

ARCTIC SLOPE ALASKA

15904800 ATIGUN RIVER NEAR PUMP STATION 4

LOCATION.--Lat 68°12'54", long 149°24'13", in SW¹/₄, sec. 20, T. 14 S., R. 12 E. (Phillip Smith Mt. A-5 quad), North Slope Borough, Hydrologic Unit 19060402, on left bank, upstream of bridge at mi 254.6 on Dalton Highway, and 15 mi south of Pump Station 4.

DRAINAGE AREA.--48.7 mi².

PERIOD OF RECORD.--October 1991 to September 1995, October 2000 to current year.

GAGE.--Water-stage recorder. Elevation is 3,150 ft above sea level, from topographic map.

REMARKS.--Records poor. Precipitation gage and air temperature recorder at station, daily values of precipitation and air temperature are available from the computer files of the Alaska Science Center, Water Resources Office. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e16	e3.6	e0.3	e0.00	e0.00	e0.00	e0.00	e0.00	e8.0	147	91	34
2	e16	e3.4	e0.3	e0.00	e0.00	e0.00	e0.00	e0.00	e15	124	94	33
3	e15	e3.2	e0.3	e0.00	e0.00	e0.00	e0.00	e0.00	e30	118	101	34
4	e15	e3.0	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	e60	124	100	34
5	e14	e2.8	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	e140	109	94	34
6	e14	e2.6	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	e300	83	82	34
7	e13	e2.4	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	e330	72	74	34
8	e12	e2.3	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	e320	64	73	33
9	e12	e2.1	e0.1	e0.00	e0.00	e0.00	e0.00	e0.00	e300	58	74	33
10	e11	e1.9	e0.1	e0.00	e0.00	e0.00	e0.00	e0.00	e270	59	94	33
11	e11	e1.8	e0.1	e0.00	e0.00	e0.00	e0.00	e0.00	e230	94	113	33
12	e10	e1.7	e0.1	e0.00	e0.00	e0.00	e0.00	e0.00	e200	143	114	32
13	e10	e1.5	e0.1	e0.00	e0.00	e0.00	e0.00	e0.00	198	131	132	30
14	e9.6	e1.4	e0.1	e0.00	e0.00	e0.00	e0.00	e0.00	206	129	180	29
15	e9.2	e1.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	170	139	156	29
16	e8.8	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	192	134	113	28
17	e8.4	e1.1	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	272	148	89	27
18	e8.0	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	257	152	74	26
19	e7.6	e0.9	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	215	130	64	25
20	e7.2	e0.9	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	205	135	56	24
21	e6.8	e0.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	216	133	51	23
22	e6.4	e0.7	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	213	110	46	22
23	e6.2	e0.7	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	227	117	44	21
24	e5.8	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	188	142	40	21
25	e5.6	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.1	194	132	39	20
26	e5.2	e0.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.2	169	115	37	19
27	e4.9	e0.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.3	138	113	36	19
28	e4.6	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.8	112	110	35	18
29	e4.3	e0.4	e0.00	e0.00	---	e0.00	e0.00	e1.5	128	112	34	18
30	e4.1	e0.4	e0.00	e0.00	---	e0.00	e0.00	e3.0	153	109	34	18
31	e3.9	---	e0.00	e0.00	---	e0.00	---	e5.0	---	98	34	---
TOTAL	285.6	45.7	2.50	0.00	0.00	0.00	0.00	10.90	5656.0	3584	2398	818
MEAN	9.21	1.52	0.08	0.00	0.00	0.00	0.00	0.35	189	116	77.4	27.3
MAX	16	3.6	0.3	0.00	0.00	0.00	0.00	5.0	330	152	180	34
MIN	3.9	0.4	0.00	0.00	0.00	0.00	0.00	0.00	8.0	58	34	18
AC-FT	566	91	5.0	0.00	0.00	0.00	0.00	22	11220	7110	4760	1620
CFSM	0.19	0.03	0.00	0.00	0.00	0.00	0.00	0.01	3.87	2.37	1.59	0.56
IN.	0.22	0.03	0.00	0.00	0.00	0.00	0.00	0.01	4.32	2.74	1.83	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)#

