

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 fair, except estimated daily discharges which are poor. GOES satellite telemetry at station.

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	e19	e4.2	e0.00	e0.00	e0.00	e0.00	e0.00	e20	333	93	83	98
2	e20	e3.8	e0.00	e0.00	e0.00	e0.00	e0.00	e23	290	91	79	92
3	e22	e3.4	e0.00	e0.00	e0.00	e0.00	e0.00	e27	274	87	76	91
4	e21	e2.8	e0.00	e0.00	e0.00	e0.00	e0.00	e34	254	92	73	88
5	e20	e2.4	e0.00	e0.00	e0.00	e0.00	e0.00	e42	253	90	71	90
6	e18	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e54	246	88	70	107
7	e16	e1.6	e0.00	e0.00	e0.00	e0.00	e0.00	e68	231	87	70	107
8	e15	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e100	220	83	69	98
9	e14	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e160	212	85	66	95
10	e13	e0.8	e0.00	e0.00	e0.00	e0.00	e0.00	e290	207	112	64	98
11	e13	e0.8	e0.00	e0.00	e0.00	e0.00	e0.00	487	206	263	63	98
12	e12	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	509	206	455	62	100
13	e12	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	546	211	371	61	121
14	e11	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	512	196	260	60	156
15	e11	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	803	195	205	59	161
16	e10	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	1440	188	171	58	149
17	e10	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	1020	175	160	56	139
18	e9.6	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	1040	160	156	55	132
19	e9.4	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	816	148	177	55	124
20	e9.0	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	639	137	161	55	119
21	e8.8	e0.00	e0.00	e0.00	e0.00	e0.00	e1.0	572	130	142	54	116
22	e8.6	e0.00	e0.00	e0.00	e0.00	e0.00	e2.0	503	123	130	53	118
23	e8.2	e0.00	e0.00	e0.00	e0.00	e0.00	e3.0	427	116	122	55	168
24	e7.8	e0.00	e0.00	e0.00	e0.00	e0.00	e4.0	404	111	113	78	207
25	e7.4	e0.00	e0.00	e0.00	e0.00	e0.00	e6.0	392	107	105	85	177
26	e7.0	e0.00	e0.00	e0.00	e0.00	e0.00	e8.0	367	102	99	92	185
27	e6.6	e0.00	e0.00	e0.00	e0.00	e0.00	e10	383	98	94	88	182
28	e6.0	e0.00	e0.00	e0.00	e0.00	e0.00	e13	389	95	90	83	163
29	e5.6	e0.00	e0.00	e0.00	---	e0.00	e15	350	93	87	79	147
30	e5.0	e0.00	e0.00	e0.00	---	e0.00	e18	343	91	83	76	136
31	e4.6	---	e0.00	e0.00	---	e0.00	---	376	---	81	89	---
TOTAL	360.6	27.60	0.00	0.00	0.00	0.00	80.00	13136	5408	4433	2137	3862
MEAN	11.6	0.92	0.00	0.00	0.00	0.00	2.67	424	180	143	68.9	129
MAX	22	4.2	0.00	0.00	0.00	0.00	18	1440	333	455	92	207
MIN	4.6	0.00	0.00	0.00	0.00	0.00	0.00	20	91	81	53	88
AC-FT	715	55	0.00	0.00	0.00	0.00	159	26060	10730	8790	4240	7660
CFSM	0.16	0.01	0.00	0.00	0.00	0.00	0.04	5.77	2.46	1.95	0.94	1.75
IN.	0.18	0.01	0.00	0.00	0.00	0.00	0.04	6.66	2.74	2.25	1.08	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)#

MEAN	51.9	15.3	6.73	2.84	1.70	1.32	2.52	219	207	104	172	143
MAX	107	31.1	17.3	12.1	9.07	7.13	9.32	424	319	184	435	234
(WY)	2004	2004	1999	1999	1999	1999	1998	2005	2003	1995	1998	2003
MIN	11.6	0.92	0.00	0.00	0.00	0.00	0.00	27.5	114	25.6	52.8	33.4
(WY)	2005	2005	2005	2005	2001	2001	2001	2003	2004	2004	2002	2004

See Period of Record; partial year was used in monthly statistics
e Estimated

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005#	
ANNUAL TOTAL	13651.90		29444.20			
ANNUAL MEAN	37.3		80.7		73.0	
HIGHEST ANNUAL MEAN					93.4	
LOWEST ANNUAL MEAN					48.4	
HIGHEST DAILY MEAN	560	May 26	1440	May 16	a2850	May 26 1998
LOWEST DAILY MEAN	b0.00	Jan 9	c0.00	Nov 21	0.00	Jan 13 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 9	0.00	Nov 21	0.00	Jan 13 2001
MAXIMUM PEAK FLOW			1720	May 16	d4930	May 26 1998
MAXIMUM PEAK STAGE			17.64	May 16	19.73	May 26 1998
ANNUAL RUNOFF (AC-FT)	27080		58400		52860	
ANNUAL RUNOFF (CFSM)	0.508		1.10		0.994	
ANNUAL RUNOFF (INCHES)	6.92		14.92		13.51	
10 PERCENT EXCEEDS	85		209		191	
50 PERCENT EXCEEDS	4.4		7.4		17	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

See Period of Record; partial year was used in monthly statistics

a Revised in 1999 from 2740 ft³/s

b From Jan. 9 to Apr. 26

c From Nov. 21 to Apr. 20

d 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.