## 15297610 RUSSELL CREEK NEAR COLD BAY

LOCATION.--Lat 55°10'40", long 162°41'15", (Cold Bay A-3 quad), Aleutians East Borough, Hydrologic Unit 19030101, on left bank, at Russell Creek Fish Hatchery, 2.1 mi upstream from mouth, and 2.6 mi southeast of Cold Bay. Prior to February 27, 1997, at site 0.2 mi downstream.

DRAINAGE AREA.--30.9 mi<sup>2</sup>.

#### WATER-DISCHARGE RECORDS

PERIOD OF RECORD. -- October 1981 to December 1986, October 1995 to current year.

REVISED RECORDS.-- WRD AK-97-1: 1996, Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 7.65 ft above sea level. Prior to February 27, 1997, elevation 3.55 ft above sea level at site 0.2 mi downstream (levels by private engineering firm). REMARKS.--Records good, except for estimated daily discharges, which are poor.

		DISCHA	RGE, CUB	IC FEET PE		WATER Y MEAN	YEAR OCTOBER	R 2000 T	O SEPTEMB	ER 2001		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	e80 e75 e70 e70 e80	436 303 260 374 266	e190 844 537 353 309	238 237 201 191 e190	e140 e130 e130 e120 e130	177 173 158 243 249	150 398 275 175 224	138 131 129 126 125	156 192 196 208 221	382 377 524 484 632	225 245 251 221 210	346 314 297 291 217
6 7 8 9 10	e75 e70 e65 e60 e75	236 258 345 462 349	381 555 666 1070 568	e180 e170 e170 e170 e160	e140 e150 e160 e150 e160	231 193 204 229 259	216 188 173 172 155	116 112 112 111 108	214 207 206 202 211	482 371 345 319 426	192 187 207 262 235	184 160 153 144 149
11 12 13 14 15	e90 e110 e120 e110 e100	274 1050 706 488 737	499 696 536 493 459	e160 e160 e150 e150 e150	e170 e170 e180 e190 197	276 205 191 210 186	e150 e140 e150 156 191	108 127 152 139 138	207 213 224 226 245	401 343 284 414 818	206 223 295 342 388	231 367 211 181 216
16 17 18 19 20	e420 278 216 183 189	557 619 514 391 530	361 303 710 584 467	e150 e150 e150 e160 e160	332 252 189 175 178	163 156 145 155 136	174 150 138 163 246	145 162 162 152 153	250 267 281 294 345	525 352 667 565 406	263 212 204 465 337	204 197 165 189 480
21 22 23 24 25	251 183 167 1230 463	413 339 316 292 269	366 391 356 355 312	e160 e150 e150 e150 e150	221 227 257 277 219	139 125 e120 e120 e120	218 189 196 179 166	149 142 136 128 129	352 617 1060 555 385	314 264 231 219 216	231 278 420 402 306	349 283 307 473 329
26 27 28 29 30 31	376 325 277 276 243 235	250 232 216 202 195	280 312 361 321 267 243	e150 e150 e150 e150 e140 e140	209 183 169 	e110 e110 e110 e100 e110 e130	167 164 158 156 149	132 120 121 136 145 152	327 338 384 463 382	220 325 385 340 289 250	276 252 215 206 228 284	311 247 209 204 218
TOTAL MEAN MAX MIN AC-FT CFSM IN.	6562 212 1230 60 13020 6.85 7.90	11879 396 1050 195 23560 12.8 14.30	14145 456 1070 190 28060 14.8 17.03	5087 164 238 140 10090 5.31 6.12	5205 186 332 120 10320 6.02 6.27	5233 169 276 100 10380 5.46 6.30	5526 184 398 138 10960 5.96 6.65	4136 133 162 108 8200 4.32 4.98	9428 314 1060 156 18700 10.2 11.35	12170 393 818 216 24140 12.7 14.65	8268 267 465 187 16400 8.63 9.95	7626 254 480 144 15130 8.23 9.18
		STATISTIC	CS OF MON	THLY MEAN	DATA FOR	WATER	YEARS 1982 -	2001, E	BY WATER	YEAR (WY)#		
MEAN MAX (WY) MIN (WY)	274 516 1986 172 1997	304 530 1986 168 2000	262 549 1984 86.8 2000	169 318 1982 59.5 2000	153 272 1982 71.2 2000	132 218 1996 75.8 1986	139 261 1998 80.3 1985	209 300 1982 133 2001	337 634 2000 208 1997	347 528 1982 192 1997	317 403 2000 256 1996	369 538 1998 170 2000
SUMMARY	STATIST	ICS	FOR	2000 CALEN	DAR YEAR		FOR 2001 WAT	ER YEAR		WATER YEA	ARS 1982	- 2001#
LOWEST HIGHEST LOWEST ANNUAL MAXIMUM	MEAN ANNUAL ANNUAL M DAILY ME DAILY ME SEVEN-DA PEAK FL	EAN EAN AN Y MINIMUM OW		102190 279 1570 a55 55	Jun 2 Jan 6 Jan 6		95265 261 1230 60 70 3060	Oct 24 Oct 9 Oct 3 Nov 12		251 302 206 4000 b50 51 c6000	Feb Feb Oct	1982 1983 24 1996 19 1982 18 1982 22 1981
INSTANT ANNUAL ANNUAL ANNUAL 10 PERC 50 PERC	PEAK ST ANEOUS L RUNOFF ( RUNOFF ( RUNOFF ( ENT EXCE ENT EXCE ENT EXCE	OW FLOW AC-FT) CFSM) INCHES) EDS EDS		202700 9.04 123.02 560 212 65			28.74 189000 8.45 114.69 464 213 128	Nov 12		d11.76 f49 181800 8.12 110.37 444 202 92		24 1996 13 1983
	Period o	f Record				(	d Site and o		ı in use; f	rom flood ma	ırks	

Jan. 6-15

Feb. 19-23, 1982 h

From rating curve extended above 610 ft<sup>3</sup>/s on basis of estimate by slope-area measurement of 6,000 ft<sup>3</sup>/s and gage height of 11.19 ft

Estimated

Mar. 13-14, 1983

## 15297610 RUSSELL CREEK NEAR COLD BAY--Continued

#### WATER-QUALITY RECORDS

PERIOD OF RECORD. -- Water years 1982-83, 1996 to current year.

PERIOD OF DAILY RECORD.--WATER TEMPERATURE: August 1996 to current year.

INSTRUMENTATION.--Electronic water-temperature recorder set for 1-hour recording interval.

REMARKS.--Records represent water-temperature at the sensor within  $0.5^{\circ}\text{C}$ . Temperature at the sensor was compared with the stream average by cross section on August 28. No variation was found within the cross section. No variation was found between mean stream temperature and sensor temperature.

EXTREMES FOR PERIOD OF RECORD.-- WATER TEMPERATURE: Maximum,  $15.5^{\circ}$ C, August 13-14, 2001; minimum,  $0.0^{\circ}$ C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.-- WATER TEMPERATURE: Maximum, 15.5°C, August 13-14; minimum 0.0°C on many days during winter.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

			SAMPLE LOC- ATION, CROSS		DIS- CHARGE, INST. CUBIC	TEMPER-	TEMPER-
DATE	TIME	STREAM WIDTH (FT) (00004)	SECTION (FT FM L BANK) (00009)	GAGE HEIGHT (FEET) (00065)	FEET PER SECOND (00061)	ATURE WATER (DEG C) (00010)	ATURE AIR (DEG C) (00020)
AUG							
28	1132	75.0	3.00	25.95	210	6.0	11.5
28	1133	75.0	19.0	25.95	210	6.0	11.5
28	1134	75.0	39.0	25.95	210	6.0	11.5
28	1135	75.0	59.0	25.95	210	6.0	11.5
28	1136	75.0	74.0	25.95	210	6.0	11.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		NC	VEMBER		DE	CEMBER			JANUARY	
1 2 3 4 5	8.0 9.5 8.5 8.0 6.5	6.0 6.0 5.0 5.5 4.0	7.0 7.0 7.0 6.5 5.5	4.5 4.0 5.0 5.5	2.5 1.5 3.0 3.5 3.0	4.0 2.5 4.0 4.5 4.0	.5 2.0 1.5 2.0 2.0	.0 .5 1.0 1.5	.0 1.5 1.5 1.5	.5 .5 1.0 1.0	.0 .0 .5 .0	.0 .0 1.0 .5
6 7 8 9 10	4.0 3.5 6.5 4.5	1.0 .5 2.0 2.0 3.0	2.5 1.5 3.5 3.5 3.5	4.0 5.5 6.5 6.0 5.0	3.5 2.5 5.0 5.0 3.0	3.5 4.0 5.5 5.5 4.5	3.0 3.5 4.5 4.0 2.5	1.0 1.0 3.0 2.0 1.0	2.0 2.5 4.0 3.0 1.5	.0 .0 .0 .0	.0 .0 .0 .0	.0.0.0
11 12 13 14 15	6.5 8.0 7.0 5.5 4.5	2.5 1.0 4.5 4.0 3.5	4.0 4.5 5.5 5.0 4.0	4.0 5.0 4.0 4.5 4.5	2.0 2.0 2.0 2.0 3.0	3.0 3.5 3.0 3.0 4.0	3.0 4.0 2.0 2.5 2.0	1.5 2.0 1.0 1.5 1.0	2.5 3.5 1.5 2.0 1.5	.0 .0 .0 .0	.0 .0 .0 .0	.0.0.0
16 17 18 19 20	5.5 4.5 6.0 6.0 5.5	3.5 2.5 2.0 1.5 2.5	4.5 3.5 3.5 3.0 4.0	3.0 2.5 2.5 3.0 2.5	2.0 1.5 1.0 1.5 1.0	2.5 2.0 1.5 2.0 2.0	1.5 1.0 2.0 2.0	.5 .0 .5 .5	1.0 .5 1.5 1.5	.5 1.0 2.0 1.5 2.0	.0 .5 1.0 .5	.5 1.0 1.0 1.0
21 22 23 24 25	4.5 3.5 5.5 5.5	2.5 1.0 1.5 3.5 3.5	4.0 2.0 3.0 4.5 4.5	3.0 3.5 3.0 3.0 2.5	2.0 2.0 2.5 1.5	2.5 2.5 2.5 2.5 2.0	2.0 3.0 3.0 3.0 2.5	1.0 2.0 2.5 2.5 1.0	1.5 2.5 2.5 2.5 2.0	.5 .5 .5 1.0	.0 .0 .0 .0	.0 .0 .0 .5
26 27 28 29 30 31	4.5 5.0 5.5 4.5 5.0 4.5	2.5 3.0 3.5 3.0 2.0	3.5 4.0 4.5 4.0 3.0	2.0 1.5 .0 1.0 1.0	.5 .0 .0 .0	1.0 .5 .0 .5 .5	3.0 3.0 3.0 2.5 2.5	1.5 1.5 2.5 2.0 .5	2.0 2.0 2.5 2.5 1.5	1.5 .5 1.5 .5 .5	.0.0.0.0.0.0	.5 .0 .5 .0
MONTH	9.5	.5	4.2	6.5	.0	2.8	4.5	.0	1.9	2.0	.0	. 2