MEAN	11.0	2.85	0.28	0.00	0.00	0.00	0.00	17.1	248	191	158	55.8
MAX	19.6	4.27	0.84	0.00	0.00	0.00	0.00	26.3	275	339	204	96.0
(WY)	1994	1993	1993	1992	1992	1992	1992	1993	1992	1994	1994	1993
MIN	6.42	1.52	0.06	0.00	0.00	0.00	0.00	0.35	189	116	77.4	27.3
(WY)	1993	2001	1995	1992	1992	1992	1992	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2001 WATER YEAR

WATER YEARS 1992 - 2001#

ANNUAL TOTAL	12800.70	
ANNUAL MEAN	35.1	57.2
HIGHEST ANNUAL MEAN		76.4
LOWEST ANNUAL MEAN		35.1
HIGHEST DAILY MEAN	330	1100
LOWEST DAILY MEAN	a0.00	b0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00
MAXIMUM PEAK FLOW	365	1500
MAXIMUM PEAK STAGE	23.82	c17.80
ANNUAL RUNOFF (AC-FT)	25390	41420
ANNUAL RUNOFF (CFSM)	0.720	1.17
ANNUAL RUNOFF (INCHES)	9.78	15.95
10 PERCENT EXCEEDS	132	196
50 PERCENT EXCEEDS	0.50	2.1
90 PERCENT EXCEEDS	0.00	0.00

See Period of Record; break in record
a From Dec. 15 to May 24
b No flow during winter months
c At datum then in use
e Estimated

ARCTIC SLOPE ALASKA

15904800 ATIGUN RIVER NEAR PUMP STATION 4—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	e6.0	e1.6	e0.00	e0.00	e0.00	e0.00	e0.00	48	146	75	95
2	17	e5.8	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	53	157	77	91
3	16	e5.8	e1.4	e0.00	e0.00	e0.00	e0.00	e0.00	58	148	84	88
4	16	e5.6	e1.3	e0.00	e0.00	e0.00	e0.00	e0.00	67	131	90	86
5	16	e5.4	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	77	120	96	94
6	16	e5.2	e1.1	e0.00	e0.00	e0.00	e0.00	e0.00	95	113	90	195
7	15	e5.0	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	116	129	86	172
8	e14	e4.8	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	127	160	83	143
9	e14	e4.6	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	142	144	84	126
10	e13	e4.4	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	142	132	82	108
11	e12	e4.4	e0.70	e0.00	e0.00	e0.00	e0.00	e0.00	134	127	86	92
12	e12	e4.2	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	115	139	94	81
13	e12	e4.2	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	119	151	107	77
14	e11	e4.0	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	126	148	106	76
15	e11	e3.8	e0.40	e0.00	e0.00	e0.00	e0.00	e0.00	123	140	121	74
16	e10	e3.8	e0.40	e0.00	e0.00	e0.00	e0.00	e0.50	129	137	146	72
17	e10	e3.6	e0.30	e0.00	e0.00	e0.00	e0.00	e1.0	139	134	133	69
18	e9.6	e3.5	e0.30	e0.00	e0.00	e0.00	e0.00	e2.0	121	130	121	68
19	e9.2	e3.3	e0.30	e0.00	e0.00	e0.00	e0.00	e4.0	126	131	112	67
20	e8.8	e3.2	e0.20	e0.00	e0.00	e0.00	e0.00	e7.0	125	134	103	64
21	e8.6	e3.0	e0.20	e0.00	e0.00	e0.00	e0.00	e11	114	131	95	62
22	e8.2	e2.9	e0.20	e0.00	e0.00	e0.00	e0.00	e15	111	128	88	60
23	e8.0	e2.8	e0.20	e0.00	e0.00	e0.00	e0.00	e22	147	122	84	59
24	e7.8	e2.6	e0.10	e0.00	e0.00	e0.00	e0.00	e28	156	116	80	57
25	e7.6	e2.5	e0.10	e0.00	e0.00	e0.00	e0.00	e32	155	115	79	57
26	e7.2	e2.3	e0.10	e0.00	e0.00	e0.00	e0.00	e33	177	112	81	56
27	e7.0	e2.2	e0.00	e0.00	e0.00	e0.00	e0.00	e30	183	101	89	58
28	e6.8	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e26	166	90	96	57
29	e6.6	e1.9	e0.00	e0.00	---	e0.00	e0.00	e28	143	84	104	56
30	e6.4	e1.7	e0.00	e0.00	---	e0.00	e0.00	e38	148	78	104	55
31	e6.2	---	e0.00	e0.00	---	e0.00	---	47	---	76	100	---
TOTAL	340.0	114.5	16.90	0.00	0.00	0.00	0.00	324.50	3682	3904	2976	2515
MEAN	11.0	3.82	0.55	0.00	0.00	0.00	0.00	10.5	123	126	96.0	83.8
MAX	17	6.0	1.6	0.00	0.00	0.00	0.00	47	183	160	146	195
MIN	6.2	1.7	0.00	0.00	0.00	0.00	0.00	0.00	48	76	75	55
AC-FT	674	227	34	0.00	0.00	0.00	0.00	644	7300	7740	5900	4990
CFSM	0.23	0.08	0.01	0.00	0.00	0.00	0.00	0.21	2.52	2.59	1.97	1.72
IN.	0.26	0.09	0.01	0.00	0.00	0.00	0.00	0.25	2.81	2.98	2.27	1.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)#

