

YUKON ALASKA

15477790 CENTRAL CREEK NEAR BIG DELTA

LOCATION.--Lat 64°22'37", long 144°56'35", in SE¹/₄ sec. 22, T. 6 S., R. 14 E. (Big Delta B-2 quad), Hydrologic Unit 19040503, on right bank, 0.5 mi upstream from mouth, 5 mi south of Pogo Mine Camp site, and 31 mi northeast of Big Delta.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--August 1997 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 1250 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

REVISIONS.--Revised daily discharges in cubic feet per second for water year 2004 are given below. These figures supersede those published in report and AK-04-1.

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	79	e28	e14	e10	e9.0	e8.0	e8.0	280	163	27	38	32
2	81	e29	e14	e10	e8.0	e8.0	e8.0	331	155	25	78	30
3	82	e29	e14	e10	e8.0	e8.0	e8.0	208	181	25	64	30
4	82	e29	e14	e10	e8.0	e8.0	e8.0	230	151	24	53	30
5	79	e28	e13	e10	e8.0	e8.0	e9.0	363	109	41	46	30
6	78	e28	e13	e9.0	e8.0	e8.0	e9.0	593	87	56	42	29
7	77	e27	e13	e9.0	e8.0	e8.0	e9.0	2040	79	63	39	28
8	74	e26	e13	e9.0	e8.0	e8.0	e9.0	875	209	52	36	28
9	71	e24	e13	e9.0	e8.0	e8.0	e9.0	431	445	45	34	27
10	70	e22	e12	e9.0	e8.0	e8.0	e9.0	289	383	40	32	27
11	57	e20	e12	e9.0	e8.0	e8.0	e9.0	291	189	38	32	26
12	61	e19	e12	e9.0	e8.0	e8.0	9.4	673	124	34	32	25
13	42	e23	e12	e9.0	e8.0	e8.0	9.5	407	93	31	31	25
14	34	e22	e12	e9.0	e8.0	e8.0	10	271	78	28	30	28
15	e34	e22	e12	e9.0	e8.0	e8.0	10	235	71	27	28	28
16	e31	e21	e12	e9.0	e8.0	e8.0	11	200	63	28	28	26
17	e28	e20	e11	e9.0	e8.0	e8.0	11	158	56	26	28	24
18	e24	e19	e11	e9.0	e8.0	e8.0	12	126	51	25	27	23
19	e26	e19	e11	e9.0	e8.0	e8.0	15	104	46	24	26	22
20	e28	e18	e11	e9.0	e8.0	e8.0	18	86	42	29	27	24
21	e29	e18	e11	e9.0	e8.0	e8.0	20	71	38	30	35	25
22	e30	e17	e11	e9.0	e8.0	e8.0	23	63	35	31	36	24
23	e29	e17	e11	e9.0	e8.0	e8.0	25	66	33	34	35	25
24	e29	e16	e10	e9.0	&15	e8.0	27	71	31	32	34	25
25	e29	e16	e10	e9.0	e8.0	e8.0	35	91	30	30	33	21
26	e28	e15	e10	e9.0	e8.0	e8.0	47	180	30	31	32	23
27	e28	e15	e10	e9.0	e8.0	e8.0	62	321	30	30	31	27
28	e27	e15	e10	e9.0	e8.0	e8.0	67	239	29	27	33	23
29	e27	e15	e10	e9.0	e8.0	e8.0	76	221	29	29	34	23
30	e27	e14	e10	e9.0	---	e8.0	134	187	28	30	33	23
31	e28	---	e10	e9.0	---	e8.0	---	143	---	30	32	---
TOTAL	1449	631	362	284.0	240.0	248.0	716.9	9844	3088	1022	1119	781
MEAN	46.7	21.0	11.7	9.16	8.28	8.00	23.9	318	103	33.0	36.1	26.0
MAX	82	29	14	10	15	8.0	134	2040	445	63	78	32
MIN	24	14	10	9.0	8.0	8.0	8.0	63	28	24	26	21
AC-FT	2870	1250	718	563	476	492	1420	19530	6130	2030	2220	1550
CFSM	0.41	0.18	0.10	0.08	0.07	0.07	0.21	2.76	0.90	0.29	0.31	0.23
IN.	0.47	0.20	0.12	0.09	0.08	0.08	0.23	3.18	1.00	0.33	0.36	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002	2003	2004	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	34.5	15.0	7.44	4.26	3.30	2.88	19.5	176	90.6	78.0	111	91.6				
MAX	60.3	30.9	17.4	11.3	8.74	8.00	68.4	318	170	128	237	228				
(WY)	2003	2001	2003	2001	2001	2004	2003	2004	2000	2001	2000	2003				
MIN	13.8	4.71	0.75	0.03	0.00	0.00	3.83	81.6	26.3	33.0	36.1	26.0				
(WY)	2000	1999	1999	1999	1999	1999	2002	1998	1998	2004	2004	2004				