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		11	BME BRAIORE,	WAILK	(DEG. C)	, WAILK	IBAR OCIO	JDER Z000	IO DEF.	IEMDER 200.	_	
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1 2	.0	.0	.0	1.5 1.0 3.0 2.0 4.0	.0	.5 .5	2.5 2.0	.0	.5 1.5	9.5 3.5	1.0	4.5 1.5
3 4	.0	.0	.0	3.0	. 0	1.0	2.0 4.0 3.0 5.0	.0	1.0 1.0	9.5 3.5 6.5 8.0	.5 1.0	3.0 3.5
5	1.0	. 0							2.5	4.5	. 0	2.0
6 7	1.5	.0	.5 1.0	4.0	1.0	2.0	6.0 7.5	1.0	3.0	4.5 8.0	.5 .5 2.0	2.0
8 9 10	2.0 1.0 2.0	.0 .5 .0 .0	1.0 .5	4.0 4.5 5.0 3.5 3.5	1.5	3.0 2.5 2.0	6.0 7.5 6.5 6.0 3.0	1.5	3.0	4.5 8.0 7.0 7.5 7.0	2.0 2.0 2.0	4.5 4.5 4.0
	2.0	.5										
12	2.0	.0 .0 .0	.5	6.5	.5	2.5	.5 1 5	.0	.0	3.5	2.5	3.0 4.5
14 15	2.0 3.0 3.5	1.0	1.5	3.5	1.5 .5 1.0 2.0	2.5	1.5	.0	.5 1.5	5.5 3.5 9.0 11.5 10.0	1.5	6.0
		.0										6.0
17 18	2.0 2.5	.5	1.0	.0 4.0	.0.0.0	.0 1.5	3.5 3.5 4.0 4.5	1.0	2.0	9.5 10.5 11.0 7.0 6.5	3.0 2.5	6.0 6.0
19 20	2.5 2.0 2.5	.0 .5 .0 .0	1.0 2.0	5.0	.0	1.5	4.5 5.0	2.0	3.5	7.0 6.5	2.5 3.5	5.0 5.0
21 22	2.5	1.5	2.0	3.5	.0	1.5	5.5	2.0	3.5 4.5	8.5 7.5 6.5 11.5 8.0	2.0	5.0 4.5
23 24	4.0 3.0 4.5	1.5 1.5 2.0 1.0	2.0 2.0 2.5 2.0	.5	.0.0.0.0	.0	5.5 7.5 5.0 4.5 6.5	2.0	3.5	6.5 11.5	2.5	4.5
	4.5	1.0	2.0	.0						8.0	1.5	5.0
26 27	3.5	1.0	2.0	.0	.0	.0	7.5 10.0 5.5 5.0	1.5 2.5	4.0 5.5	6.0 5.0	2.5 1.5	3.5
28 29	1.0	.0	. 0	.0 .5	.0	.0	5.5 5.0	2.5 1.5	4.0	5.0 8.0	2.5	3.5 5.0
30 31				.5 1.5	.0	.0 .5	6.5 	.5	3.5	12.5 10.5		6.5 6.5
MONTH	4.5	.0	1.1	6.5	.0	1.1	10.0	.0	2.4	12.5	.0	4.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBE	IR.
1 2	9.0 10.5	JUNE 4.0 4.5			JULY			AUGUST			SEPTEMBE	7.0 7.0
1 2 3 4	9.0 10.5 13.0 13.0	JUNE 4.0 4.5 4.0 4.0			JULY	6.5 7.5 6.5 7.0	12.0 9.0 9.5 9.0	AUGUST 6.0 7.0 5.5 5.5			SEPTEMBE	7.0 7.0 7.5 8.0
1 2 3 4 5	9.0 10.5 13.0 13.0 9.0	JUNE 4.0 4.5 4.0 4.0 3.5	6.0 7.0 7.5 7.5 5.5	9.0 11.5 8.0 13.0 8.0	JULY 5.0 5.0 5.0 4.0 4.5	6.5 7.5 6.5 7.0 6.0	12.0 9.0 9.5 9.0 13.0	AUGUST 6.0 7.0 5.5 5.5 6.0	8.0 8.0 7.0 7.0 8.5	9.5 9.5 11.5 10.5 12.0	5.5 5.5 5.0 6.5 4.5	7.0 7.0 7.5 8.0 7.5
1 2 3 4 5	9.0 10.5 13.0 13.0 9.0	JUNE 4.0 4.5 4.0 4.0 3.5	6.0 7.0 7.5 7.5 5.5	9.0 11.5 8.0 13.0 8.0	JULY 5.0 5.0 5.0 4.0 4.5	6.5 7.5 6.5 7.0 6.0	12.0 9.0 9.5 9.0 13.0	AUGUST 6.0 7.0 5.5 5.5 6.0	8.0 8.0 7.0 7.0 8.5	9.5 9.5 11.5 10.5 12.0	5.5 5.5 5.0 6.5 4.5	7.0 7.0 7.5 8.0 7.5
1 2 3 4 5	9.0 10.5 13.0 13.0 9.0	JUNE 4.0 4.5 4.0 4.0 3.5	6.0 7.0 7.5 7.5 5.5	9.0 11.5 8.0 13.0 8.0	JULY 5.0 5.0 5.0 4.0 4.5	6.5 7.5 6.5 7.0 6.0	12.0 9.0 9.5 9.0 13.0	AUGUST 6.0 7.0 5.5 5.5 6.0	8.0 8.0 7.0 7.0 8.5	9.5 9.5 11.5 10.5 12.0	5.5 5.5 5.0 6.5 4.5	7.0 7.0 7.5 8.0 7.5
1 2 3 4 5 6 7 8 9	9.0 10.5 13.0 13.0 9.0 9.5 12.0 8.5 11.5	JUNE 4.0 4.5 4.0 4.0 3.5 3.5 4.5 4.0 4.0 4.0	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0	JULY 5.0 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0	6.5 7.5 6.5 7.0 6.0 5.0 7.0 6.5 6.0	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.0	6.0 7.0 5.5 5.5 6.0 6.0 7.0 7.5 6.0	8.0 8.0 7.0 7.0 8.5 8.0 9.0 8.5 9.0	9.5 9.5 11.5 10.5 12.0 11.0 12.0 8.5 11.5	5.5 5.5 5.0 6.5 4.5 4.5 4.0 5.5 4.0 6.0	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 8.0
1 2 3 4 5	9.0 10.5 13.0 13.0 9.0	JUNE 4.0 4.5 4.0 4.0 3.5	6.0 7.0 7.5 7.5 5.5	9.0 11.5 8.0 13.0 8.0	JULY 5.0 5.0 5.0 4.0 4.5	6.5 7.5 6.5 7.0 6.0	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.0 12.0 15.0	AUGUST 6.0 7.0 5.5 5.5 6.0	8.0 8.0 7.0 7.0 8.5	9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5	5.5 5.5 5.0 6.5 4.5	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 7.5 8.0
1 2 3 4 5 6 7 8 9 10	9.0 10.5 13.0 13.0 9.0 9.5 12.0 8.5 11.5 13.5	JUNE 4.0 4.5 4.0 3.5 3.5 4.5 4.0 4.0 3.5	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 8.0	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0	6.5 7.5 6.0 7.0 6.0 5.0 6.5 6.5 6.5	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5	6.0 7.0 5.5 5.5 6.0 6.0 6.0 7.0 7.5 6.0	8.0 8.0 7.0 7.0 8.5 8.0 9.0 8.5 9.5 9.0	9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5	5.5 5.5 5.0 6.5 4.5 4.5 4.0 5.5 6.0	7.0 7.0 7.5 8.0 7.5 6.5 6.5 7.5 6.5 7.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	9.0 10.5 13.0 9.0 9.5 12.0 9.5 12.5 10.5 10.0 9.5	JUNE 4.0 4.5 4.0 3.5 3.5 4.5 4.0 4.0 4.0 4.0 4.0 2.5	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5 7.5 7.0 6.5 6.5 6.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 8.0 9.0 6.5 9.0 6.5 9.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 4.5 5.0 5.0 6.5 5.5	6.5 7.5 7.0 6.0 5.0 6.0 5.0 6.5 6.5 6.5 7.5 6.0 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.0 15.5 15.5 15.5 11.5	AUGUST  6.0 7.0 5.5 5.5 6.0  6.0 7.0 7.5 6.0  5.0 6.5 7.5 8.0  6.5	8.0 8.0 7.0 7.0 8.5 9.0 8.5 9.5 9.0 10.5 10.0 9.5	9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0	SEPTEMBE 5.5 5.5 5.0 6.5 4.5 4.0 5.5 4.0 6.0 6.0 6.0 4.5 6.0	7.0 7.0 7.5 8.0 7.5 6.5 6.5 7.5 6.5 8.0 7.5 6.5 6.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	9.0 10.5 13.0 13.0 9.0 9.5 12.0 8.5 11.5 10.5 9.0 10.0 9.5	JUNE 4.0 4.5 4.0 3.5 3.5 4.0 4.0 4.0 4.0 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5 7.0 6.5 6.5 6.5 8.0 8.0	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 9.0 6.5 9.0 11.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 6.5 5.0 7.0	6.55.00 6.00 6.00 6.05 6.05 6.05 6.05 6.	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5 12.0 15.5 15.5 11.5	6.0 7.0 5.5 5.5 6.0 6.0 6.0 7.0 7.5 6.0 5.5 6.5 6.5	8.0 8.0 7.0 8.5 8.0 9.0 8.5 9.0 8.5 9.0 10.5 10.0 9.5	9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0	SEPTEMBE 5.5 5.5 5.5 6.0 6.5 4.5 4.5 4.0 6.0 6.0 6.0 6.5 7.0 4.5 6.0 6.5 3.5	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 7.5 6.0 6.5 7.5 6.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	9.0 10.5 13.0 9.0 9.5 12.0 8.5 11.5 13.5 12.5 9.0 10.5 9.5	JUNE 4.0 4.5 4.0 3.5 3.5 4.5 4.0 4.0 4.0 4.5 3.5 4.0 4.0 4.0 4.0 4.0 4.0	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5 7.5 6.0 6.5 6.5 6.5 8.0	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 8.0 9.0 6.5 9.0 6.5 9.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 5.0 6.5 5.0	6.5 7.5 7.0 6.0 5.0 6.0 6.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.0 6.5 7.5 7.0 6.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5 12.0 15.5 15.5 11.5	AUGUST  6.0 7.0 5.5 5.5 6.0  6.0 7.0 7.5 6.0  5.0 6.5 7.5 6.5 8.0	8.0 8.0 7.0 7.0 8.5 8.0 9.0 8.5 9.5 9.0 10.0 10.5 9.5	9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0	SEPTEMBE 5.5 5.5 5.0 6.5 4.5 4.5 4.0 6.0 6.0 6.0 6.5 7.0 6.0 6.5 7.0 6.5	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 7.5 8.0 7.5 6.5 7.5 6.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	9.0 10.5 13.0 9.0 9.5 12.0 13.5 12.5 10.0 9.5 14.5 13.5 12.5 10.0 9.5	JUNE 4.0 4.5 4.0 4.0 3.5 3.5 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5 7.5 6.5 6.5 6.5 8.0 8.0 8.0 7.5 6.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 8.0 8.0 8.0 9.0 6.5 9.0 6.5 9.0 8.5 9.0 8.5 9.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 6.5 5.5 4.0 7.0 6.0 5.0 4.5	6.55 7.55 7.00 5.05 6.05 5.55 6.05 7.00 7.05 8.00 7.05 8.00 7.05 8.00 7.05 8.00 7.05 8.00 7.00 8.00 8.00 8.00 8.00 8.00 8.00	12.0 9.0 9.5 9.0 13.0 10.0 14.5 13.0 15.5 15.5 11.5	AUGUST  6.0 7.0 5.5 5.5 6.0 6.0 7.0 7.5 6.0 5.0 6.5 7.5 6.5 8.0 6.5 6.5 7.0 6.0 5.0 6.5	8.0 8.0 7.0 7.0 8.5 9.0 8.5 9.0 10.5 10.0 9.5 8.5 8.5 9.5 9.0	9.5 9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0 8.5 10.0 9.5 8.5	SEPTEMBE 5.5 5.5 5.0 6.5 4.5 4.5 4.0 6.0 6.0 6.0 6.5 7.0 4.5 6.0 6.5 7.0 4.5 6.0 6.5	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 8.0 7.5 6.5 7.5 6.0 6.5 7.5 6.0 6.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	9.0 10.5 13.0 9.0 13.0 9.5 12.0 8.5 11.5 10.5 9.0 10.0 9.5 14.5 13.5 12.0 12.0 12.0	JUNE 4.0 4.5 4.0 3.5 3.5 4.0 4.0 4.5 3.5 4.0 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.5	6.0 7.0 7.5 5.5 6.0 7.0 6.0 7.5 7.5 7.0 6.5 6.5 6.5 6.5 6.5 6.5	9.0 11.5 8.0 8.0 6.5 12.5 10.0 8.0 8.0 9.0 6.5 9.0 11.0 8.5 9.0 9.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 5.0 6.5 5.0 4.0 6.0 6.0	6.55 6.00 6.50 6.50 6.50 6.50 6.50 6.50	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5 12.0 15.5 15.5 11.5 10.5 10.0 11.0 10.0	AUGUST  6.0 7.0 5.5 5.5 6.0  6.0 6.0 7.0 7.5 6.0  5.0 6.5 7.5 6.5 8.0  6.5 6.5 7.0 6.0 6.0 6.0	8.0 8.0 7.0 8.5 8.0 9.0 8.5 9.0 10.5 10.0 9.5 9.0 8.5	9.5 9.5 9.5 11.5 10.5 12.0 10.0 11.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0 8.5 10.0 9.5 8.5 7.5	SEPTEMBE 5.5 5.5 6.5 4.5 4.5 4.0 5.5 4.0 6.0 6.0 5.5 7.0 6.0 6.5 5.5 6.0 6.0 4.5 5.5 6.0	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.0 7.5 7.5 6.0 7.5 7.5 6.0 7.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	9.0 10.5 13.0 9.0 9.5 12.0 8.5 11.5 13.5 10.5 9.0 10.0 9.5 14.5 13.5 12.0 10.0	JUNE 4.0 4.5 4.0 4.0 3.5 3.5 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.0 7.5 7.5 7.5 6.5 6.5 6.5 8.0 8.0 7.5 7.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 8.0 8.0 9.0 6.5 9.0 6.5 9.0 9.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 5.0 6.5 5.5 4.0 7.0 6.0 5.0 4.5	6.55 7.55 7.6 .0 0.05 6.05 5.55 7.5 5.00 6.5 6.5 5.5 7.6 6.5 6.5 6.00 7.6 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5 12.0 15.5 15.5 11.5	AUGUST  6.0 7.0 5.5 5.5 6.0  6.0 7.5 6.0  5.0 6.5 7.5 8.0  6.5 6.5 7.0 6.0  5.0 6.0	8.0 8.0 7.0 7.0 8.5 9.0 8.5 9.5 9.0 10.0 10.0 9.5 8.5 10.0 7.5 8.5 8.0 9.5	9.5 9.5 11.5 10.5 12.0 10.0 11.0 12.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0 8.5 10.0 9.5 9.5 9.5	SEPTEMBE 5.5 5.5 5.5 6.5 4.5 4.5 4.0 6.0 5.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 7.5 6.0 7.5 6.0 7.5 6.0 7.5 6.0 7.5 6.0 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26 27	9.0 10.5 13.0 9.0 9.5 12.0 10.5 9.0 10.5 9.0 10.0 9.5 14.5 12.0 10.0 10.0 12.5 8.0 10.0	JUNE 4.0 4.5 4.0 3.5 4.5 4.0 4.5 4.0 4.5 4.0 4.0 4.0 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5	6.0 7.0 7.5 7.5 5.5 6.0 7.0 6.5 7.5 7.5 7.5 6.5 6.5 8.0 8.0 8.0 7.5 7.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 8.0 9.0 6.5 9.0 11.0 8.5 9.5 10.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 5.0 6.5 5.5 4.0 6.0 6.0 6.0 6.0 5.5 7.0	6.55.500 0.05.05 5.55.00 6.55.55 5.00 6.55.55 5.00 6.55.55 5.00 6.55.55 6.55 6.55.55 6.55.55 6.55.55 6.55 6.55 6.55 6.55 6.55 6.55 6.55 6.55 6.55 6.55 6.55 6.	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5 12.0 15.5 15.5 11.5 10.5 10.0 11.0 11.0 11	AUGUST  6.0 7.0 5.5 5.5 6.0 6.0 7.5 6.0 5.0 6.5 7.5 6.5 8.0 6.5 6.5 6.5 6.5 7.0 6.0 6.0 6.0 5.0 6.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	8.0 8.0 7.0 7.0 8.5 9.0 8.5 9.0 10.0 10.0 9.5 8.5 10.0 9.5 8.5 10.0 9.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	9.5 9.5 11.5 10.5 12.0 10.0 11.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0 8.5 10.0 9.5 7.5 7.0	SEPTEMBE 5.5 5.5 5.0 6.5 4.5 4.5 4.0 6.0 5.5 7.0 6.0 6.5 7.5 6.0 6.5 7.5 6.0 6.5 7.5 6.0 6.5 7.5 6.0 6.5 7.5 6.0 6.0 6.5 7.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.0 7.5 6.0 7.0 6.5 7.5 6.0 7.5 6.0 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	9.0 10.5 13.0 9.0 9.5 12.0 9.5 12.5 10.0 9.5 14.5 12.5 12.0 10.0 12.0 10.0 12.5 8.0 11.5 12.0 11.5 12.0 10.0	JUNE 4.0 4.5 4.0 4.0 3.5 3.5 4.5 4.0 4.0 4.5 3.5 4.0 4.0 4.0 4.5 4.0 4.5 4.5 4.0 4.5 4.5 5.5	6.0 7.0 7.5 5.5 6.0 7.0 6.5 7.5 7.5 7.5 6.5 6.5 8.0 8.0 7.5 6.5 7.0 6.5 6.5 7.0 6.5 6.5 7.0 7.5 7.5 7.5 7.5 7.0 7.0 7.5 7.0 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	9.0 11.5 8.0 13.0 8.0 6.5 12.5 10.0 8.0 8.0 9.0 6.5 9.0 11.0 8.0 8.0 9.0 7.0 9.0 8.0 9.0 11.0 9.0 8.5	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 6.5 5.5 4.0 6.0 6.0 6.0 7.0 6.0 7.0 6.5	6.55500 5.00 5.05 6.0	12.0 9.0 9.5 9.0 13.0 10.0 14.5 13.0 15.5 15.5 11.5 10.5 10.0 11.0 10.0 11.0 10.0 12.5 11.0 8.0 7.0 8.5 9.5 13.5	AUGUST  6.0 7.0 5.5 6.0 6.0 6.0 7.5 6.0 5.0 6.5 7.5 6.5 8.0 6.5 7.0 6.0 6.0 6.5 6.5 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	8.0 8.0 7.0 7.0 8.5 9.0 8.5 9.0 10.0 9.5 8.5 10.0 9.5 8.5 7.0 6.5 7.0 8.5	9.5 9.5 9.5 11.5 10.0 11.0 11.0 12.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0 8.5 7.5 9.5 9.5 9.5 9.5 9.5 7.5 6.5 5.5	SEPTEMBE  5.5 5.0 6.5 4.5 4.5 4.5 4.0 6.0 5.5 6.0 6.5 5.5 6.0 4.5 5.5 6.0 4.5 4.0 4.5 4.0 4.5 4.0 4.5 4.0 4.5	7.0 7.0 7.5 8.0 7.5 6.5 7.5 6.5 8.0 7.5 7.5 6.0 7.5 7.5 6.0 7.5 7.5 6.0 7.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 6.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	9.0 10.5 13.0 9.0 9.5 12.0 8.5 11.5 13.5 10.5 9.0 10.0 9.5 14.5 13.5 12.0 12.0 12.0 10.0 11.5 12.5 13.5	JUNE 4.0 4.5 4.0 3.5 3.5 4.5 4.0 4.0 4.5 3.5 4.0 4.0 4.0 4.0 4.5 4.0 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0	6.0 7.0 7.5 5.5 6.0 6.0 7.5 7.5 7.5 6.0 6.5 6.5 8.0 7.5 6.0 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	9.0 11.5 8.0 8.0 6.5 12.5 10.0 8.0 8.0 9.0 6.5 9.0 6.5 9.0 8.0 7.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 11.0 8.0	JULY 5.0 5.0 4.0 4.5 4.0 3.5 4.5 5.0 5.0 5.0 6.0 6.0 6.0 6.0 7.0 7.0	67.55 67.60 67.55 67.60 67.50	12.0 9.0 9.5 9.0 13.0 10.0 14.5 10.5 13.5 12.0 15.5 11.5 10.5 10.0 11.0 11.0 8.0 7.0 8.5	AUGUST  6.0 7.0 5.5 6.0 6.0 6.0 7.05 6.0 5.0 6.5 7.5 6.5 8.0 6.5 6.5 7.0 6.0 6.0 6.0 6.0 6.0 6.5 6.5 7.5 6.0	8.0 8.0 7.0 8.5 8.0 9.0 8.5 9.0 10.5 9.5 10.0 9.5 8.5 10.0 9.5 8.5 8.0 9.0 9.5 10.0 9.5 8.5 8.0 9.0 9.0 8.5 10.0 9.0 8.5 8.0 9.0 9.0 8.5 8.0 9.0 9.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	9.5 9.5 11.5 10.5 12.0 10.0 11.0 8.5 11.5 8.5 10.0 9.0 7.5 7.0 8.5 10.0 9.5 8.5 7.5 9.0 7.5 7.5 7.5	SEPTEMBE 5.5 5.5 5.5 6.5 4.5 4.0 5.5 4.0 6.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.5 7.0 6.0 6.0 6.5 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	7.0 7.0 7.5 8.0 7.5 6.5 7.5 7.5 6.5 7.5 7.5 7.5 6.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7