MEAN	11.0	3.01	0.32	0.00	0.00	0.00	0.00	15.8	223	178	145	61.4
MAX	19.6	4.27	0.84	0.00	0.00	0.00	0.00	26.3	275	339	204	96.0
(WY)	1994	1993	1993	1992	1992	1992	1992	1993	1992	1994	1994	1993
MIN	6.42	1.52	0.06	0.00	0.00	0.00	0.00	0.35	123	116	77.4	27.3
(WY)	1993	2001	1995	1992	1992	1992	1992	2001	2002	2001	2001	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1992 - 2002#

ANNUAL TOTAL	12938.30	13872.90	
ANNUAL MEAN	35.4	38.0	53.3
HIGHEST ANNUAL MEAN			76.4
LOWEST ANNUAL MEAN			35.1
HIGHEST DAILY MEAN	330 Jun 7	195 Sep 6	1100 Aug 27 1994
LOWEST DAILY MEAN	a0.00 Jan 1	b0.00 Dec 27	c0.00 Dec 6 1991
ANNUAL SEVEN-DAY MINIMUM	0.00 Jan 1	0.00 Dec 27	0.00 Dec 6 1991
MAXIMUM PEAK FLOW		216 Sep 6	1500 Aug 27 1994
MAXIMUM PEAK STAGE		24.39 Sep 6	d17.80 Aug 27 1994
MAXIMUM PEAK STAGE		f25.77 May 24	
ANNUAL RUNOFF (AC-FT)	25660	27520	38640
ANNUAL RUNOFF (CFSM)	0.728	0.780	1.10
ANNUAL RUNOFF (INCHES)	9.88	10.60	14.88
10 PERCENT EXCEEDS	132	128	165
50 PERCENT EXCEEDS	2.0	3.6	3.0
90 PERCENT EXCEEDS	0.00	0.00	0.00

See Period of Record; break in record
a From Jan. 1 to May 24 and Dec. 27 to 31
b From Dec. 27 to May 15
c No flow during winter months
d At datum then in use
e Estimated
f Backwater from snow and ice

