

# SOUTH-CENTRAL ALASKA

## 15272380 TWENTYMILE RIVER BELOW GLACIER RIVER NEAR PORTAGE

LOCATION.--Lat 60°53'53", long 148°55'19", in NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> sec. 4, T. 9 N., R. 3 E. (Seward D-6 quad), Hydrologic Unit 19020401, on right bank, 0.1 miles downstream from Glacier River, 4.0 miles upstream from mouth at Seward Highway, and 6.0 miles northeast of Portage.

DRAINAGE AREA.--141 mi<sup>2</sup>.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 2001 to current year.

REVISED RECORDS.--WDR AK-02-1: 2001.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 50 ft above sea level, from topographic map.

REMARKS.--Records good except for October 1 to April 20, which are poor. Rain gage at station. GOES satellite telemetry at station.

#### WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	364	784	e250	e250	184	162	1810	3130	3720	2320	1300
2	2380	342	796	e360	e230	179	170	1590	2690	3450	2570	1100
3	7230	413	688	417	e230	180	162	1440	2410	3080	3860	1190
4	7060	371	588	640	e210	195	146	1370	2420	2910	4170	2500
5	5030	340	583	511	e210	241	165	1320	2650	2970	3430	4330
6	3150	e310	540	431	e350	309	419	1250	2620	3200	3020	5940
7	2460	e290	402	432	465	360	546	1260	2740	3200	2920	4840
8	1720	330	384	354	498	656	442	1350	2930	3220	2900	2990
9	1380	311	323	e310	508	797	453	1460	4700	3330	2950	2860
10	1320	693	313	e290	527	1270	437	1620	6990	3460	2950	4080
11	1170	903	296	e270	466	1330	370	1660	5180	3430	3030	2900
12	1650	780	297	e300	426	1010	311	2530	4090	3630	3280	2900
13	1660	805	356	e330	402	918	280	4840	3500	4050	3160	2390
14	1640	730	422	e300	450	766	271	7200	3400	3960	2840	1930
15	1310	674	342	e280	626	660	273	5310	3560	3470	2530	1750
16	985	674	478	e260	494	532	273	3900	3830	3870	2520	3120
17	793	678	579	e230	437	446	273	3010	4210	4660	2460	5760
18	728	727	1200	e200	393	386	332	2570	4830	3790	2950	4230
19	678	830	1690	e190	352	357	356	2430	4840	3590	2830	2610
20	607	866	1230	e250	262	331	367	2440	3700	3330	2550	1890
21	600	740	881	616	288	300	425	2410	3200	3210	2520	1470
22	594	719	1020	1120	279	299	849	2420	3120	2820	1960	1460
23	482	787	938	1830	274	262	904	2470	2720	2640	3680	2130
24	495	761	723	735	252	216	997	2540	2720	2680	4630	3320
25	412	746	706	585	277	202	1060	2580	2830	4240	3010	2260
26	386	611	689	486	273	205	1200	2820	2900	6630	2160	1590
27	445	562	473	e410	232	204	1380	4650	2990	4610	1790	2340
28	461	860	463	e360	199	190	1500	6110	3110	3500	1530	3730
29	584	728	e380	e310	---	181	1720	5810	3260	2660	1460	3000
30	436	674	e320	286	---	175	1860	4530	3400	2230	1390	1870
31	400	---	e270	252	---	163	---	3800	---	2730	1350	---
TOTAL	50326	18619	19154	13595	9860	13504	18103	90500	104670	108270	84720	83780
MEAN	1623	621	618	439	352	436	603	2919	3489	3493	2733	2793
MAX	7230	903	1690	1830	626	1330	1860	7200	6990	6630	4630	5940
MIN	386	290	270	190	199	163	146	1250	2410	2230	1350	1100
MED	985	685	540	330	319	300	395	2470	3160	3430	2840	2560
AC-FT	99820	36930	37990	26970	19560	26790	35910	179500	207600	214800	168000	166200
CFSM	11.5	4.40	4.38	3.11	2.50	3.09	4.28	20.7	24.7	24.8	19.4	19.8
IN.	13.28	4.91	5.05	3.59	2.60	3.56	4.78	23.88	27.62	28.56	22.35	22.10

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)#

	2001	2002	2003	2004	2005
MEAN	2151	925	620	440	418
MAX	2883	2496	906	735	932
(WY)	2003	2003	2003	2002	2003
MIN	1235	140	195	153	127
(WY)	2002	2004	2004	2004	2002

#### SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2001 - 2005#
ANNUAL TOTAL	557746	615101	
ANNUAL MEAN	1524	1685	1595
HIGHEST ANNUAL MEAN			1880
LOWEST ANNUAL MEAN			1263
HIGHEST DAILY MEAN	9490	7230	12900
LOWEST DAILY MEAN	a36	Mar 27	a36
ANNUAL SEVEN-DAY MINIMUM	37	Mar 25	37
MAXIMUM PEAK FLOW		8680	14400
MAXIMUM PEAK STAGE		22.79	25.88
ANNUAL RUNOFF (AC-FT)	1106000	1220000	1156000
ANNUAL RUNOFF (CFSM)	10.8	12.0	11.3
ANNUAL RUNOFF (INCHES)	147.15	162.28	153.73
10 PERCENT EXCEEDS	3750	3790	3710
50 PERCENT EXCEEDS	786	1010	891
90 PERCENT EXCEEDS	110	270	136

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

a Mar. 27-30, 2004

e Estimated