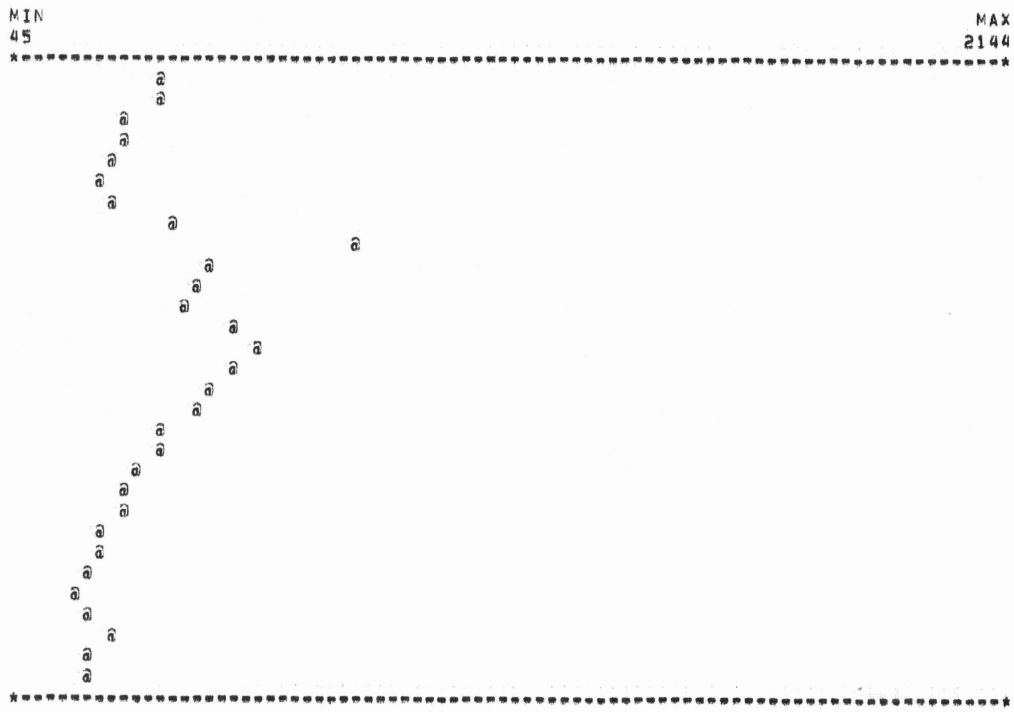
LOUD CREEK - JUNE 1986 TO SEPT. 1987

DAILY MIN,MAX AND MEAN POWER (KW)

H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH=NOVEMBER

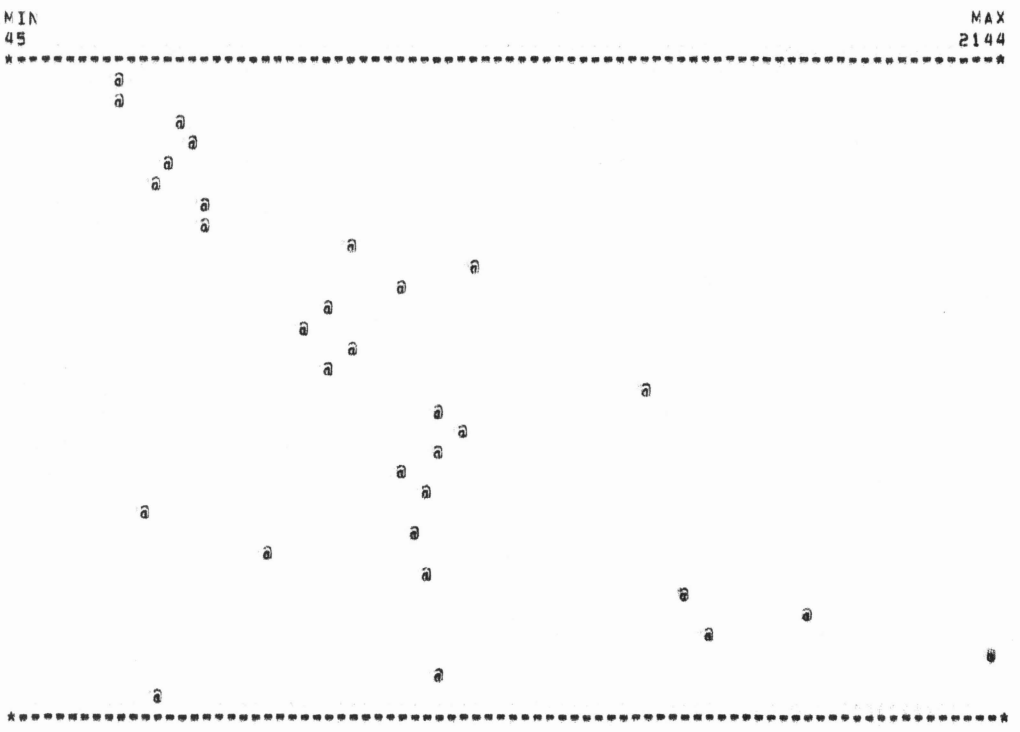
MONTH	DAY	AVG POWER* (KW)
NOVEMBER	1	336
NOVEMBER	2	339
NOVEMBER	3	257
NOVEMBER	4	242
NOVEMBER	5	237
NOVEMBER	6	213
NOVEMBER	7	227
NOVEMBER	8	371
NOVEMBER	9	741
NOVEMBER	10	450
NOVEMBER	11	422
NOVEMBER	12	396
NOVEMBER	13	490
NOVEMBER	14	536
NOVEMBER	15	503
NOVEMBER	16	448
NOVEMBER	17	419
NOVEMBER	18	335
NOVEMBER	19	323
NOVEMBER	20	280
NOVEMBER	21	247
NOVEMBER	22	242
NOVEMBER	23	212
NOVEMBER	24	190
NOVEMBER	25	167
NOVEMBER	26	159
NOVEMBER	27	163
NOVEMBER	28	227
NOVEMBER	29	175
NOVEMBER	30	176