ARCTIC SLOPE ALASKA

15904800 ATIGUN RIVER NEAR PUMP STATION 4—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	e11	e2.5	e0.00	e0.00	e0.00	e0.00	e0.00	e70	278	182	105
2	55	e10	e2.4	e0.00	e0.00	e0.00	e0.00	e0.00	e80	311	182	106
3	54	e10	e2.3	e0.00	e0.00	e0.00	e0.00	e0.00	e90	340	179	127
4	53	e9.0	e2.2	e0.00	e0.00	e0.00	e0.00	e0.00	e110	235	171	122
5	e52	e8.6	e2.1	e0.00	e0.00	e0.00	e0.00	e0.00	e240	217	170	109
6	e50	e8.2	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e310	217	166	87
7	e48	e7.6	e1.9	e0.00	e0.00	e0.00	e0.00	e0.00	e380	214	159	78
8	e48	e7.2	e1.8	e0.00	e0.00	e0.00	e0.00	e0.00	402	203	154	71
9	e46	e7.0	e1.7	e0.00	e0.00	e0.00	e0.00	e0.00	417	204	149	64
10	e44	e6.6	e1.6	e0.00	e0.00	e0.00	e0.00	e0.00	468	208	163	59
11	e42	e6.2	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	418	209	194	55
12	e42	e6.0	e1.4	e0.00	e0.00	e0.00	e0.00	e0.00	399	204	222	52
13	e40	e5.6	e1.3	e0.00	e0.00	e0.00	e0.00	e0.00	356	196	252	46
14	e38	e5.4	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	318	199	241	41
15	e36	e5.2	e1.1	e0.00	e0.00	e0.00	e0.00	e0.00	311	196	214	39
16	e34	e5.0	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	345	193	208	38
17	e32	e4.6	e0.9	e0.00	e0.00	e0.00	e0.00	e0.00	346	193	267	35
18	e30	e4.4	e0.8	e0.00	e0.00	e0.00	e0.00	e0.00	328	190	219	34
19	e28	e4.2	e0.7	e0.00	e0.00	e0.00	e0.00	e0.00	314	207	196	32
20	e26	e4.0	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	299	217	179	29
21	e24	e3.8	e0.5	e0.00	e0.00	e0.00	e0.00	e0.00	297	216	166	28
22	e22	e3.7	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	293	215	159	28
23	e22	e3.5	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	291	202	e150	26
24	e20	e3.3	e0.3	e0.00	e0.00	e0.00	e0.00	e0.00	292	210	e140	e24
25	e18	e3.2	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	272	282	e130	e23
26	e17	e3.1	e0.2	e0.00	e0.00	e0.00	e0.00	e0.1	264	283	e130	e22
27	e16	e3.0	e0.1	e0.00	e0.00	e0.00	e0.00	e0.6	265	248	e120	e21
28	e15	e2.8	e0.1	e0.00	e0.00	e0.00	e0.00	e1.5	261	214	120	e21
29	e14	e2.7	e0.00	e0.00	---	e0.00	e0.00	e4.0	267	200	124	22
30	e13	e2.6	e0.00	e0.00	---	e0.00	e0.00	e10	301	190	120	24
31	e12	---	e0.00	e0.00	---	e0.00	---	e30	---	184	118	---
TOTAL	1046	167.5	33.20	0.00	0.00	0.00	0.00	46.20	8804	6875	5344	1568
MEAN	33.7	5.58	1.07	0.00	0.00	0.00	0.00	1.49	293	222	172	52.3
MAX	55	11	2.5	0.00	0.00	0.00	0.00	30	468	340	267	127
MIN	12	2.6	0.00	0.00	0.00	0.00	0.00	0.00	70	184	118	21
AC-FT	2070	332	66	0.00	0.00	0.00	0.00	92	17460	13640	10600	3110
CFSM	0.69	0.11	0.02	0.00	0.00	0.00	0.00	0.03	6.03	4.55	3.54	1.07
IN.	0.80	0.13	0.03	0.00	0.00	0.00	0.00	0.04	6.73	5.25	4.08	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)#

MEAN	14.2	3.38	0.43	0.00	0.00	0.00	0.00	13.4	235	185	150	59.9
MAX	33.7	5.58	1.07	0.00	0.00	0.00	0.00	26.3	293	339	204	96.0
(WY)	2003	2003	2003	1992	1992	1992	1992	1993	2003	1994	1994	1993
MIN	6.42	1.52	0.06	0.00	0.00	0.00	0.00	0.35	123	116	77.4	27.3
(WY)	1993	2001	1995	1992	1992	1992	1992	2001	2002	2001	2001	2001

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1992 - 2003#

ANNUAL TOTAL	14648.20	23883.90	
ANNUAL MEAN	40.1	65.4	55.4
HIGHEST ANNUAL MEAN			76.4
LOWEST ANNUAL MEAN			35.1
HIGHEST DAILY MEAN	195	468	1100
LOWEST DAILY MEAN	a0.00	b0.00	c0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		493	1500
MAXIMUM PEAK STAGE		24.95	d17.80
MAXIMUM PEAK STAGE		f27.27	
ANNUAL RUNOFF (AC-FT)	29050	47370	40100
ANNUAL RUNOFF (CFSM)	0.824	1.34	1.14
ANNUAL RUNOFF (INCHES)	11.19	18.24	15.44
10 PERCENT EXCEEDS	128	227	188
50 PERCENT EXCEEDS	4.4	3.0	3.0
90 PERCENT EXCEEDS	0.00	0.00	0.00