## 15300300 ILIAMNA RIVER NEAR PEDRO BAY

LOCATION.--Lat  $59^{\circ}45'31''$ , long  $153^{\circ}50'41''$ , in  $NE^{1}_{/4}$  SE $^{1}_{/4}$  sec. 10, T. 5 S., R. 27 W.(Iliamna D-3 quad), Lake and Peninsula Borough, Hydrologic Unit 19030206, on left bank 100 ft downstream from bridge on road between Pile Bay and Williamsport, 9.2 mi east of Pedro Bay, and 37 mi east of Iliamna.

DRAINAGE AREA.--128 mi<sup>2</sup>.

PERIOD OF RECORD. -- May 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 80 ft above sea level, from topographic map.

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

REMARKS	Record	s are good	except i	for estima	ted daily	dischar	ges which	are poor.	GOES sat	ellite tel	emetry at	station.
		DISCHA	RGE, CUB	IC FEET PE		WATER Y MEAN		BER 2000 T	TO SEPTEM	BER 2001		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	453 425 408 444 690	e400 376 355 338 328	e400 e400 e400 e380 e380	e320 e300 e270 e250 e240	e340 e320 e320 e300 e290	e210 e200 e200 e200 e200	e160 e160 e160 e160 e160	e220 e220 e230 e230 e240	1980 2070 2540 2480 2410	2870 2660 3000 3100 2620	1770 1700 1520 1390 1220	1290 1060 949 1120 2010
6 7 8 9 10	894 1280 910 721 635	317 302 292 360 838	382 441 384 359 352	e250 e280 e280 e250 e230	e290 e280 e270 e260 e250	e190 e190 e190 e190 e190	e160 e160 e160 e160 e160	e240 e250 e260 e280 290	2070 1980 2000 2170 2450	2700 2780 2460 2350 2530	1260 1350 1360 1380 1270	2730 1790 1240 992 850
11 12 13 14 15	565 511 499 903 846	867 701 850 823 669	354 511 494 451 419	e240 e250 e280 e320 e400	e240 e240 e230 e230 e230	e190 e180 e180 e180 e180	e160 e150 e150 e150 e150	306 332 387 462 556	2700 2700 2580 2570 2860	3300 3640 2600 2140 2810	1350 1620 1580 1580 1530	772 733 801 791 884
16 17 18 19 20	771 690 680 615 557	669 806 857 869 901	388 e420 e440 e460 e440	e440 e500 e600 e650 e650	e230 e240 e250 e250 e240	e180 e180 e180 e170	e150 e160 e160 e170 e170	721 765 859 959 1070	3040 3330 3470 3200 3210	3280 2900 2630 7460 6990	1650 1490 1750 1710 3510	867 848 838 848 801
21 22 23 24 25	512 477 426 457 983	1150 1370 1030 815 669	e420 e380 e400 e420 e420	e625 e600 e600 521 477	e240 e230 e230 e220 e220	e170 e170 e170 e170 e170	e180 e180 e190 e190 e200	1160 1160 1240 1170 1200	3740 4060 4250 4070 3820	3900 2790 2540 2410 2110	1850 1550 1170 1180 1690	1410 1110 1340 2090 1250
26 27 28 29 30 31	732 624 548 498 464 419	571 502 518 470 420	e440 e440 e420 e420 e400 e360	546 502 430 393 365 342	e220 e210 e210 	e160 e160 e160 e160 e160	e200 e210 e210 e220 e220	1310 1170 1210 1470 1610 1750	4280 4300 4500 3820 3520	1940 2150 1930 1870 2210 2190	1210 1060 1260 1870 2240 1800	1050 987 872 782 694
TOTAL MEAN MAX MIN AC-FT CFSM IN.	19637 633 1280 408 38950 4.95 5.71	19433 648 1370 292 38550 5.06 5.65	12775 412 511 352 25340 3.22 3.71	12401 400 650 230 24600 3.13 3.60	7080 253 340 210 14040 1.98 2.06	5560 179 210 160 11030 1.40 1.62	5170 172 220 150 10250 1.35 1.50	23327 752 1750 220 46270 5.88 6.78	92170 3072 4500 1980 182800 24.0 26.79	90860 2931 7460 1870 180200 22.9 26.41	48870 1576 3510 1060 96930 12.3 14.20	33799 1127 2730 694 67040 8.80 9.82
		STATISTIC	CS OF MON	THLY MEAN	DATA FOR	WATER	YEARS 1996	6 - 2001,	BY WATER	YEAR (WY)	#	
MEAN MAX (WY) MIN (WY)	588 861 2000 289 1997	427 748 1999 161 1997	208 412 2001 84.5 1997	168 400 2001 75.2 1998	128 253 2001 61.6 1998	175 407 1998 60.6 1999	278 500 1998 87.8 1999	986 1313 1998 752 2001	2557 3790 1998 1716 1996	1741 2931 2001 788 1997	1240 1631 1999 692 1997	1454 2178 1999 627 1996
SUMMAR	Y STATIST	ICS	FOR	2000 CALEN	IDAR YEAR		FOR 2001	WATER YEAR		WATER YE	EARS 1996	- 2001#
LOWEST HIGHES' LOWEST ANNUAL MAXIMUI ANNUAL ANNUAL ANNUAL 10 PER 50 PER	MEAN I ANNUAL ANNUAL M I DAILY M DAILY ME SEVEN-DA M PEAK FL M PEAK ST RUNOFF ( RUNOFF (	EAN EAN AN W MINIMUM OW AGE AC-FT) CFSM) INCHES) EDS EDS		291542 797 7830 a140 140 578300 6.22 84.73 1940 488 150	2		7460 b150 153 11400 736000 7. 107. 2620 518	94		874 1083 622 12300 c38 40 14800 71.82 633500 6.83 92.82 2190 503 85	3	1998 1997 8 1998 5 1997 2 1997 8 1998 8 1998

See Period of Record; partial year used in monthly statistics From Mar. 8-27 From Apr. 12-16 From Jan. 5-6, 1997 Estimated

## 15303700 TATALINA RIVER NEAR TAKOTNA

LOCATION.--Lat  $62^{\circ}53'06''$ , long  $155^{\circ}56'22''$ , in  $NW^{1}/_{4}$   $NE^{1}/_{4}$  sec. 12, T.32 N., R.36 W.(McGrath D-6 quad), Hydrologic Unit 19030405, at downstream side of bridge on right bank, 1.2 mi southeast of Tatalina Airstrip, and 8.1 mi southeast of Takotna.

DRAINAGE AREA. -- 76.9 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

- PERIOD OF RECORD.--May 1987 to current year (no winter record), except May only in 1989, and annual maximum in water year 1991.
- GAGE.--Water-stage recorder, non-recording gage, and crest-stage gage. Elevation of gage is 450 ft above sea level, from topographic map. Prior to May 9, 1990 at site 20 ft downstream at same datum.
- REMARKS.--Records fair, except for estimated daily discharges, which are poor. Precipitation gage and air temperature recorder at station.
- EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft<sup>3</sup>/s, July 8, 1998, gage-height 10.97 ft; maximum gage height 11.46 ft, 1996, date and time unknown, backwater from ice, discharge not determined; minimum discharge not determined, occurs during winter.
- EXTREMES FOR CURRENT PERIOD.-- October 2000 and May to September 2001: maximum discharge during period, 686 ft<sup>3</sup>/s, August 20, gage height 8.41 ft; maximum observed gage height 10.95 ft, May 13, backwater from ice, discharge not determined; minimum discharge not determined, occurs during winter.