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT, 1987
DAILY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

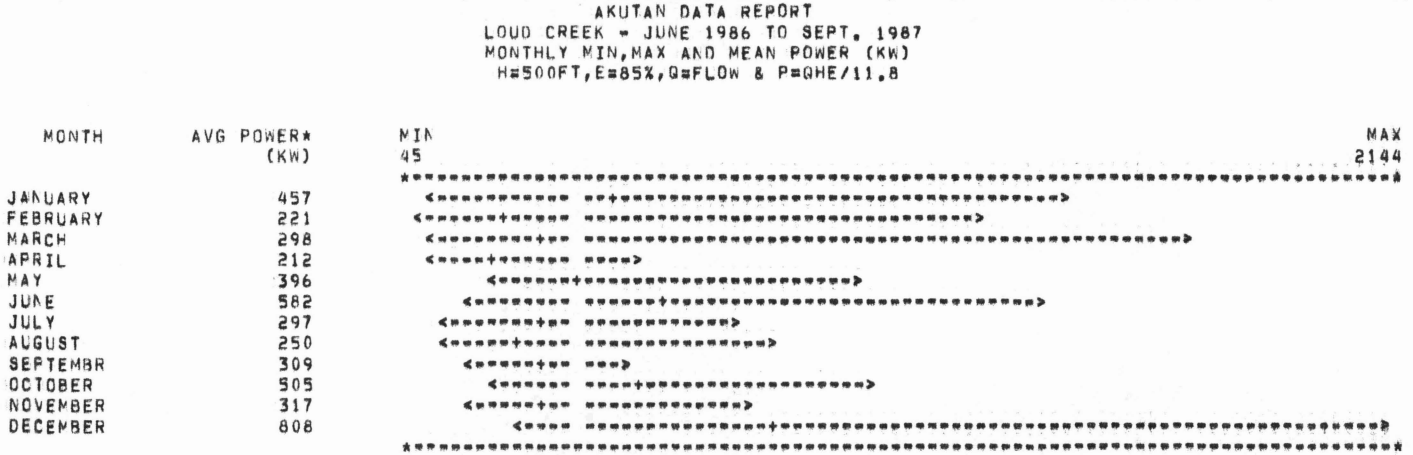
MONTH=DECEMBER

MONTH	DAY	AVG POWER* (KW)
DECEMBER	1	247
DECEMBER	2	247
DECEMBER	3	377
DECEMBER	4	423
DECEMBER	5	361
DECEMBER	6	323
DECEMBER	7	428
DECEMBER	8	432
DECEMBER	9	749
DECEMBER	10	1024
DECEMBER	11	845
DECEMBER	12	708
DECEMBER	13	655
DECEMBER	14	741
DECEMBER	15	691
DECEMBER	16	1381
DECEMBER	17	949
DECEMBER	18	990
DECEMBER	19	942
DECEMBER	20	870
DECEMBER	21	917
DECEMBER	22	310
DECEMBER	23	876
DECEMBER	24	579
DECEMBER	25	909
DECEMBER	26	1452
DECEMBER	27	1715
DECEMBER	28	1507
DECEMBER	29	2144
DECEMBER	30	930
DECEMBER	31	323



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
MONTHLY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

MONTH	AVG POWER* (KW)
JANUARY	457
FEBRUARY	221
MARCH	298
APRIL	212
MAY	396
JUNE	582
JULY	297
AUGUST	250
SEPTEMBR	309
OCTOBER	505
NOVEMBER	317
DECEMBER	808



AKUTAN DATA REPORT
LOUD CREEK - JUNE 1986 TO SEPT. 1987
QUARTERLY MIN,MAX AND MEAN POWER (KW)
H=500FT,E=85%,Q=FLOW & P=QHE/11.8

QUARTER	AVG POWER* (KW)
FIRST_QUARTER	329
SECOND_QUARTER	440
THIRD_QUARTER	284
FOURTH_QUARTER	546