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1997 - 2004#

ANNUAL TOTAL	21463.0	19784.9														
ANNUAL MEAN	58.8									53.8						
HIGHEST ANNUAL MEAN										75.7						2002
LOWEST ANNUAL MEAN										26.8						1998
HIGHEST DAILY MEAN	997	Sep 1					2040	May 7		2040	May 7					2004
LOWEST DAILY MEAN	a4.0	Mar 15					b8.0	Feb 2		c0.00	Jan 8					1999
ANNUAL SEVEN-DAY MINIMUM	4.0	Mar 15					8.0	Feb 2		0.00	Jan 8					1999
MAXIMUM PEAK FLOW							2800	May 7		d2800	May 7					2004
MAXIMUM PEAK STAGE							46.42	May 7		46.42	May 7					2004
ANNUAL RUNOFF (AC-FT)	42570						39240			38970						
ANNUAL RUNOFF (CFSM)	0.511						0.470			0.468						
ANNUAL RUNOFF (INCHES)	6.94						6.40			6.36						
10 PERCENT EXCEEDS	126						96			128						
50 PERCENT EXCEEDS	26						25			22						
90 PERCENT EXCEEDS	4.2						8.0			0.30						

See Period of Record; partial years used in monthly statistics
a From Mar 15 to Apr 11
b From Feb 2 to Apr 4
c From Jan. 8 to Apr.17, 1999 and Feb. 18 to Apr. 17, 2000
d From rating curve extended above 430 ft³/s
e Estimated