		DISCHARG	E, CUBIC	C FEET PE		WATER Y MEAN		ER 2000	TO SEPTEMBE	R 2001		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121							e100	413	67	180	123
2	e120							e110	368	66	138	115
3	e110							e120	332	68	123	110
4	e110							e130	296	79	112	125
5	e100							e140	263	70	106	168
3	6100							CITO	203	70	100	100
6	e100							e150	238	67	99	133
7	e95							e160	220	63	94	117
8	e90							e170	244	62	89	108
9	e85							e180	227	61	83	102
10	e80							e190	196	64	79	97
11	e75							e210	180	128	80	92
12	e70							e250	164	172	82	89
13	e65							e280	153	130	78	84
14	e60							e320	143	114	98	79
15	e55							e350	129	100	126	77
16	e50							e380	121	109	387	73
17	e48							e410	117	127	221	71
18	e46							e440	111	112	240	70
19	e44							e470	104	118	296	69
20	e42							e500	99	174	582	68
21	e40							e530	94	180	343	67
22	e38							e545	90	154	271	65
23	e36							e530	87	182	243	65
24	e34							494	88	144	226	64
25	e32							492	88	123	203	62
26	e30							520	81	117	184	61
27	e28							468	77	156	169	64
28	e26							526	75	130	157	64
29	e24							559	72	115	146	60
30	e24							522	69	132	137	59
31	e22							470		230	130	
31	620							470		230	130	
TOTAL	1896							10716	4939	3614	5502	2601
MEAN	61.2							346	165	117	177	86.7
MAX	121							559	413	230	582	168
MIN	20							100	69	61	78	59
AC-FT	3760							21260	9800	7170	10910	5160
CFSM	.80							4.50	2.14	1.52	2.31	1.13
IN.	.92							5.18	2.39	1.75	2.66	1.26

e Estimated

## 15303700 TATALINA RIVER NEAR TAKOTNA--Continued

#### WATER-QUALITY RECORDS

PERIOD OF RECORD. -- Water years 1992 to current year.

PERIOD OF DAILY RECORD.-WATER TEMPERATURE: July 1992 to current year (seasonal).

INSTRUMENTATION.--Electronic water-temperature recorder set for 1-hour recording interval.

REMARKS.--Records represent water temperature at the sensor within  $0.5^{\circ}$ C. Temperature at the sensor was compared with the stream average by cross sections on July 19 and September 6. No variation was found between mean stream temperature and sensor temperature.

EXTREMES FOR PERIOD OF RECORD.-- WATER TEMPERATURE.--Maximum recorded,  $16.5^{\circ}$ C, July 30 to August 2, and 4, 1997; minimum,  $0.0^{\circ}$  C, several days in October, May, and September most water years.

EXTREMES FOR CURRENT YEAR. --

WATER TEMPERATURE: Maximum, 11.5°C, June 23,29-30 and July 2; minimum, 0.0°C, several days in October and May.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

TIME	STREAM WIDTH (FT) (00004)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)
1616	33.0	4.0	4.44	121	8.5	17.0	10	8010
1618	33.0	12.0	4.44	121	8.5	17.0	10	8010
1620	33.0	20.0	4.44	121	8.5	17.0	10	8010
1622	33.0	28.0	4.44	121	8.5	17.0	10	8010
1624	33.0	33.0	4.44	121	8.5	17.0	10	8010
1532	34.0	8.0	4.53	130	5.5	7.5	10	8010
1534	34.0	16.0	4.53	130	5.5	7.5	10	8010
1536	34.0	24.0	4.53	130	5.5	7.5	10	8010
1538	34.0	32.0	4.53	130	5.5	7.5	10	8010
1540	34.0	34.0	4.53	130	5.5	7.5	10	8010
	1616 1618 1620 1622 1624 1532 1534 1536 1538	TIME (FT) (00004)  1616 33.0 1618 33.0 1620 33.0 1622 33.0 1624 33.0 1532 34.0 1534 34.0 1534 34.0 1538 34.0	TIME WIDTH (FT FM (00004) (72103)  TIME WIDTH (FT FM (FT) R BK) (00004) (72103)  1616 33.0 4.0 16.0 1622 33.0 20.0 1622 33.0 28.0 1624 33.0 33.0 1532 34.0 8.0 1534 34.0 16.0 1534 34.0 34.0 24.0 1538 34.0 32.0	TIME WIDTH (FT FM HEIGHT (FT) R BK) (FEET) (00004) (72103) (00065)  1616 33.0 4.0 4.44 1618 33.0 12.0 4.44 1622 33.0 20.0 4.44 1622 33.0 28.0 4.44 1624 33.0 33.0 4.44 1532 34.0 8.0 4.53 1534 34.0 16.0 4.53 1536 34.0 24.0 4.53 1538 34.0 32.0 4.53	TIME WIDTH (FT FM HEIGHT PER (00061)  1616 33.0 4.0 4.44 121 1628 33.0 28.0 4.44 121 1622 33.0 28.0 4.44 121 1624 33.0 33.0 4.44 121 1532 34.0 8.0 4.53 130 1536 34.0 24.0 4.53 130 1538 34.0 32.0 4.53 130 1538 34.0 32.0 4.53 130 1538 34.0 32.0 4.53 130 1538 34.0 32.0 4.53 130	LOC-	LOC- ATION, CROSS   CUBIC TEMPER- TEMPER- ATURE WIDTH (FT FM HEIGHT PER WATER AIR (NO0004) (72103) (00065) (00061) (00010) (00020)	LOC-

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		NC	VEMBER		DE	CEMBER			JANUARY	
1 2 3 4 5	.0.0.0	.0.0.0	.0.0.0.0	  			  			  		
6 7 8 9	.0.0.0	.0.0.0.0	.0.0.0.0	  		  	  	  	  	  		  
11 12 13 14 15	. 0   	. 0   	. 0   	  	  		  			  		  
16 17 18 19 20	  	  	  	  	  	  	  	  	  	  		  
21 22 23 24 25	  	  	  			  	  	  	  			  
26 27 28 29 30 31	  	   		  	  	  	  		   	  	  	  
MONTH												

