

# YUKON ALASKA

## 15477730 LIESE CREEK NEAR BIG DELTA

LOCATION.--Lat 64°26'53", long 144°52'59", in SW<sup>1</sup>/<sub>4</sub> sec.25, T.5 S., R.14 E., (Big Delta B-2 quad), Hydrologic Unit 19040503, on right bank, 1.7 mi upstream from mouth, 1.5 mi east of Teck Cominco Corp, Pogo Mine Camp site, and 34 mi northeast of Big Delta.

DRAINAGE AREA.--1.08 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1999 to current year (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 2200 ft above sea level, from topographic map.

REMARKS.--Records fair except for discharges below 0.2 cfs which are poor. Estimated daily discharges are poor.

### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.73	e0.25	e0.05	e0.01	e0.01	e0.01	e0.01	e0.12	1.1	0.25	0.56	0.33
2	0.72	e0.24	e0.05	e0.01	e0.01	e0.01	e0.01	e0.17	1.2	0.25	0.72	0.33
3	0.72	e0.23	e0.05	e0.01	e0.01	e0.01	e0.01	e0.26	1.7	0.25	0.62	0.31
4	0.78	e0.22	e0.04	e0.01	e0.01	e0.01	e0.01	e0.63	1.3	0.24	0.53	0.31
5	0.81	e0.21	e0.04	e0.01	e0.01	e0.01	e0.02	e1.3	0.96	0.73	0.45	0.31
6	0.82	e0.20	e0.04	e0.01	e0.01	e0.01	e0.02	e1.8	0.82	0.90	0.40	0.31
7	0.80	e0.19	e0.04	e0.01	e0.01	e0.01	e0.02	e2.3	0.68	0.78	0.36	0.29
8	0.77	e0.18	e0.03	e0.01	e0.01	e0.01	e0.02	2.9	3.2	0.56	0.34	0.31
9	0.73	e0.17	e0.03	e0.01	e0.01	e0.01	e0.02	3.5	7.7	0.47	0.33	0.30
10	0.69	e0.16	e0.03	e0.01	e0.01	e0.01	e0.02	2.0	3.7	0.41	0.32	0.28
11	e0.66	e0.16	e0.03	e0.01	e0.01	e0.01	e0.02	3.6	2.0	0.38	0.33	0.25
12	e0.62	e0.15	e0.02	e0.01	e0.01	e0.01	e0.02	6.4	1.3	0.35	0.34	0.25
13	e0.58	e0.14	e0.02	e0.01	e0.01	e0.01	e0.02	3.7	1.0	0.32	0.34	0.25
14	e0.54	e0.13	e0.02	e0.01	e0.01	e0.01	e0.02	2.8	0.90	0.30	0.33	0.25
15	e0.52	e0.13	e0.02	e0.01	e0.01	e0.01	e0.02	3.0	0.77	0.30	0.32	0.24
16	e0.49	e0.12	e0.02	e0.01	e0.01	e0.01	e0.03	2.3	0.68	0.29	0.31	0.24
17	e0.47	e0.12	e0.01	e0.01	e0.01	e0.01	e0.03	1.8	0.59	0.29	0.30	0.23
18	e0.45	e0.11	e0.01	e0.01	e0.01	e0.01	e0.03	1.2	0.52	0.28	0.29	0.24
19	e0.42	e0.10	e0.01	e0.01	e0.01	e0.01	e0.03	0.90	0.47	0.28	0.29	0.22
20	e0.40	e0.10	e0.01	e0.01	e0.01	e0.01	e0.03	0.66	0.42	0.27	0.30	0.23
21	e0.38	e0.09	e0.01	e0.01	e0.01	e0.01	e0.03	0.48	0.39	0.26	0.32	0.22
22	e0.37	e0.09	e0.01	e0.01	e0.01	e0.01	e0.03	0.44	0.36	0.26	0.32	0.23
23	e0.35	e0.08	e0.01	e0.01	e0.01	e0.01	e0.03	0.55	0.33	0.27	0.32	e0.22
24	e0.34	e0.08	e0.01	e0.01	e0.01	e0.01	e0.03	0.79	0.31	0.27	0.32	e0.21
25	e0.32	e0.07	e0.01	e0.01	e0.01	e0.01	e0.03	1.4	0.29	0.26	0.31	e0.20
26	e0.31	e0.07	e0.01	e0.01	e0.01	e0.01	e0.03	2.2	0.28	0.26	0.31	e0.20
27	e0.30	e0.06	e0.01	e0.01	e0.01	e0.01	e0.04	2.1	0.28	0.26	0.32	e0.19
28	e0.29	e0.06	e0.01	e0.01	e0.01	e0.01	e0.05	1.4	0.26	0.25	0.33	e0.19
29	e0.28	e0.06	e0.01	e0.01	e0.01	e0.01	e0.07	1.7	0.26	0.25	0.32	e0.19
30	e0.27	e0.05	e0.01	e0.01	---	e0.01	e0.09	1.8	0.25	0.25	0.33	e0.18
31	e0.26	---	e0.01	e0.01	---	e0.01	---	1.3	---	0.25	0.33	---
TOTAL	16.19	4.02	0.68	0.31	0.29	0.31	0.84	55.50	34.02	10.74	11.31	7.51
MEAN	0.52	0.13	0.02	0.01	0.01	0.01	0.03	1.79	1.13	0.35	0.36	0.25
MAX	0.82	0.25	0.05	0.01	0.01	0.01	0.09	6.4	7.7	0.90	0.72	0.33
MIN	0.26	0.05	0.01	0.01	0.01	0.01	0.01	0.12	0.25	0.24	0.29	0.18
MED	0.49	0.12	0.02	0.01	0.01	0.01	0.03	1.7	0.68	0.27	0.33	0.24
AC-FT	32	8.0	1.3	0.6	0.6	0.6	1.7	110	67	21	22	15
CFSM	0.48	0.12	0.02	0.01	0.01	0.01	0.03	1.66	1.05	0.32	0.34	0.23
IN.	0.56	0.14	0.02	0.01	0.01	0.01	0.03	1.91	1.17	0.37	0.39	0.26