See Period of Record; break in record
a From Jan. 1 to May 15 and Dec. 29 to 31
b From Dec. 29 to May 25
c No flow during winter months
d At datum then in use
e Estimated
f Backwater from snow and ice

ARCTIC SLOPE ALASKA

15904800 ATIGUN RIVER NEAR PUMP STATION 4—Continued

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	30	e7.2	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	299	120	177	40
2	90	e7.0	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	259	120	144	39
3	128	e6.8	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	241	120	118	36
4	100	e6.4	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	230	119	99	34
5	78	e6.2	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	246	118	84	31
6	69	e5.8	e0.70	e0.00	e0.00	e0.00	e0.00	e0.00	216	129	73	29
7	65	e5.4	e0.70	e0.00	e0.00	e0.00	e0.00	e0.00	194	132	66	27
8	56	e5.0	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	181	141	61	25
9	46	e4.6	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	169	142	57	24
10	42	e4.4	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	162	157	55	23
11	40	e4.0	e0.50	e0.00	e0.00	e0.00	e0.00	e0.20	170	164	53	22
12	36	e3.8	e0.50	e0.00	e0.00	e0.00	e0.00	e0.40	157	156	52	20
13	31	e3.4	e0.50	e0.00	e0.00	e0.00	e0.00	e0.8	152	145	90	19
14	e26	e3.0	e0.40	e0.00	e0.00	e0.00	e0.00	e2.0	155	132	183	18
15	e24	e2.8	e0.40	e0.00	e0.00	e0.00	e0.00	e5.0	159	124	154	17
16	e22	e2.6	e0.40	e0.00	e0.00	e0.00	e0.00	e9.0	157	118	127	16
17	e20	e2.4	e0.30	e0.00	e0.00	e0.00	e0.00	e12	160	117	108	15
18	e18	e2.2	e0.30	e0.00	e0.00	e0.00	e0.00	e14	148	148	94	14
19	e17	e2.0	e0.30	e0.00	e0.00	e0.00	e0.00	e16	139	144	83	14
20	e15	e2.0	e0.20	e0.00	e0.00	e0.00	e0.00	e18	140	144	75	13
21	e14	e1.8	e0.20	e0.00	e0.00	e0.00	e0.00	e20	143	155	70	14
22	e13	e1.8	e0.20	e0.00	e0.00	e0.00	e0.00	e30	139	163	67	14
23	e12	e1.6	e0.20	e0.00	e0.00	e0.00	e0.00	e40	134	159	65	13
24	e11	e1.6	e0.10	e0.00	e0.00	e0.00	e0.00	e50	130	150	61	11
25	e10	e1.4	e0.10	e0.00	e0.00	e0.00	e0.00	e55	128	142	60	11
26	e9.4	e1.4	e0.10	e0.00	e0.00	e0.00	e0.00	e60	123	132	56	10
27	e9.0	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e65	116	126	53	9.0
28	e8.6	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e70	112	122	50	e9.0
29	e8.2	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e80	114	117	48	e8.0
30	e7.8	e1.0	e0.00	e0.00	---	e0.00	e0.00	e120	117	115	45	e8.0
31	e7.6	---	e0.00	e0.00	---	e0.00	---	210	---	143	42	---
TOTAL	1063.6	101.0	12.10	0.00	0.00	0.00	0.00	877.40	4990	4214	2570	583.0
MEAN	34.3	3.37	0.39	0.00	0.00	0.00	0.00	28.3	166	136	82.9	19.4
MAX	128	7.2	0.9	0.00	0.00	0.00	0.00	210	299	164	183	40
MIN	7.6	1.0	0.00	0.00	0.00	0.00	0.00	0.00	112	115	42	8.0
AC-FT	2110	200	24	0.00	0.00	0.00	0.00	1740	9900	8360	5100	1160
CFSM	0.70	0.07	0.01	0.00	0.00	0.00	0.00	0.58	3.42	2.79	1.70	0.40
IN.	0.81	0.08	0.01	0.00	0.00	0.00	0.00	0.67	3.81	3.22	1.96	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)#