# 15303700 TATALINA RIVER NEAR TAKOTNA--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1												
2												
4												
5												
6												
7 8												
9												
10												
11												
12 13												
14												
15												
16												
17 18												
19											.0	
20										.5	. 0	.0
21										1.0	.0	.5
22										1.0	. 0	. 5
23 24										1.0 1.5	.0	.5 .5
25										1.0	.5	.5
26										1.5	.0	.5
27 28										2.5 3.5	.5 1.0	1.5 2.5
29										4.0	2.0	3.0
30										4.0	2.5	3.0
31										4.0	3.0	3.5
MONTH												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN JUNE	MEAN	MAX	MIN	MEAN		MIN AUGUST	MEAN		MIN SEPTEMBE	
DAY 1	MAX 4.5		MEAN	MAX 11.0		MEAN			MEAN			
1 2	4.5 5.0	JUNE 3.0 3.5	3.5 4.0	11.0 11.5	JULY 9.0 9.0	10.0 10.0	9.0 8.5	AUGUST 7.0 7.0	8.0 7.5	5.5 6.0	SEPTEMBE 5.0 5.0	5.0 5.5
1 2 3	4.5 5.0 5.0	JUNE 3.0 3.5 4.5	3.5 4.0 5.0	11.0 11.5 10.5	JULY 9.0 9.0 9.0	10.0 10.0 9.5	9.0 8.5 8.0	7.0 7.0 7.0 7.0	8.0 7.5 7.5	5.5 6.0 6.0	SEPTEMBE 5.0 5.0 5.5	5.0 5.5 6.0
1 2	4.5 5.0	JUNE 3.0 3.5	3.5 4.0	11.0 11.5	JULY 9.0 9.0	10.0 10.0	9.0 8.5	AUGUST 7.0 7.0	8.0 7.5	5.5 6.0	SEPTEMBE 5.0 5.0	5.0 5.5
1 2 3 4	4.5 5.0 5.0 5.5	JUNE 3.0 3.5 4.5 4.5	3.5 4.0 5.0 5.0	11.0 11.5 10.5 9.0	JULY 9.0 9.0 9.0 8.0	10.0 10.0 9.5 8.5	9.0 8.5 8.0 7.0	7.0 7.0 7.0 7.0 6.0	8.0 7.5 7.5 6.5	5.5 6.0 6.0 6.0	5.0 5.0 5.5 5.5	5.0 5.5 6.0 5.5
1 2 3 4 5	4.5 5.0 5.0 5.5 5.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5	3.5 4.0 5.0 5.0 4.5	11.0 11.5 10.5 9.0 8.5 8.5	JULY 9.0 9.0 9.0 8.0 8.0 7.5 7.5	10.0 10.0 9.5 8.5 8.0	9.0 8.5 8.0 7.0 7.0	7.0 7.0 7.0 7.0 6.0 5.0	8.0 7.5 7.5 6.5 6.0 7.0 7.5	5.5 6.0 6.0 6.0 6.0	5.0 5.0 5.5 5.5 5.5 5.5	5.0 5.5 6.0 5.5 5.5 5.5
1 2 3 4 5	4.5 5.0 5.5 5.5 6.5 4.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0	3.5 4.0 5.0 5.0 4.5 5.5 4.0	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5	JULY  9.0  9.0  9.0  8.0  8.0  7.5  7.5  7.5	10.0 10.0 9.5 8.5 8.0 8.0 8.5 9.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5	7.0 7.0 7.0 7.0 6.0 5.0	8.0 7.5 7.5 6.5 6.0 7.0 7.5 8.5	5.5 6.0 6.0 6.0 6.0 6.0	5.0 5.0 5.5 5.5 5.5 5.5 4.0 4.0	5.0 5.5 6.0 5.5 5.5 5.5 4.5 4.0
1 2 3 4 5	4.5 5.0 5.0 5.5 5.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5	3.5 4.0 5.0 5.0 4.5	11.0 11.5 10.5 9.0 8.5 8.5	JULY 9.0 9.0 9.0 8.0 8.0 7.5 7.5	10.0 10.0 9.5 8.5 8.0	9.0 8.5 8.0 7.0 7.0	7.0 7.0 7.0 7.0 6.0 5.0	8.0 7.5 7.5 6.5 6.0 7.0 7.5	5.5 6.0 6.0 6.0 6.0	5.0 5.0 5.5 5.5 5.5 5.5	5.0 5.5 6.0 5.5 5.5 5.5
1 2 3 4 5 6 7 8 9	4.5 5.0 5.5 5.5 6.5 4.5 6.0	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5	3.5 4.0 5.0 5.0 4.5 5.5 5.5 4.0 4.5	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0	JULY  9.0 9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 9.5	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5	7.0 7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0	8.0 7.5 7.5 6.5 6.0 7.0 7.5 8.5 9.0 8.0	5.5 6.0 6.0 6.0 6.0 6.0 5.0 4.5 4.5	5.0 5.0 5.5 5.5 5.5 5.5 5.3 4.0 4.0 3.5 3.0	5.0 5.5 6.0 5.5 5.5 5.5 4.5 4.0 4.0
1 2 3 4 5 6 7 8 9 10	4.5.0 5.05.5 5.55.5 6.55.5 6.55.0 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 4.5	3.5 4.0 5.0 5.0 4.5 5.5 4.0 4.5 5.0	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 9.5 8.5	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0	8.0 7.5 6.5 6.0 7.0 7.5 8.5 9.0 8.0	5.5 6.0 6.0 6.0 6.0 6.0 4.5 4.5 4.0	5.0 5.0 5.5 5.5 5.5 5.5 5.3 4.0 4.0 3.5 3.0 2.5	5.0 5.5 6.0 5.5 5.5 5.5 4.0 4.0 3.5 3.5 3.0
1 2 3 4 5 6 7 8 9 10	4.5 5.0 5.5 5.5 6.5 4.5 5.6 6.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 5.0 5.0	3.5 4.0 5.0 4.5 5.5 4.0 4.5 5.0 5.0 6.5	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0	JULY  9.0 9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 9.5 8.5 7.5 7.5	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 9.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 7.5 8.0	8.0 7.5 7.5 6.0 7.0 7.5 8.5 9.0 8.0 7.5	5.5 6.0 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0	5.0 5.0 5.5 5.5 5.5 5.5 5.3 4.0 4.0 3.5 3.0 3.0 2.5 2.5	5.0 5.5 6.0 5.5 5.5 4.5 4.0 4.0 3.5 3.5 3.0 3.0
1 2 3 4 5 6 7 8 9 10	4.5.0 5.05.5 5.55.5 6.55.5 6.55.0 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 4.5	3.5 4.0 5.0 5.0 4.5 5.5 4.0 4.5 5.0	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 9.5 8.5	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0	8.0 7.5 6.5 6.0 7.0 7.5 8.5 9.0 8.0	5.5 6.0 6.0 6.0 6.0 6.0 4.5 4.5 4.0	5.0 5.0 5.5 5.5 5.5 5.5 5.3 4.0 4.0 3.5 3.0 2.5	5.0 5.5 6.0 5.5 5.5 5.5 4.0 4.0 3.5 3.5 3.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	4.5 5.0 5.5 5.5 6.5 4.5 5.0 6.5 6.5 5.0 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 4.5 5.0 5.0 4.5 5.0 5.0	3.5 4.0 5.0 5.0 4.5 5.5 4.0 4.5 5.5 4.0 5.0 4.5	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5	JULY  9.0 9.0 9.0 8.0 8.0 7.5 7.5 7.5 7.5 7.5 8.0 7.0 7.5 7.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 9.0 8.5 7.5 7.5 8.0	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 10.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 8.0 9.0	8.0 7.5 7.5 6.0 7.0 7.5 8.5 9.0 8.0 9.0 9.5 9.0	5.5 6.0 6.0 6.0 6.0 4.5 4.0 4.0 4.0 4.5 5.5	5.0 5.0 5.5 5.5 5.5 5.5 5.0 4.0 4.0 3.5 3.0 3.0 2.5 2.5 3.0	5.0 5.5 6.0 5.5 5.5 4.5 4.0 4.0 3.5 3.5 3.0 3.5 4.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	4.5 5.0 5.5 5.5 6.5 4.5 6.0 6.5 6.5 6.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 4.5 5.0 5.0 5.5	3.5 4.0 5.0 5.0 4.5 5.5 4.5 5.0 5.0 5.0 5.0 7.0	11.0 11.5 10.5 9.0 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.6 8.5 8.5	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 7.5 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.0 8.5 10.0 10.0	7.0 7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 7.5 8.0 9.0 9.0	8.0 7.5 6.5 6.0 7.0 7.5 8.0 7.5 8.0 9.0 9.5 9.0	5.5 6.0 6.0 6.0 6.0 5.0 4.5 4.5 4.0 4.0 4.0 4.5 5.5	5.0 5.0 5.5 5.5 5.5 5.5 5.3 3.0 4.0 3.5 3.0 2.5 3.0 4.0	5.0 5.5 6.0 5.5 5.5 4.5 4.0 3.5 3.5 3.0 3.5 4.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	4.5 5.0 5.5 5.5 6.5 4.5 6.5 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 5.0 5.0 5.0 7.0	3.5 4.0 5.0 5.0 4.5 5.5 4.0 5.5 4.0 5.0 5.0 7.0 8.0	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5 8.5	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 7.5 7.5 7.0 6.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 7.5 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 9.0 9.0 8.0 7.5 7.5	8.0 7.5 7.5 6.0 7.0 7.5 8.5 9.0 9.0 9.5 9.0 9.5 9.5	5.5 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0 4.0 4.5 5.5	5.0 5.0 5.5 5.5 5.5 5.5 5.5 3.0 4.0 4.0 3.5 3.0 2.5 2.5 3.0 4.0	5.0 5.5 6.5 5.5 5.5 4.0 4.0 3.5 3.5 3.0 3.5 4.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	4.5 5.0 5.5 5.5 6.5 5.5 6.5 6.5 6.5 6.5 6.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 4.5 5.0 5.0 5.0 7.0 8.0	3.5 4.0 5.0 5.0 4.5 5.5 4.5 5.0 5.0 5.0 5.0 5.0 5.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	11.0 11.5 10.5 9.0 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5 8.5 8.5	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 8.5 7.5 8.0 8.0 7.5 8.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 8.5	7.0 7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 7.5 8.0 9.0 9.0	8.0 7.5 6.5 6.0 7.0 7.5 8.0 7.5 8.0 9.5 9.0 9.5 9.0 8.5 7.5	5.5 6.0 6.0 6.0 6.0 5.0 4.5 4.0 4.0 4.0 4.0 5.5 5.5	SEPTEMBE 5.0 5.0 5.5 5.5 5.5 5.0 4.0 3.5 3.0 3.0 2.5 3.0 4.0 3.5 3.0 4.0	5.0 5.5 6.0 5.5 5.5 4.5 4.0 3.5 3.5 3.0 3.5 4.5 4.0 3.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	4.5 5.0 5.5 5.5 6.5 4.5 6.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 4.5 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	3.5 4.0 5.0 5.0 4.5 5.5 4.0 5.5 4.5 5.0 7.0 8.0 8.0 8.0 9.0	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5 8.5 8.0 8.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 7.5 8.0 8.0 8.0 8.5	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 9.0 9.0 8.0 7.5 7.5 8.0	8.0 7.5 6.5 6.0 7.0 7.5 8.0 8.0 7.5 9.0 9.5 9.0 9.5 7.0	5.5 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0 4.5 5.5 5.5	5.0 5.0 5.5 5.5 5.5 5.5 5.5 5.0 4.0 4.0 3.5 3.0 2.5 2.5 3.0 4.0	5.0 5.5 6.0 5.5 5.5 5.5 4.0 4.0 3.5 4.0 3.5 4.0 3.5 4.0 5.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	4.5 5.0 5.5 5.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 9.0 9.0 9.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 4.5 5.0 5.0 6.0 6.0 6.0 8.0 8.0	3.50 4.00 5.00 4.5 5.55 4.50 5.05 4.50 5.05 4.50 7.00 8.00 8.50 9.0	11.0 11.5 10.5 9.0 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5 8.5 8.5 8.5	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 7.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 8.5 7.5 8.0 8.0 7.5 8.0 8.0 7.5 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 8.5 7.5 7.5	7.0 7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 7.5 8.0 9.0 9.0 9.0	8.0 7.55 6.5 6.0 7.0 7.5 8.0 7.5 9.0 9.5 9.0 9.5 9.0 7.5 7.0 7.5	5.5 6.0 6.0 6.0 6.0 5.0 4.5 4.5 4.0 4.0 4.0 4.5 5.5 5.5	SEPTEMBE 5.0 5.0 5.5 5.5 5.5 5.0 4.0 3.5 3.0 3.0 2.5 3.0 4.0 3.5 3.5 4.5 3.5	5.0 5.5 6.0 5.5 5.5 4.5 4.0 3.5 3.5 3.0 3.5 4.5 4.0 3.5 4.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	4.5 5.0 5.5 5.5 6.5 4.5 6.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 4.5 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	3.5 4.0 5.0 5.0 4.5 5.5 4.0 5.5 4.5 5.0 7.0 8.0 8.0 8.0 9.0	11.0 11.5 10.5 9.0 8.5 8.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5 8.5 8.0 8.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 7.5 8.0 8.0 8.0 8.5	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 9.0 9.0 8.0 7.5 7.5 8.0	8.0 7.5 6.5 6.0 7.0 7.5 8.0 8.0 7.5 9.0 9.5 9.0 9.5 7.0	5.5 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0 4.5 5.5 5.5	5.0 5.0 5.5 5.5 5.5 5.5 5.5 5.0 4.0 4.0 3.5 3.0 2.5 2.5 3.0 4.0	5.0 5.5 6.0 5.5 5.5 5.5 4.0 4.0 3.5 4.0 3.5 4.0 3.5 4.0 5.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	4.5 5.0 5.5 5.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 9.0 9.0 9.5 10.0 11.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 4.5 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	3.5 4.0 5.0 5.0 4.5 5.5 4.5 5.0 5.5 6.0 5.5 4.5 5.0 7.0 8.0 8.5 9.0 9.5 10.0 9.5 10.0	11.0 11.5 10.5 9.0 8.5 9.5 9.0 9.0 8.5 7.5 8.5 8.5 8.5 8.6 8.0 8.0 8.5 8.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 7.5 8.0 8.0 8.5	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.5	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.5 7.5 7.5 7.5 7.5	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 7.5 8.0 9.0 9.0 8.0 7.5 7.0 6.5	8.0 7.55 6.5 6.0 7.0 7.55 9.0 8.0 7.5 9.0 9.5 9.0 7.0 7.5 6.0 7.5 6.0 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	5.5 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0 4.0 4.5 5.5 4.0 5.5 5.5 5.5	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.0 4.0 3.5 3.0 2.5 3.0 4.0 3.5 3.5 4.5 4.5 3.5 4.5	5.0 5.5 5.5 5.5 4.5 4.0 3.5 3.5 3.0 3.5 4.5 4.0 3.5 4.5 4.0 3.5 4.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	4.5 5.0 5.5 5.5 6.5 4.5 6.0 6.5 5.0 6.5 5.0 6.5 5.0 6.5 5.5 5.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.0 3.5 4.5 5.0 5.0 6.0 8.0 8.0 8.0 8.0 8.5 9.0	3.5 4.0 5.0 5.0 4.5 5.5 4.0 5.5 4.5 5.0 5.5 4.5 7.0 8.0 8.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	11.0 11.5 10.5 9.0 8.5 9.5 10.5 9.5 10.5 9.0 9.0 8.5 7.5 8.0 8.5 8.5 8.5 8.5	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 8.0 8.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 7.5 7.5 8.0 8.0 8.0 8.5 8.0	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.0 8.5 7.5 7.5 7.5	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 9.0 9.0 8.0 7.5 7.5 8.0 9.0	8.0 7.5 6.5 6.0 7.5 8.0 7.5 8.0 8.0 7.5 9.0 9.0 9.0 7.0 7.0 7.5 6.5	5.5 6.0 6.0 6.0 6.0 4.5 4.0 4.0 4.0 4.5 5.5 4.0 5.5 5.5 5.0 5.0 5.0 5.0	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.0 4.0 4.0 3.5 3.0 2.5 3.0 4.0 3.5 4.5 4.5 3.5 5.5	5.0 5.5 6.0 5.5 5.5 5.5 4.0 4.0 3.5 3.5 3.0 3.5 4.0 5.0 5.0 5.0 5.5 5.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26	4.5 5.0 5.5 5.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 9.0 9.0 9.5 10.0 11.0 10.5 10.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	3.5 4.0 5.0 5.0 4.5 5.5 4.5 5.0 5.5 6.0 5.5 4.5 7.0 8.0 8.5 9.0 9.5 10.0 9.5 10.0 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	11.0 11.5 10.5 9.0 8.5 9.5 9.0 9.0 8.5 7.5 8.5 8.5 8.5 8.0 8.0 8.5 8.0 8.5 8.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 8.0 8.0 8.5 8.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.0 8.5 7.5 7.5 7.5 7.5 7.5	7.0 7.0 7.0 6.0 5.0 6.5 7.5 7.5 8.0 8.0 7.5 7.5 8.0 9.0 9.0 6.5	8.0 7.5 6.0 7.0 7.5 8.0 7.5 8.0 7.5 8.0 9.5 9.0 7.0 7.0 7.0 7.5 6.5 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	5.5 6.0 6.0 6.0 6.0 5.0 4.5 4.5 4.0 4.0 4.0 4.0 5.5 5.5 5.5 5.5 5.0 6.0 6.0	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.5 5.0 4.0 3.5 3.0 3.0 2.5 3.0 4.0 3.5 3.5 4.5 4.5 3.5 1.5 1.0 2.0	5.0 5.5 5.5 5.5 5.5 4.0 4.0 3.5 3.5 3.0 3.5 4.5 4.0 3.5 4.5 4.0 5.0 5.0 5.0 5.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26 27	4.5 5.0 5.5 5.5 6.5 4.5 6.5 6.5 6.5 6.5 6.5 6.5 9.0 9.0 9.5 10.0 11.5 10.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 5.0 5.0 5.0 5.0 6.5 6.5 6.0 6.5 6.0 6.5 6.0 6.5 6.0 6.0 6.5 6.0 6.0 6.0 6.0 6.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	3.5 4.0 5.0 5.0 4.5 5.5 4.5 5.5 4.5 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	11.0 11.5 10.5 9.0 8.5 9.5 9.0 9.0 8.5 7.5 8.0 8.0 8.0 8.0 8.0 8.0 8.5 9.0 9.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 7.5 8.0 8.0 8.5 8.0 7.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 7.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.0 8.5 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 9.0 8.5 7.5 7.5 7.5 7.5 7.5 6.0 6.0	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 8.0 9.0 9.0 8.0 7.5 7.5 8.0 9.0 9.0	8.055556.0 7.5550 7.5550 8.0050 8.05555 8.00550 7.505555 5.5555555555555555555555	5.5 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0 4.0 5.5 5.5 5.5 5.5 5.5 3.0 3.5	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.0 4.0 3.5 3.0 3.0 2.5 2.5 3.0 4.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	5.0 5.5 6.0 5.5 5.5 5.5 4.0 3.5 4.0 3.5 4.0 3.5 4.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26	4.5 5.0 5.5 5.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 9.0 9.0 9.5 10.0 11.0 10.5 10.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	3.5 4.0 5.0 5.0 4.5 5.5 4.0 5.5 5.5 4.0 5.5 5.0 5.5 5.0 5.5 5.0 5.0 5.0 5.0 5	11.0 11.5 10.5 9.0 8.5 9.5 9.0 9.0 8.5 7.5 8.5 8.5 8.5 8.0 8.0 8.5 8.0 8.5 8.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 8.0 8.0 8.5 8.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.0 8.5 7.5 7.5 7.5 7.5 7.5	7.0 7.0 7.0 6.0 5.0 6.5 7.5 7.5 8.0 8.0 7.5 7.5 8.0 9.0 9.0 6.5	8.0 7.5 6.0 7.0 7.5 8.0 7.5 8.0 7.5 8.0 9.5 9.0 7.0 7.0 7.0 7.5 6.5 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	5.5 6.0 6.0 6.0 6.0 5.0 4.5 4.5 4.0 4.0 4.0 4.0 5.5 5.5 5.5 5.5 5.0 6.0 6.0	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.0 4.0 4.0 3.5 3.0 3.5 4.5 4.5 1.5 1.0 2.0 2.5 1.5	5.0 5.5 5.5 5.5 5.5 4.0 4.0 3.5 3.5 3.0 3.5 4.5 4.0 3.5 4.5 4.0 5.0 5.0 5.0 5.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 20 30 30 30 30 30 30 30 30 30 30 30 30 30	4.5 5.0 5.5 5.5 6.5 6.5 5.5 6.0 6.5 5.5 6.5 6.5 9.0 9.0 9.5 10.0 11.5 10.5 10.5 10.5 11.5	JUNE 3.0 3.5 4.5 4.0 5.0 4.5 4.5 4.5 4.5 5.0 5.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	3.50 4.00 5.00 4.5 5.55 4.55 5.00 5.55 5.00 5.05 5.00 5.05 5.00 5.05 5.00 5 5 5 5	11.0 11.5 10.5 9.0 8.5 9.5 9.0 9.0 8.5 7.5 8.0 8.0 8.0 8.0 8.0 8.5 9.0 9.0 9.0 9.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 7.0 8.0 8.0 8.0 8.0 8.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 7.5 8.0 8.0 7.5 8.0 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.0 8.5 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 9.0 9.5 9.0 8.5 10.0 9.0 8.5 7.5 7.5 7.5 7.5 6.0 5.5 5.5 5.5	7.0 7.0 7.0 6.0 5.0 6.5 7.5 8.0 8.0 7.5 8.0 9.0 9.0 8.0 7.5 7.5 8.0 9.0 9.0 4.5	8.055556.0 7.55500 7.55500 8.0050 8.0050 8.0050 8.0050 7.005555 5.55555 5.55555	5.5 6.0 6.0 6.0 6.0 4.5 4.5 4.0 4.0 4.0 5.5 5.5 5.5 5.5 5.5 5.5 5.0 3.0 3.0 2.5 1.5 1.5	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.0 4.0 3.5 3.0 3.0 2.5 3.0 4.0 3.5 3.0 3.5 4.5 1.5 1.0 2.5 1.5 1.0	5.0 5.5 6.0 5.5 5.5 4.5 4.0 3.5 4.0 3.5 4.0 3.5 4.0 5.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	4.5 5.0 5.5 5.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 9.0 9.0 9.5 10.0 11.0 10.5 10.5 10.5	JUNE 3.0 3.5 4.5 4.5 4.0 5.0 4.5 4.5 4.5 5.0 6.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	3.50 4.00 5.00 4.5 5.55 4.50 5.55 4.50 7.00 8.00 8.50 9.00 9.50 10.00 9.50 10.00 9.50 9.50 9.50 9.50 9.50 9.50 9.50	11.0 11.5 10.5 9.0 8.5 9.5 9.0 9.0 8.5 7.5 8.5 8.5 8.5 8.0 8.0 8.5 8.0 8.5 9.0 9.0 9.0	JULY  9.0 9.0 8.0 8.0 7.5 7.5 7.5 8.0 7.0 6.5 7.5 7.5 7.5 7.5 7.5 8.0 8.0 8.5 8.0 8.0 8.0 8.0	10.0 10.0 9.5 8.5 8.0 8.5 9.0 8.5 8.5 7.5 8.0 8.0 7.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.5 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	9.0 8.5 8.0 7.0 7.0 8.5 8.5 9.0 9.5 9.0 8.5 10.0 10.0 9.0 9.0 8.5 7.5 7.5 7.5 7.5 7.5 7.5 6.0 5.5 5.5	7.0 7.0 7.0 6.0 5.0 6.5 7.5 7.5 8.0 9.0 9.0 8.0 7.5 7.0 6.5 7.0 6.5 7.5 7.0 6.5	8.0 7.5 6.0 7.5 6.0 7.5 8.0 7.5 8.0 7.5 8.0 9.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	5.5 6.0 6.0 6.0 6.0 5.0 4.5 4.5 4.0 4.0 4.0 4.0 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5	SEPTEMBE  5.0 5.0 5.5 5.5 5.5 5.0 4.0 3.5 3.0 3.0 2.5 3.0 4.0 3.5 4.5 4.5 3.5 1.5 1.0 2.0 2.5 1.5 1.5	5.0 5.5 5.5 5.5 4.5 4.0 3.5 3.5 3.0 3.5 4.5 4.0 3.5 4.5 4.0 5.0 5.0 5.0 5.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6

