

SOUTHEAST ALASKA

15056210 TAIYA RIVER NEAR SKAGWAY

LOCATION.--Lat 59°30'43", long 135°20'40", in SW¹/₄ NE¹/₄ SE¹/₄ sec. 22, T. 27 S., R. 59 E. (Skagway C-1 quad), Hydrologic Unit 19010303, on the downstream side of highway bridge, 1.0 mi downstream from West Creek, 2.2 mi upstream from mouth, and 4 mi north of Skagway.

DRAINAGE AREA.--179 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- October 1969 to November 1977; October 2003 to current year.

GAGE.--Water-stage recorder.

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

EXTREMES OUTSIDE PERIOD OF RECORD --Flood of September 1967 overflowed banks and probably reached a peak discharge of over 25,000 ft³/s.

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	2340	315	370	e102	e62	174	104	977	2410	3660	2310	2190
2	2300	298	570	e92	e59	256	98	886	2290	3680	2160	1770
3	2160	628	611	e85	e57	278	94	942	2190	3420	2490	1530
4	2320	529	431	e86	e54	227	95	994	2500	3070	3960	1730
5	2350	375	e310	e87	e51	253	97	980	2500	2790	4390	2120
6	1910	315	e250	e88	e50	231	104	1090	2560	3530	3560	3780
7	1590	279	e210	e88	e53	188	110	1250	2720	2960	3280	4470
8	1230	250	e180	e89	e57	223	107	1450	2640	2810	3510	3640
9	1030	247	e185	e82	e62	332	113	1800	2950	3300	3680	2250
10	1210	233	e190	e77	e70	445	124	2160	2870	3520	3870	1950
11	1030	219	e210	e72	e64	397	127	2370	2590	3430	4340	1830
12	811	211	242	e68	e59	351	144	2610	2650	3160	4730	1880
13	2120	220	214	e65	e55	391	174	2360	2570	3090	5060	2500
14	1510	226	194	e62	e52	325	170	2490	2790	2890	4850	1840
15	1170	234	188	e59	e50	264	161	2660	2620	2780	4030	1460
16	820	250	368	e56	e51	218	151	2380	2680	2870	3600	1510
17	621	238	691	e54	e52	185	147	2130	3330	3870	3280	2260
18	496	225	659	e52	e53	e156	147	1950	4160	3810	4080	2670
19	420	224	543	e50	e54	e135	186	2160	4060	3040	4040	3810
20	396	348	403	e50	e55	e120	326	2470	3870	2710	2940	2540
21	369	423	325	e52	e57	e110	571	2500	3110	2530	2830	1610
22	341	328	288	e56	e60	e107	631	2200	2380	2620	3540	1300
23	300	282	987	e60	e63	e103	621	2080	2230	2720	2670	1650
24	300	259	1330	e58	e69	e100	1220	2150	2390	2820	3140	3150
25	283	253	776	e57	e75	108	1920	2090	2960	2600	6140	2570
26	267	243	e560	e56	80	107	2110	2040	3390	2600	3930	1590
27	293	225	e480	e55	85	110	2300	2520	3510	3010	2690	1190
28	349	282	e290	e54	127	110	2150	2420	3610	3340	2520	1580
29	495	318	e220	e61	---	105	1660	2350	3330	3160	2240	2210
30	419	288	e170	e70	---	100	1250	2590	3350	2900	3230	2040
31	353	---	e125	e66	---	104	---	2550	---	2640	3180	---
TOTAL	31603	8765	12570	2109	1736	6313	17212	61599	87210	95330	110270	66620
MEAN	1019	292	405	68.0	62.0	204	574	1987	2907	3075	3557	2221
MAX	2350	628	1330	102	127	445	2300	2660	4160	3870	6140	4470
MIN	267	211	125	50	50	100	94	886	2190	2530	2160	1190
AC-FT	62680	17390	24930	4180	3440	12520	34140	122200	173000	189100	218700	132100
CFSM	5.70	1.63	2.27	0.38	0.35	1.14	3.21	11.1	16.2	17.2	19.9	12.4
IN.	6.57	1.82	2.61	0.44	0.36	1.31	3.58	12.80	18.12	19.81	22.92	13.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)#

	MEAN	375	174	83.4	102	89.8	190	948	2331	3521	3482	2031
MAX	1535	805	405	112	191	204	574	1987	4079	4558	4776	3131
(WY)	1975	1970	2005	1970	1977	2005	2005	2005	2004	1971	1977	1975
MIN	444	91.5	54.2	33.3	49.4	27.7	53.5	452	1625	2592	2718	1215
(WY)	1974	1974	1973	1973	1974	1974	1972	1971	1974	1970	1970	1973

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1970 - 2005#

ANNUAL TOTAL	532161	501337	
ANNUAL MEAN	1454	1374	1189
HIGHEST ANNUAL MEAN			1424
LOWEST ANNUAL MEAN			880
HIGHEST DAILY MEAN	6960	6140	9620
LOWEST DAILY MEAN	65	a50	b16
ANNUAL SEVEN-DAY MINIMUM	70	52	17
MAXIMUM PEAK FLOW		7690	11500
MAXIMUM PEAK STAGE		17.32	18.43
ANNUAL RUNOFF (AC-FT)	1056000	994400	861100
ANNUAL RUNOFF (CFSM)	8.12	7.67	6.64
ANNUAL RUNOFF (INCHES)	110.59	104.19	90.22
10 PERCENT EXCEEDS	3900	3340	3390
50 PERCENT EXCEEDS	535	628	368
90 PERCENT EXCEEDS	103	63	60

See Period of Record; break in record

a Jan. 19 and 20; Feb. 6 and 15

b Mar. 30 and 31

e Estimated