MEAN	16.7	3.38	0.43	0.00	0.00	0.00	0.00	15.5	225	178	140	54.1
MAX	34.3	5.58	1.07	0.00	0.00	0.00	0.00	28.3	293	339	204	96.0
(WY)	2004	2003	2003	1992	1992	1992	1992	2004	2003	1994	1994	1993
MIN	6.42	1.52	0.06	0.00	0.00	0.00	0.00	0.35	123	116	77.4	19.4
(WY)	1993	2001	1995	1992	1992	1992	1992	2001	2002	2001	2001	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004#
ANNUAL TOTAL	23813.90	14411.10	
ANNUAL MEAN	65.2	39.4	53.1
HIGHEST ANNUAL MEAN			76.4
LOWEST ANNUAL MEAN			35.1
HIGHEST DAILY MEAN	468 Jun 10	299 Jun 1	1100 Aug 27 1994
LOWEST DAILY MEAN	a0.00 Jan 1	b0.00 Dec 27	c0.00 Dec 6 1991
ANNUAL SEVEN-DAY MINIMUM	0.00 Jan 1	0.00 Dec 27	0.00 Dec 6 1991
MAXIMUM PEAK FLOW		382 Jun 4	1500 Aug 27 1994
MAXIMUM PEAK STAGE		24.32 Jun 4	d17.80 Aug 27 1994
ANNUAL RUNOFF (AC-FT)	47230	28580	38440
ANNUAL RUNOFF (CFSM)	1.34	0.809	1.09
ANNUAL RUNOFF (INCHES)	18.19	11.01	14.81
10 PERCENT EXCEEDS	227	142	171
50 PERCENT EXCEEDS	1.4	3.2	3.0
90 PERCENT EXCEEDS	0.00	0.00	0.00

See Period of Record; break in record
a From Jan. 1 to May 25 and Dec. 27 to 31
b From Dec. 27 to May 10
c No flow during winter months
d At datum then in use
e Estimated