## 15303900 KUSKOKWIM RIVER AT LISKYS CROSSING NEAR STONY RIVER

LOCATION.--Lat  $62^{\circ}02'51''$ , long  $156^{\circ}12'42''$ , in NE $^{1}/_{4}$  SE $^{1}/_{4}$  sec. 27, T. 23 N., R. 38 W. (Iditarod A-1 quad), Hydrologic Unit 19030405, on the downstream point of the first channel island located 0.25 mi above Lisky's house site (historic, house since destroyed), 22 mi northeast of the village of Stony River.

PERIOD OF RECORD. -- May 1996 to current year (no winter record).

GAGE.--Water-stage recorder. Elevation of gage is 250 ft above sea level from topographic map.

REMARKS. -- GOES satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed 33.80 ft, July 11, 1998, but may have been higher during a period of missing record. Minimum gage height observed 22.94 ft, October 11, 1997, but may have been lower during a period of missing record.

EXTREMES FOR CURRENT PERIOD.--October 1-13, 2000, June 7 to September 30 2001; Maximum gage height 32.89 ft, August 21; minimum gage height 24.95 ft, September 22.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

					DA:	ILY MEAN	VALUES					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.37									28.15	30.77	28.96
2	28.75									28.14	30.65	28.61
3	28.18									28.05	30.99	28.33
4	27.70									28.17	31.22	28.10
5	27.25									28.02	31.01	27.87
6	26.98									27.87	30.64	27.63
7	26.65								29.02	27.96	30.19	27.55
8	26.47								29.09	27.92	29.73	27.73
9	26.31								29.06	27.89	29.12	27.88
10	26.09								29.05	27.98	28.67	27.73
11	25.81								29.15	27.88	28.39	27.37
12	25.55								29.03	27.68	28.23	27.03
13	25.47								28.65	27.46	28.06	26.85
14									28.45	27.48	27.95	26.57
15									28.32	27.69	27.80	26.34
16									28.21	27.85	27.99	26.10
17									28.14	27.81	28.23	26.00
18									28.08	27.68	29.12	25.84
19									27.83	27.67	30.83	25.61
20									27.89	27.83	32.32	25.46
21									27.83	28.03	32.79	25.33
22									28.08	28.37	32.83	25.26
23									28.31	28.89	32.59	25.37
24									28.36	29.51	32.27	25.43
25									28.38	29.76	32.01	25.44
26									28.38	29.92	31.64	25.62
27									28.45	30.08	31.21	25.65
28									28.55	30.12	30.90	25.52
29									28.55	30.23	30.47	25.43
30									28.35	30.62	29.89	25.35
31										30.93	29.38	
MEAN										28.50	30.25	26.60
MAX										30.93	32.83	28.96
MIN										27.46	27.80	25.26
7.1 T.T.A										27.10	27.00	23.20

# 15304000 KUSKOKWIM RIVER AT CROOKED CREEK

LOCATION.--Lat  $61^{\circ}52'16''$ , long  $158^{\circ}06'03''$ , in  $NE^{1}_{/4}$  Nec $^{1}_{/4}$  sec. 32, T. 21 N., R. 48 W. (Sleetmute D-6 quad), Hydrologic Unit 19030501, on right bank at village of Crooked Creek, 0.1 mi upstream from Crooked Creek.

DRAINAGE AREA. -- 31,100 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--June 1951 to September 1994, October 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 200 ft above sea level, from topographic map. Prior to August 6, 1977, non-recording gage at site 1,600 ft upstream at same datum. From August 6, 1977, to September 30, 1991, water-stage recorder at site 2,300 ft upstream at same datum. From October 1, 1991 to September 30, 1994, and October 1, 1995 to August 7, 1997 non-recording gage.

REMARKS.--Records good except for estimated daily discharges, which are poor. 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 2 3 4 5	76300 71300 67300 63800 60700	e29000 e28000 e28000 e27000 e27000	e22000 e21000 e21000 e21000 e21000	e16000 e16000 e16000 e16000	e12000 e12000 e12000 e12000 e12000	e11000 e11000 e11000 e11000	e9000 e9000 e9000 e9000	e30000 e30000 e28000 e27000 e27000	116000 113000 113000 113000 112000	75400 73300 71300 69500 68600	96700 97500 94000 91800 89800	81200 78100 74600 72200 71400
6 7 8 9 10	58700 57200 55200 52900 50600	e26000 e26000 e25000 e25000 e25000	e20000 e20000 e20000 e20000 e19000	e15000 e15000 e15000 e15000 e15000	e12000 e12000 e12000 e12000 e12000	e10000 e10000 e10000 e10000	e9500 e9500 e9500 e9500 e9500	e27000 e27000 e28000 e30000 e36000	114000 115000 117000 119000 118000	68100 68000 66600 64200 61900	85300 80700 76300 71700 68100	71800 74200 75500 73700 71600
11 12 13 14 15	48800 47600 46100 44400 41500	e27000	e19000 e20000 e20000 e20000 e20000	e15000 e15000 e15000 e15000 e14000	e12000 e12000 e12000 e12000 e12000	e10000 e10000 e10000 e10000	e9500 e9500 e10000 e10000	e42000 e55000 e60000 e70000 e75000	117000 116000 115000 112000 108000	61200 61700 63100 64200 64700	65300 62900 61000 60500 60200	69000 65700 62900 60400 58300
16 17 18 19 20	40900 40400 38800 39100 37500	e27000	e19000 e19000 e19000 e20000 e19000	e14000 e14000 e14000 e14000 e14000	e11000 e11000 e11000 e11000 e11000	e10000 e10000 e10000 e10000 e10000	e10000 e11000 e11000 e11000 e12000	e80000 e90000 e100000 e110000 118000	104000 99100 94000 89000 86300	64900 65500 67000 69400 70500	62600 70600 82500 90500 104000	56000 54200 52700 51000 49900
21 22 23 24 25	36300 e36000 e34000 e34000 e32000	e25000 e25000 e24000 e24000 e24000	e18000 e18000 e18000 e18000 e17000	e14000 e14000 e14000 e13000 e13000	e11000	e9500 e9500 e9500 e9500	e13000 e14000 e16000 e17000 e18000	122000 124000 123000 122000 121000	85700 85700 85800 86300 86300	72000 76100 79500 82600 87700	116000 122000 120000 114000 107000	48400 47300 46500 45600 44600
26 27 28 29 30 31	e32000 e32000 e30000 e30000 e30000 e29000	e23000 e23000 e23000 e22000 e22000	e17000 e17000 e17000 e17000 e17000 e16000	e13000 e13000 e13000 e13000 e13000 e13000	e11000 e11000 e11000	e9500 e9500 e9500 e9500 e9500	e20000 e21000 e23000 e26000 e28000	121000 119000 119000 120000 120000 119000	85400 83300 81000 79300 77300	90900 92900 95200 95300 92500 92400	103000 101000 96000 91900 86900 83000	43600 42800 42500 42400 41000
MEAN MAX MIN	1394400 44980 76300 29000 2766000 1.45 1.67	768000 25600 29000 22000 1523000 .82 .92	590000 19030 22000 16000 1170000 .61 .71	14350 16000 13000 882700	323000 11540 12000 11000 640700	309500 9984 11000 9500 613900 .32 .37	392500 13080 28000 9000 778500 .42 .47	2420000 78060 124000 27000 4800000 2.51 2.89	100900 119000 77300	2296200 74070 95300 61200 4555000 2.38 2.75	87510 122000 60200	58970 81200 41000
					N DATA FOR	R WATER Y	YEARS 195	1 - 2001,	BY WATER	YEAR (WY	)#	
MEAN MAX (WY) MIN (WY)	44350 102000 1994 22650 1979	21300 36400 1991 12730 1981	15290 25000 1962 10000 1957	13020 22450 1991 8400 1966	11640 20710 1991 6900 1966	10720 19550 1991 6100 1966	14500 41000 1967 8600 1953	79880 161700 1957 22130 1964	235100 1964 33880	119500 1980 40910	169800 1963 41840	150900 3 1951 3 30550
SUMMAR	STATIST	ICS	FOR	2000 CALE	NDAR YEAR	1	FOR 2001	WATER YEA	R	WATER	YEARS 19	51 - 2001#
ANNUAI ANNUAI HIGHES LOWEST	L TOTAL L MEAN ST ANNUAL C ANNUAL 1	MEAN MEAN		14941200 40820			16447000 45060			42290 62120 28600		1963 1997
HIGHES LOWEST ANNUAL MAXIMU MAXIMU	ST DAILY N DAILY M SEVEN-D JM PEAK F JM PEAK S	MEAN EAN AY MINIMU! LOW FAGE	М	110000 a9600 9600	May 3 Mar 16 Mar 16		124000 b9000 9140 125000 11.	May 22 Apr 3 Mar 30 May 23 49 May 23	2 L ) 3 3	391000 c6100 6100 392000	Jun Mar Mar Jun	5 1964 1 1966 1 1966 5 1964
MAXIMU INSTAN ANNUAI ANNUAI ANNUAI 10 PER 50 PER	JM PEAK S' JTANEOUS : RUNOFF RUNOFF CENT EXC	FAGE LOW FLOW (AC-FT) (CFSM) (INCHES) EEDS EEDS		29640000 1.3 17.8 78500 32000 9800	31 37		d12.332620000 1.4 19.4 102000 28000 10000	70 May 1° 45 67	3	f25.7 6100 80640000 1.3 18.4 94000 26000	74 Jun Mar 86 18	1963 1997 5 1964 1 1966 1 1966 5 1964 5 1964 1 1966

See Period of Record, partial years used in monthly computations

See Period of Record, partial years Mar. 1-31, 1966
Mar. 16 to Mar. 31
From floodmarks, backwater from ice Apr. 1 to Apr. 5
Estimated

From floodmarks, backwater from ice, at different site, same datum

#### 15304060 KUSKOKWIM RIVER AT ANIAK

LOCATION.--Lat  $61^{\circ}35'14''$ , long  $159^{\circ}32'54''$ , in  $SE^{1}/_{4}$   $SE^{1}/_{4}$  sec. 2, T. 17 N., R. 57 W. (Russian Mission C-2 quad), Hydrologic unit 19030502, on the left bank near the NW corner of the west end of the runway in the village of Aniak.