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004
MEAN	0.28	0.06	0.01	0.01	0.01
MAX	0.52	0.13	0.02	0.01	0.01
(WY)	2004	2004	2002	2002	2002
MIN	0.03	0.00	0.00	0.00	0.00
(WY)	2000	2000	2000	2000	2000

### SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 2000 - 2004
ANNUAL TOTAL	191.10	141.72	
ANNUAL MEAN	0.52	0.39	0.52
HIGHEST ANNUAL MEAN			0.66
LOWEST ANNUAL MEAN			0.39
HIGHEST DAILY MEAN	9.6 Sep 2	7.7 Jun 9	9.6 Sep 2 2003
LOWEST DAILY MEAN	a0.01 Jan 1	b0.01 Dec 17	c0.00 Oct 30 1999
ANNUAL SEVEN-DAY MINIMUM	0.01 Jan 1	0.01 Dec 17	0.00 Oct 30 1999
MAXIMUM PEAK FLOW		23 Jun 8	23 Jun 8 2004
MAXIMUM PEAK STAGE		20.75 Jun 8	20.75 Jun 8 2004
MAXIMUM PEAK STAGE			d22.80 May 18 2000
ANNUAL RUNOFF (AC-FT)	379	281	380
ANNUAL RUNOFF (CFSM)	0.485	0.359	0.486
ANNUAL RUNOFF (INCHES)	6.58	4.88	6.60
10 PERCENT EXCEEDS	1.1	0.82	1.5
50 PERCENT EXCEEDS	0.13	0.20	0.08
90 PERCENT EXCEEDS	0.01	0.01	0.00

- a Jan. 1 to Apr. 13
- b Dec. 17 to Apr. 4
- c Oct. 30, 1999 to May 7, 2000 and Nov. 30, 2000 to Apr. 21, 2001
- d Backwater from ice
- e Estimated