ARCTIC SLOPE ALASKA

15904800 ATIGUN RIVER NEAR PUMP STATION 4—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	e8.6	e4.1	e1.5	e0.1	e0.0	e0.0	e0.0	e0.0	177	169	61	39
2	e9.0	e3.8	e1.4	e0.0	e0.0	e0.0	e0.0	e0.0	135	154	59	36
3	e9.6	e3.6	e1.4	e0.0	e0.0	e0.0	e0.0	e0.0	108	144	58	34
4	e10	e3.4	e1.3	e0.0	e0.0	e0.0	e0.0	e0.0	109	133	57	34
5	e9.8	e3.2	e1.3	e0.0	e0.0	e0.0	e0.0	e0.0	116	129	59	31
6	e9.6	e3.1	e1.2	e0.0	e0.0	e0.0	e0.0	e0.2	128	129	56	28
7	e9.2	e3.0	e1.1	e0.0	e0.0	e0.0	e0.0	e0.3	141	124	55	25
8	e9.0	e2.9	e1.1	e0.0	e0.0	e0.0	e0.0	e0.5	155	121	54	24
9	e8.8	e2.8	e1.0	e0.0	e0.0	e0.0	e0.0	e1.0	176	121	53	23
10	e8.6	e2.7	e0.9	e0.0	e0.0	e0.0	e0.0	e2.0	188	144	52	22
11	e8.4	e2.7	e0.9	e0.0	e0.0	e0.0	e0.0	e4.0	177	206	53	21
12	e8.2	e2.6	e0.8	e0.0	e0.0	e0.0	e0.0	e7.0	179	207	52	21
13	e8.0	e2.5	e0.8	e0.0	e0.0	e0.0	e0.0	e10	199	203	50	20
14	e7.8	e2.5	e0.7	e0.0	e0.0	e0.0	e0.0	e15	219	190	50	19
15	e7.6	e2.4	e0.7	e0.0	e0.0	e0.0	e0.0	e25	214	164	51	20
16	e7.4	e2.4	e0.6	e0.0	e0.0	e0.0	e0.0	e35	205	157	51	21
17	e7.2	e2.3	e0.6	e0.0	e0.0	e0.0	e0.0	e45	193	137	e49	21
18	e7.0	e2.2	e0.6	e0.0	e0.0	e0.0	e0.0	e65	172	144	e48	19
19	e6.9	e2.2	e0.5	e0.0	e0.0	e0.0	e0.0	e85	157	161	47	19
20	e6.7	e2.1	e0.5	e0.0	e0.0	e0.0	e0.0	e95	148	144	47	19
21	e6.6	e2.1	e0.4	e0.0	e0.0	e0.0	e0.0	115	143	126	47	19
22	e6.5	e2.0	e0.4	e0.0	e0.0	e0.0	e0.0	124	138	103	46	18
23	e6.4	e1.9	e0.4	e0.0	e0.0	e0.0	e0.0	115	133	94	46	18
24	e6.2	e1.9	e0.3	e0.0	e0.0	e0.0	e0.0	117	128	86	46	17
25	e6.0	e1.8	e0.3	e0.0	e0.0	e0.0	e0.0	121	126	81	48	17
26	e5.7	e1.8	e0.3	e0.0	e0.0	e0.0	e0.0	137	130	77	e47	16
27	e5.5	e1.7	e0.2	e0.0	e0.0	e0.0	e0.0	154	131	74	47	16
28	e5.2	e1.6	e0.2	e0.0	e0.0	e0.0	e0.0	183	135	69	46	15
29	e4.9	e1.6	e0.2	e0.0	---	e0.0	e0.0	226	140	67	46	14
30	e4.6	e1.5	e0.1	e0.0	---	e0.0	e0.0	247	147	65	46	14
31	e4.3	---	e0.1	e0.0	---	e0.0	---	217	---	63	45	---
TOTAL	229.3	74.4	21.8	0.1	0.0	0.0	0.0	2146.0	4647	3986	1572	660
MEAN	7.40	2.48	0.70	0.00	0.00	0.00	0.00	69.2	155	129	50.7	22.0
MAX	10	4.1	1.5	0.1	0.00	0.00	0.00	247	219	207	61	39
MIN	4.3	1.5	0.1	0.00	0.00	0.00	0.00	0.00	108	63	45	14
AC-FT	455	148	43	0.2	0.00	0.00	0.00	4260	9220	7910	3120	1310
CFSM	0.15	0.05	0.01	0.00	0.00	0.00	0.00	1.42	3.18	2.64	1.04	0.45
IN.	0.18	0.06	0.02	0.00	0.00	0.00	0.00	1.64	3.55	3.04	1.20	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)#

MEAN	15.7	3.28	0.46	0.00	0.00	0.00	0.00	22.2	216	172	129	50.1
MAX	34.3	5.58	1.07	0.00	0.00	0.00	0.00	69.2	293	339	204	96.0
(WY)	2004	2003	2003	2005	1992	1992	1992	2005	2003	1994	1994	1993
MIN	6.42	1.52	0.06	0.00	0.00	0.00	0.00	0.35	123	116	50.7	19.4
(WY)	1993	2001	1995	1992	1992	1992	1992	2001	2002	2001	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1992 - 2005#			
ANNUAL TOTAL	13559.90				13336.6				51.0			
ANNUAL MEAN	37.0				36.5				76.4			
HIGHEST ANNUAL MEAN									35.1			
LOWEST ANNUAL MEAN									1100			
HIGHEST DAILY MEAN	299				247				Aug 27 1994			
LOWEST DAILY MEAN	a0.00				b0.00				c0.00			
ANNUAL SEVEN-DAY MINIMUM	0.00				0.00				0.00			
MAXIMUM PEAK FLOW					289				1500			
MAXIMUM PEAK STAGE					23.74				d17.80			
ANNUAL RUNOFF (AC-FT)	26900				26450				36950			
ANNUAL RUNOFF (CFSM)	0.761				0.750				1.05			
ANNUAL RUNOFF (INCHES)	10.36				10.19				14.23			
10 PERCENT EXCEEDS	142				139				164			
50 PERCENT EXCEEDS	2.5				2.8				3.0			
90 PERCENT EXCEEDS	0.00				0.00				0.00			

See Period of Record; break in record
a From Jan. 1 to May 10
b From Dec. 2 to May 5
c No flow during winter months
d At datum then in use
e Estimated