YUKON ALASKA

15477790 CENTRAL CREEK NEAR BIG DELTA—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	e8.5	e7.5	e5.5	e5.0	e4.5	e4.2	483	61	85	283	91
2	22	e8.0	e7.0	e5.5	e5.0	e4.5	e4.2	337	77	83	346	107
3	24	e7.6	e7.0	e5.5	e5.0	e4.5	e4.2	280	230	81	217	100
4	25	e7.4	e7.0	e5.5	e5.0	e4.5	e4.2	288	324	82	167	92
5	21	e7.0	e7.0	e5.5	e4.5	e4.5	e4.2	257	200	90	159	86
6	25	e7.4	e7.0	e5.5	e4.5	e4.5	e4.2	225	138	91	154	82
7	23	e8.0	e7.0	e5.5	e4.5	e4.5	e4.2	248	108	89	148	80
8	23	e9.0	e7.0	e5.0	e4.5	e4.5	e4.2	311	91	90	135	81
9	22	e9.4	e6.5	e5.0	e4.5	e4.5	e4.2	329	79	89	123	81
10	20	e10	e6.5	e5.0	e4.5	e4.5	e4.2	301	71	100	113	80
11	22	e11	e6.5	e5.0	e4.5	e4.5	e4.2	231	64	94	105	79
12	18	e11	e6.5	e5.0	e4.5	e4.5	e4.5	190	63	86	99	78
13	22	e10	e6.5	e5.0	e4.5	e4.5	e4.5	193	81	80	94	78
14	21	e9.5	e6.5	e5.0	e4.5	e4.5	e4.5	169	96	75	90	78
15	20	e9.5	e6.5	e5.0	e4.5	e4.2	e4.5	144	110	72	85	77
16	16	e9.0	e6.0	e5.0	e4.5	e4.2	e4.5	128	93	69	85	77
17	e13	e9.0	e6.0	e5.0	e4.5	e4.2	e4.5	105	94	71	83	76
18	e10	e8.5	e6.0	e5.0	e4.5	e4.2	e4.5	526	103	96	81	77
19	e9.0	e8.5	e6.0	e5.0	e4.5	e4.2	e5.0	255	183	257	79	83
20	e10	e8.0	e6.0	e5.0	e4.5	e4.2	e7.0	156	769	172	78	102
21	e12	e8.0	e6.0	e5.0	e4.5	e4.2	e10	121	318	131	76	122
22	e15	e8.0	e6.0	e5.0	e4.5	e4.2	e14	119	189	111	75	116
23	e15	e8.0	e6.0	e5.0	e4.5	e4.2	18	106	143	100	73	117
24	e14	e8.0	e6.0	e5.0	e4.5	e4.2	30	94	120	92	72	132
25	e14	e8.0	e6.0	e5.0	e4.5	e4.2	62	85	111	87	72	162
26	e13	e8.0	e6.0	e5.0	e4.5	e4.2	136	84	106	81	72	151
27	e12	e8.0	e5.5	e5.0	e4.5	e4.2	241	79	99	77	71	137
28	e11	e8.0	e5.5	e5.0	e4.5	e4.2	318	75	96	85	70	127
29	e10	e8.0	e5.5	e5.0	---	e4.2	358	70	89	84	70	121
30	e9.5	e8.0	e5.5	e5.0	---	e4.2	482	65	82	93	70	122
31	e9.0	---	e5.5	e5.0	---	e4.2	---	61	---	111	82	---
TOTAL	527.5	256.3	195.5	158.5	128.0	134.4	1758.7	6115	4388	3004	3527	2992
MEAN	17.0	8.54	6.31	5.11	4.57	4.34	58.6	197	146	96.9	114	99.7
MAX	27	11	7.5	5.5	5.0	4.5	482	526	769	257	346	162
MIN	9.0	7.0	5.5	5.0	4.5	4.2	4.2	61	61	69	70	76
AC-FT	1050	508	388	314	254	267	3490	12130	8700	5960	7000	5930
CFSM	0.15	0.07	0.05	0.04	0.04	0.04	0.51	1.72	1.27	0.84	0.99	0.87
IN.	0.17	0.08	0.06	0.05	0.04	0.04	0.57	1.98	1.42	0.97	1.14	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)#

MEAN	32.3	14.2	7.29	4.36	3.46	3.06	24.4	179	97.6	80.3	111	92.5
MAX	60.3	30.9	17.4	11.3	8.74	8.00	68.4	318	170	128	237	228
(WY)	2003	2001	2003	2001	2001	2004	2003	2004	2000	2001	2000	2003
MIN	13.8	4.71	0.75	0.03	0.00	0.00	3.83	81.6	26.3	33.0	36.1	26.0
(WY)	2000	1999	1999	1999	1999	1999	2002	1998	1998	2004	2004	2004

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1997 - 2005#

ANNUAL TOTAL	18322.2	23184.9		
ANNUAL MEAN	50.1	63.5		55.0
HIGHEST ANNUAL MEAN				75.7
LOWEST ANNUAL MEAN				26.8
HIGHEST DAILY MEAN	2040	May 7	769	Jun 20
LOWEST DAILY MEAN	a5.5	Dec 27	b4.2	Mar 15
ANNUAL SEVEN-DAY MINIMUM	5.6	Dec 25	4.2	Mar 15
MAXIMUM PEAK FLOW			1090	Jun 20
MAXIMUM PEAK STAGE			46.06	Jun 20
ANNUAL RUNOFF (AC-FT)	36340	45990		39850
ANNUAL RUNOFF (CFSM)	0.435		0.552	0.478
ANNUAL RUNOFF (INCHES)	5.93		7.50	6.50
10 PERCENT EXCEEDS	96		155	132
50 PERCENT EXCEEDS	15		13	21
90 PERCENT EXCEEDS	8.0		4.5	0.40

See Period of Record; partial years used in monthly statistics

a From Dec 27 to Dec 31

b From Mar 15 to Apr 11

c From Jan. 8 to Apr.17, 1999 and Feb. 18 to Apr. 17, 2000

d From rating curve extended above 430 ft³/s

e Estimated