#### WATER-STAGE RECORDS

PERIOD OF RECORD. -- May 1996 to present (no winter record).

GAGE.--Water-stage recorder. A supplementary stage gage was installed April 23, 1998 approximately 1 mi upstream from gage of record. This gage records water elevation at the Aniak city dike system during ice break-up events. Elevation of the gage is 75 ft above sea level from topographic map.

REMARKS.--GOES satellite telemetry at station. Supplementary stage records are available from the computer files of the Alaska District.

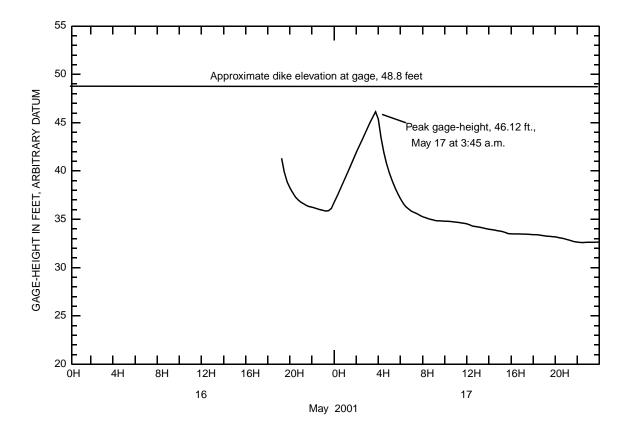
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed 26.55 ft, July 12,1998, but may have been higher during periods of missing record. Minimum gage height observed 15.33 ft, October 12, 1997, but may have been lower during periods of missing record.

EXTREMES FOR CURRENT PERIOD.--October 1-29, 2000 and June 5 to September 30, 2001: Maximum gage height observed 24.11 ft, June 9, but may have been higher during periods of missing record. Minimum gage height observed 14.37 ft, Oct. 27, but may have been lower during periods of missing record.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001 DAILY MEAN VALUES

DAY         OCT         NOV         DEC         JAN         FEB         MAR         APR         MAY         JUN         JUL         AUG         SEP           1         18.74               20.01         20.84         20.62           2         18.31              19.66         20.75         20.75           3         17.96              19.66         20.93         20.40           4         17.68              19.55         20.68         20.12           5         17.48              23.24         19.44         20.51         19.94           6         17.30             23.41         19.33         20.28         19.90           7         17.12             23.59         19.24         19.97         20.12         29         16.77													
2       18.31          19.83       21.05       20.75         3       17.96          19.66       20.93       20.40         4       17.68           19.55       20.68       20.12         5       17.48           23.24       19.44       20.51       19.94         6       17.30           23.59       19.24       19.97       20.00         8       16.92          23.82        19.65       20.12         9       16.77          23.97        19.01       19.80         10       16.64           23.77       18.70       18.74       19.61         12       16.28           23.60       18.77       18.52       19.36         13       16.03          23.40       18.90       18.35       19.86         15 </td <td>DAY</td> <td>OCT</td> <td>NOV</td> <td>DEC</td> <td>JAN</td> <td>FEB</td> <td>MAR</td> <td>APR</td> <td>MAY</td> <td>JUN</td> <td>JUL</td> <td>AUG</td> <td>SEP</td>	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
3       17.96           19.66       20.93       20.40         4       17.68           19.55       20.68       20.12         5       17.48           23.24       19.44       20.51       19.94         6       17.30           23.41       19.33       20.28       19.90         7       17.12           23.59       19.24       19.97       20.00         8       16.92           23.82        19.65       20.12         9       16.77           23.82        19.32       20.01         10       16.64           23.77       18.70       18.74       19.61         12       16.28           23.77       18.70       18.74       19.61         15       15.87	1	18.74									20.01	20.84	20.62
4       17.68           19.55       20.68       20.12         5       17.48           23.24       19.44       20.51       19.94         6       17.30           23.45       19.33       20.28       19.90         8       16.92          23.82        19.65       20.12         9       16.77          23.97        19.32       20.01         10       16.64           23.97        19.32       20.01         11       16.47           23.77       18.70       18.74       19.61         13       16.03            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.66         15       15.61	2	18.31									19.83	21.05	20.75
5       17.48           23.24       19.44       20.51       19.94         6       17.30            23.41       19.33       20.28       19.90         7       17.12            23.59       19.24       19.97       20.00         8       16.92           23.82        19.65       20.12         9       16.77           24.07        19.32       20.01         10       16.64           23.97        19.02       19.80         11       16.47           23.77       18.70       18.74       19.61         13       16.03           23.60       18.77       18.52       19.36         15       15.87           23.11       18.99       18.25       18.86         16       15.61 <td>3</td> <td>17.96</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>19.66</td> <td>20.93</td> <td>20.40</td>	3	17.96									19.66	20.93	20.40
5       17.48           23.24       19.44       20.51       19.94         6       17.30            23.41       19.33       20.28       19.90         7       17.12            23.59       19.24       19.97       20.00         8       16.92           23.82        19.65       20.12         9       16.77           24.07        19.32       20.01         10       16.64           23.97        19.02       19.80         11       16.47           23.77       18.70       18.74       19.61         13       16.03           23.60       18.77       18.52       19.36         15       15.87           23.11       18.99       18.25       18.86         16       15.61 <td>4</td> <td>17.68</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>19.55</td> <td>20.68</td> <td>20.12</td>	4	17.68									19.55	20.68	20.12
7       17.12          23.59       19.24       19.97       20.00         8       16.92           23.82        19.65       20.12         9       16.77           24.07        19.01       19.80         11       16.64           23.77       18.70       18.74       19.61         12       16.28           23.60       18.77       18.52       19.36         13       16.03           23.40       18.90       18.35       19.09         14       15.96           23.11       18.99       18.25       18.86         15       15.87           23.11       18.99       18.25       18.86         16       15.61            22.45       19.07       18.41       18.44         17       15.45	5	17.48								23.24	19.44		19.94
7       17.12          23.59       19.24       19.97       20.00         8       16.92           23.82        19.65       20.12         9       16.77           24.07        19.01       19.80         11       16.64           23.77       18.70       18.74       19.61         12       16.28           23.60       18.77       18.52       19.36         13       16.03           23.40       18.90       18.35       19.09         14       15.96           23.11       18.99       18.25       18.86         15       15.87           23.11       18.99       18.25       18.86         16       15.61            22.45       19.07       18.41       18.44         17       15.45	_	15 20								00 41	10.00		10.00
8       16.92           19.65       20.12         9       16.77           19.32       20.01         10       16.64           19.01       19.80         11       16.47           23.97       18.70       18.74       19.61         12       16.28            23.60       18.77       18.52       19.35       19.09         14       15.96            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.77       19.03       18.41       18.44         17       15.45 <td></td>													
9       16.77           19.32       20.01         10       16.64           23.97        19.01       19.80         11       16.47             19.01       19.80         12       16.28             23.60       18.77       18.52       19.36         13       16.03            23.40       18.90       18.35       19.09         14       15.96           23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.41       18.44         17       15.45            22.45       19.07       18.41       18.44         18       15.39            22.16       19.14       19.44       18.09 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>													
10       16.64           19.01       19.80         11       16.47            23.77       18.70       18.74       19.61         12       16.28             23.60       18.77       18.52       19.36         13       16.03            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.77       19.03       18.41       18.44         17       15.45            22.16       19.14       18.23         18       15.39            22.16       19.14       19.44<													
11       16.47           23.77       18.70       18.74       19.61         12       16.28            23.60       18.77       18.52       19.36         13       16.03            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.77       19.03       18.41       18.46         17       15.45            22.45       19.07       18.41       18.44         18       15.39            22.16       19.14       18.70       18.23         18       15.39            22.1													
12       16.28            23.60       18.77       18.52       19.36         13       16.03            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.86         15       15.87           22.77       19.03       18.24       18.65         16       15.61           22.77       19.03       18.41       18.46         17       15.45           22.16       19.14       18.70       18.23         18       15.39           22.16       19.14       19.44       18.09         19       15.20            21.85       19.14       19.44       18.09         21       15.15            21.85       19.14       19.44 <t< td=""><td>10</td><td>16.64</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>23.97</td><td></td><td>19.01</td><td>19.80</td></t<>	10	16.64								23.97		19.01	19.80
13       16.03            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.45       19.07       18.41       18.44       18.44       18.49       18.70       18.23       18.24       18.41       18.44       18.44       18.44       18.44       18.70       18.23       18.24       18.41       18.44       18.44       18.44       18.44       18.44       18.44       18.29       18.24       18.24       18.24       18.24       18.24       18.24       18.24       18.44       18.44       18.44       18.44       18.44       18.44       18.44       18.44       18.29       18.24       18.24       18.44       18.44       18.44       18.29       18.24       18.24       18.24       18.24       18.24       18.24       18.24       18.24       18.24	11	16.47								23.77	18.70	18.74	19.61
13       16.03            23.40       18.90       18.35       19.09         14       15.96            23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.45       19.07       18.41       18.44       18.44       18.49       18.70       18.23       18.24       18.41       18.44       18.44       18.44       18.44       18.70       18.23       18.24       18.41       18.44       18.44       18.44       18.44       18.44       18.44       18.29       18.24       18.24       18.24       18.24       18.24       18.24       18.24       18.44       18.44       18.44       18.44       18.44       18.44       18.44       18.44       18.29       18.24       18.24       18.44       18.44       18.44       18.29       18.24       18.24       18.24       18.24       18.24       18.24       18.24       18.24       18.24	12	16.28								23.60	18.77	18.52	19.36
14       15.96            23.11       18.99       18.25       18.86         15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.45       19.07       18.41       18.44         17       15.45            22.16       19.14       18.70       18.23         18       15.39            21.85       19.14       19.44       18.09         19       15.20            21.51       19.26       20.21       17.94         20       15.22            21.23       19.53       21.00       17.67         22       15.15            21.03       19.75       22.84       17.57         23       15.06          <													
15       15.87            22.77       19.03       18.24       18.65         16       15.61            22.45       19.07       18.41       18.44         17       15.45            22.16       19.14       18.70       18.23         18       15.39            21.85       19.14       19.44       18.09         19       15.20            21.51       19.26       20.21       17.94         20       15.22            21.23       19.53       21.00       17.68         21       15.15            21.03       19.64       22.19       17.67         22       15.12            21.03       19.75       22.84       17.48         24       14.84          <													
16     15.61         22.45     19.07     18.41     18.44       17     15.45          22.16     19.14     18.70     18.23       18     15.39          21.85     19.14     19.44     18.09       19     15.20          21.51     19.26     20.21     17.94       20     15.22         21.23     19.53     21.00     17.68       21     15.15          21.03     19.64     22.19     17.67       22     15.12          21.03     19.75     22.84     17.57       23     15.06          20.99     19.96     22.91     17.48       24     14.84           20.99     20.33     22.03     17.28													
17     15.45          22.16     19.14     18.70     18.23       18     15.39          21.85     19.14     19.44     18.09       19     15.20          21.51     19.26     20.21     17.94       20     15.22          21.23     19.53     21.00     17.67       22     15.15          21.08     19.64     22.19     17.67       22     15.12          21.03     19.75     22.84     17.58       23     15.06          20.99     19.96     22.91     17.48       24     14.84           20.98     20.33     22.03     17.28	13	13.07								22.11	17.03	10.24	10.03
17     15.45          22.16     19.14     18.70     18.23       18     15.39          21.85     19.14     19.44     18.09       19     15.20          21.51     19.26     20.21     17.94       20     15.22          21.23     19.53     21.00     17.67       22     15.15          21.08     19.64     22.19     17.67       22     15.12          21.03     19.75     22.84     17.58       23     15.06          20.99     19.96     22.91     17.48       24     14.84           20.98     20.33     22.03     17.28	16	15 61								22 45	19 07	18 41	18 44
18     15.39         21.85     19.14     19.44     18.09       19     15.20          21.51     19.26     20.21     17.94       20     15.22         21.23     19.53     21.00     17.68       21     15.15         21.03     19.64     22.19     17.67       22     15.12          21.03     19.75     22.84     17.55       23     15.06         20.99     19.96     22.91     17.48       24     14.84          20.99     20.33     22.44     17.39       25     14.65           20.98     20.33     22.03     17.28													
19     15.20          21.51     19.26     20.21     17.94       20     15.22          21.23     19.53     21.00     17.68       21     15.15          21.08     19.64     22.19     17.67       22     15.12          21.03     19.75     22.84     17.55       23     15.06          20.99     19.96     22.91     17.48       24     14.84          21.00     20.13     22.44     17.39       25     14.65           20.98     20.33     22.03     17.28													
20       15.22            21.23       19.53       21.00       17.68         21       15.15            21.08       19.64       22.19       17.67         22       15.12           21.03       19.75       22.84       17.55         23       15.06            20.99       19.96       22.91       17.48         24       14.84            21.00       20.13       22.44       17.39         25       14.65            20.98       20.33       22.03       17.28													
21     15.15         21.08     19.64     22.19     17.67       22     15.12         21.03     19.75     22.84     17.55       23     15.06         20.99     19.96     22.91     17.48       24     14.84          21.00     20.13     22.44     17.39       25     14.65          20.98     20.33     22.03     17.28													
22     15.12          21.03     19.75     22.84     17.55       23     15.06          20.99     19.96     22.91     17.48       24     14.84          21.00     20.13     22.44     17.39       25     14.65          20.98     20.33     22.03     17.28	20	15.22								21.23	19.53	21.00	17.68
23	21	15.15								21.08	19.64	22.19	17.67
24       14.84            21.00       20.13       22.44       17.39         25       14.65            20.98       20.33       22.03       17.28	22	15.12								21.03	19.75	22.84	17.55
24       14.84            21.00       20.13       22.44       17.39         25       14.65            20.98       20.33       22.03       17.28	23	15.06								20.99	19.96	22.91	17.48
25 14.65 20.98 20.33 22.03 17.28	2.4	14 84								21 00	20 13	22 44	17 39
	23	11.05								20.50	20.55	22.03	17.20
	26	14.63								20.89	20.61	21.63	17.16
27 14.62 20.72 20.77 21.49 17.06		14.62									20.77	21.49	17.06
28 14.48 20.49 20.89 21.31 16.97	28	14.48								20.49	20.89	21.31	16.97
29 14.56 20.30 20.96 20.99 16.90	29	14.56								20.30	20.96	20.99	16.90
30 20.16 20.86 20.84 16.79	30									20.16	20.86	20.84	16.79
31 20.75 20.54	31										20.75	20.54	
MEAN 20.36 18.66	MEAN											20.36	18.66
MAX 22.91 20.75	MAX											22.91	20.75
MIN 18.24 16.79	MIN											18.24	16.79

