

YUKON ALASKA

15564879 SLATE CREEK AT COLDFOOT

LOCATION.--Lat 67°15'17", long 150°10'24", in NW¹/₄ sec. 15, T. 28 N., R. 12 W. (Wiseman B-1 quad), Hydrologic Unit 19040601, on left bank 40 ft downstream from bridge on Dalton Highway, 1.1 mi upstream from mouth and 0.1 mi north of Coldfoot.

DRAINAGE AREA.--73.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years 1981-94. May 1995 to current year (no winter records in water years 1995-98).

REVISED RECORDS.--WRD AK-99-1: 1984(M), 1989(M), 1993(M), 1994(M), 1998 (M).

GAGE.--Water-stage recorder. Elevation of gage is 1050 ft above sea level, from topographic map. Prior to May 5, 1995, nonrecording gage at site 105 ft upstream at same datum. May 5, 1995 to Present, recording gage at site 60 ft downstream at same datum.

REMARKS.--Records good, except estimated daily discharges which are poor. GOES satellite telemetry at station.

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	118	e55	e14	e1.5	e0.0	e0.0	e0.0	e4.0	269	30	107	44
2	120	e53	e14	e1.4	e0.0	e0.0	e0.0	e6.0	295	28	82	46
3	122	e50	e13	e1.2	e0.0	e0.0	e0.0	e7.0	241	29	64	43
4	197	e48	e13	e1.0	e0.0	e0.0	e0.0	e8.0	262	29	55	41
5	184	e46	e12	e0.8	e0.0	e0.0	e0.0	e9.0	333	29	49	40
6	166	e44	e12	e0.6	e0.0	e0.0	e0.0	e10	246	27	45	38
7	159	e42	e11	e0.4	e0.0	e0.0	e0.0	e11	192	26	43	37
8	149	e40	e11	e0.2	e0.0	e0.0	e0.0	e14	164	27	41	37
9	139	e38	e10	e0.0	e0.0	e0.0	e0.0	e18	144	25	39	36
10	139	e37	e9.4	e0.0	e0.0	e0.0	e0.0	e27	130	23	38	35
11	132	e35	e8.8	e0.0	e0.0	e0.0	e0.0	e44	106	21	36	34
12	126	e34	e8.2	e0.0	e0.0	e0.0	e0.0	e67	95	20	35	34
13	120	e32	e7.5	e0.0	e0.0	e0.0	e0.0	e100	85	20	63	33
14	e110	e31	e6.9	e0.0	e0.0	e0.0	e0.0	e200	78	19	143	36
15	e107	e30	e6.4	e0.0	e0.0	e0.0	e0.0	e230	72	19	114	35
16	e100	e28	e5.9	e0.0	e0.0	e0.0	e0.0	e330	71	19	95	33
17	e94	e27	e5.5	e0.0	e0.0	e0.0	e0.0	e400	69	19	86	31
18	e90	e26	e5.0	e0.0	e0.0	e0.0	e0.0	e340	63	22	78	29
19	e88	e25	e4.6	e0.0	e0.0	e0.0	e0.0	e280	57	32	73	28
20	e86	e24	e4.3	e0.0	e0.0	e0.0	e0.0	209	53	30	68	29
21	e84	e23	e4.0	e0.0	e0.0	e0.0	e0.0	186	51	25	63	31
22	e82	e22	e3.7	e0.0	e0.0	e0.0	e0.0	183	48	28	60	30
23	e78	e21	e3.4	e0.0	e0.0	e0.0	e0.0	209	46	28	58	34
24	e75	e20	e3.1	e0.0	e0.0	e0.0	e0.0	340	42	29	54	32
25	e72	e19	e2.8	e0.0	e0.0	e0.0	e0.0	474	40	27	51	31
26	e70	e18	e2.6	e0.0	e0.0	e0.0	e0.0	560	37	27	50	29
27	e67	e17	e2.4	e0.0	e0.0	e0.0	e0.1	385	36	26	47	28
28	e65	e17	e2.2	e0.0	e0.0	e0.0	e0.5	407	35	25	46	27
29	e62	e16	e2.0	e0.0	e0.0	e0.0	e1.0	397	33	24	46	22
30	e60	e15	e1.8	e0.0	---	e0.0	e2.0	365	31	26	44	18
31	e57	---	e1.7	e0.0	---	e0.0	---	297	---	36	43	---
TOTAL	3318	933	212.2	7.1	0.0	0.0	3.6	6117.0	3424	795	1916	1001
MEAN	107	31.1	6.85	0.23	0.00	0.00	0.12	197	114	25.6	61.8	33.4
MAX	197	55	14	1.5	0.00	0.00	2.0	560	333	36	143	46
MIN	57	15	1.7	0.00	0.00	0.00	0.00	4.0	31	19	35	18
AC-FT	6580	1850	421	14	0.00	0.00	7.1	12130	6790	1580	3800	1990
CFSM	1.46	0.42	0.09	0.00	0.00	0.00	0.00	2.69	1.55	0.35	0.84	0.45
IN.	1.68	0.47	0.11	0.00	0.00	0.00	0.00	3.10	1.74	0.40	0.97	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)#

MEAN	56.9	17.4	7.85	3.31	1.98	1.54	2.50	196	210	100	182	145
MAX	107	31.1	17.3	12.1	9.07	7.13	9.32	378	319	184	435	234
(WY)	2004	2004	1999	1999	1999	1999	1998	1998	2003	1995	1998	2003
MIN	16.2	2.28	1.41	0.12	0.00	0.00	0.00	27.5	114	25.6	52.8	33.4
(WY)	1997	1998	2002	2001	2001	2001	2001	2003	2004	2004	2002	2004

See Period of Record; partial years used in monthly summary statistics
e Estimated

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004#	
ANNUAL TOTAL	35193.80		17726.9			
ANNUAL MEAN	96.4		48.4		71.7	
HIGHEST ANNUAL MEAN					93.4	
LOWEST ANNUAL MEAN					48.4	
HIGHEST DAILY MEAN					a2850	
LOWEST DAILY MEAN	1940	Jul 26	560	May 26	0.00	May 26 1998
ANNUAL SEVEN-DAY MINIMUM	b0.00	Feb 22	c0.00	Jan 9	0.00	Jan 13 2001
MAXIMUM PEAK FLOW	0.00	Feb 22	0.00	Jan 9	0.00	Jan 13 2001
MAXIMUM PEAK STAGE			790	May 26	f4930	May 26 1998
ANNUAL RUNOFF (AC-FT)	69810		35160		51930	
ANNUAL RUNOFF (CFSM)	1.31		0.660		0.977	
ANNUAL RUNOFF (INCHES)	17.84		8.98		13.27	
10 PERCENT EXCEEDS	256		131		190	
50 PERCENT EXCEEDS	19		24		19	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a Revised in 1999 from 2740 ft³/s

b From Feb. 22 to May 10

c From Jan. 9 to Apr. 26

f From rating curve extended above 2,190 ft³/s on basis of slope-area measurement at discharge 4,700 ft³/s, gage height 19.6 ft, at previous site 60 ft downstream.