#### 15304060 KUSKOKWIM RIVER AT ANIAK--Continued



River ice break-up hydrograph for Kuskokwim River at Dike (supplementary gage) at Aniak, 2001.

#### WATER-QUALITY RECORDS

PERIOD OF RECORD. -- Water years 1998 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1998 to current year (seasonal).

INSTRUMENTATION.--Electronic water temperature recorder set for 1-hour recording interval.

REMARKS.--Records represent water temperature from sensor within 0.5°C No water temperature record October 31-May 15 and July 8-9 when water level dropped below probe. No water temperature record from May 16-June 4 with probe broken by shifting ice. Partial water temperature record on Oct.30,July 8,10,16-17, and August 3. A temperature cross section on September 20 found a variation of 1.0°C. Temperature from the sensor could not be compared with the cross section average for the river on September 20 because of a faulty sensor probe. The sensor probe gave faulty temperature record from August 4-September 30 and was not used.

EXTREMES FOR PERIOD OF RECORD. --

WATER TEMPERATURE: Maximum recorded, 15.5°C, July 22-24, 1998, may have been higher during periods of missing record; minimum, 0.0°C, May 14-15, 1999.

EXTREMES FOR CURRENT YEAR. --

WATER TEMPERATURE: Maximum recorded, 14.5°C, July 28-29, August 1-2, may have been higher during periods of missing record; minimum recorded, 1.5°C, October 30, may have been lower during periods of missing record.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	STREAM WIDTH (FT) (00004)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	GAGE HEIGHT (FEET) (00065)	TEMPER- ATURE WATER (DEG C) (00010)	SAM- PLING METHOD, CODES (82398)
SEP						
20	1240	1600	10.0	17.38	7.5	10
20	1242	1600	300	17.38	8.5	10
20	1244	1600	600	17.38	8.5	10
20	1246	1600	900	17.38	8.5	10
20	1248	1600	1200	17.38	8.5	10

# 15304060 KUSKOKWIM RIVER AT ANIAK --Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER	2	N	OVEMBER		Di	ECEMBER			JANUARY	
1	5.5	5.5	5.5									
2 3	5.5 5.0	5.0 5.0	5.0 5.0									
4	5.0	5.0	5.0									
5	5.0	5.0	5.0									
6	5.0	5.0	5.0									
7 8	5.0 4.5	4.5 4.0	5.0 4.5									
9	4.5	4.0	4.0									
10	4.0	4.0	4.0									
11	4.0	3.5	4.0									
12	4.0	3.5	3.5									
13 14	3.5 3.5	3.5 3.5	3.5 3.5									
15	3.5	3.0	3.0									
16	3.0	3.0	3.0									
17	3.0	3.0	3.0									
18	3.0	3.0	3.0									
19 20	3.0 3.0	3.0 3.0	3.0 3.0									
21 22	3.0 2.5	2.5 2.5	2.5 2.5									
23	2.5	2.5	2.5									
24	2.5	2.0	2.0									
25	2.0	2.0	2.0									
26	2.0	2.0	2.0									
27	2.0	2.0	2.0									
28 29	2.0	2.0	2.0									
30	2.0	1.5										
31												
MONTH												
				RE, WATER								
DAY	MAX	MIN	'EMPERATUI MEAN	RE, WATER	(DEG. C)	, WATER	YEAR OCTOE	BER 2000 MIN	TO SEPTE	EMBER 2001 MAX	MIN	MEAN
DAY	MAX						MAX			MAX	MIN SEPTEMBEI	
1	MAX	MIN	MEAN	MAX 9.0	MIN JULY 8.5	MEAN 9.0	MAX 14.5	MIN AUGUST 13.0	MEAN 13.5	MAX		
1 2		MIN JUNE 	MEAN 	MAX 9.0 9.5	MIN JULY 8.5 9.0	MEAN 9.0 9.0	MAX 14.5 14.5	MIN AUGUST 13.0 13.5	MEAN 13.5 14.0	MAX	SEPTEMBEI 	R 
1		MIN JUNE	MEAN	9.0 9.5 10.0	MIN JULY 8.5 9.0 9.5	9.0 9.0 10.0	MAX 14.5	MIN AUGUST 13.0	MEAN 13.5	MAX	SEPTEMBEI	R 
1 2 3		MIN JUNE 	MEAN  	MAX 9.0 9.5	MIN JULY 8.5 9.0	MEAN 9.0 9.0	MAX 14.5 14.5	MIN AUGUST 13.0 13.5 13.0	MEAN 13.5 14.0	MAX	SEPTEMBEI  	 
1 2 3 4	  	MIN JUNE  	MEAN   	9.0 9.5 10.0 9.5	MIN JULY 8.5 9.0 9.5 8.5	9.0 9.0 9.0 10.0 9.5	MAX 14.5 14.5	MIN AUGUST 13.0 13.5 13.0	13.5 14.0	MAX	SEPTEMBEI   	  
1 2 3 4 5	9.5 9.5	MIN JUNE 9.0 9.0 8.5	MEAN 9.0 9.0 9.0	9.0 9.5 10.0 9.5 8.5 9.0 10.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5	9.0 9.0 9.0 10.0 9.5 8.0 8.0 9.5	MAX 14.5 14.5	MIN AUGUST  13.0 13.5 13.0	13.5 14.0 	MAX	SEPTEMBEI	   
1 2 3 4 5	  9.5 9.5 9.5 8.5	MIN  JUNE 9.0 9.0 8.5 7.5	MEAN 9.0 9.0 9.0 8.0	9.0 9.5 10.0 9.5 8.5 9.0	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0	9.0 9.0 10.0 9.5 8.0 9.5	MAX 14.5 14.5	MIN AUGUST 13.0 13.5 13.0	13.5 14.0 	MAX	SEPTEMBEI	   
1 2 3 4 5	9.5 9.5	MIN JUNE 9.0 9.0 8.5	MEAN 9.0 9.0 9.0	9.0 9.5 10.0 9.5 8.5 9.0 10.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5	9.0 9.0 9.0 10.0 9.5 8.0 8.0 9.5	MAX 14.5 14.5	MIN AUGUST  13.0 13.5 13.0	13.5 14.0 	MAX	SEPTEMBEI	   
1 2 3 4 5 6 7 8 9	9.5 9.5 9.5 8.5 8.0 9.0	MIN JUNE 9.0 9.0 8.5 7.5 7.5 8.0	MEAN 9.0 9.0 9.0 8.0 7.5 8.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5 	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0	9.0 9.0 10.0 9.5 8.0 9.5	MAX 14.5 14.5	MIN AUGUST  13.0 13.5 13.0	13.5 14.0 	MAX	SEPTEMBEI	    
1 2 3 4 5 6 7 8 9 10	9.5 9.5 9.5 8.5 8.0 9.0	MIN  JUNE  9.0  9.0  8.5 7.5 7.5 8.0  9.0  9.0	MEAN  9.0  9.0 9.0 8.0 7.5 8.5 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0	9.0 9.0 10.0 15.8 8.0 8.0 9.5  8.5 8.5	MAX 14.5 14.5	MIN AUGUST  13.0 13.5 13.0	13.5 14.0 	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10	9.5 9.5 9.5 8.5 8.0 9.0	MIN JUNE 9.0 9.0 8.5 7.5 7.5 8.0 9.0 9.5 8.5	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.0 8.5	9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 8.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14	9.5 9.5 9.5 8.5 8.0 9.0	MIN JUNE 9.0 9.0 8.5 7.5 7.5 8.0 9.0 9.5 8.5 7.5	MEAN  9.0  9.0  9.0  9.0  8.0  7.5  8.5  9.5  9.5  9.5  9.8	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.0 9.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.0 8.5 9.0	9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 8.5 9.0	MAX 14.5 14.5	MIN AUGUST  13.0 13.5 13.0	13.5 14.0 	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	9.5 9.5 9.5 8.5 8.0 9.0	MIN  JUNE  9.0  9.0  8.5  7.5  7.5  8.0  9.0  9.5  8.5  7.5  7.5  8.5	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.5 9.5 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.0 9.5 9.5 9.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.0 8.5 9.0 9.5	9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 8.5 9.0 9.0	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	9.5 9.5 9.5 8.5 8.0 9.0 10.0 10.0 9.5 8.5 8.5	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 7.5 8.5 10.0	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.5 10.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 9.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.0 8.5 9.0 9.0 9.5	9.0 9.0 10.0 9.5 8.0 9.5  8.5 8.5 9.0 9.0 9.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 8.5 10.0 11.0	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 8.5 10.0 10.5	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.0 8.0 9.5 10.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.0 9.5 9.5 10.0	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 9.0 9.5 10.0	9.0 9.0 9.0 10.0 9.5 8.0 9.5  8.5 8.5 9.0 9.0 9.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	9.5 9.5 9.5 8.5 8.0 9.0 10.0 10.0 9.5 8.5 8.5	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 7.5 8.5 10.0	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.5 10.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 9.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.0 8.5 9.0 9.0 9.5	9.0 9.0 10.0 9.5 8.0 9.5  8.5 8.5 9.0 9.0 9.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 8.5 10.0 11.0 11.0	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.5 10.5	MEAN  9.0  9.0 9.0 9.0 8.0 7.5 8.5  9.5 9.0 8.0 9.5 10.5 11.0 11.0	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.0 9.5 9.5 10.0 11.5	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 10.0 11.0	9.0 9.0 9.0 10.0 9.5 8.0 9.5  8.5 8.5 9.0 9.0 9.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	9.5 9.5 9.5 8.5 8.0 9.0 10.0 10.0 9.5 8.5 10.0 11.0	MIN  JUNE  9.0  9.0  8.5  7.5  7.5  8.0  9.0  9.5  8.5  7.5  7.5  8.5  10.0  10.5	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.5 10.5 11.0	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 9.5 9.5 10.0 11.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 10.0	9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 9.0 9.0 9.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 10.0 11.0 11.0 11.5	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.5 10.5 10.5 11.5 12.0 12.0	MEAN  9.0  9.0 9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.1 1.0 11.0 11.0 11.5 12.0 12.0	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.0 11.5 11.5 11.5	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0	MEAN  9.0 9.0 9.0 10.0 9.5 8.0  8.0 9.5 8.5 8.5 9.0 9.0 9.5 10.5 11.5 11.5 11.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	9.5 9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 10.0 11.0 11.0 11.0 11.5	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.0 10.5 10.5 10.5 11.5 12.0 10.0	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 11.0 11.0 11.0 11.5 12.0 11.0	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.5 11.0 11.5 11.5 12.5 12.5	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.0 9.5 10.0 11.0 11.0 11.0 11.5 12.0	MEAN  9.0 9.0 10.0 9.5 8.0  8.0 9.5 8.5 9.0 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	9.5 9.5 9.5 8.5 8.0 9.0 10.0 10.0 9.5 8.5 10.0 11.0 11.0 11.5 12.0 12.0 12.0 10.0	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	MEAN  9.0  9.0 9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.1 1.0 11.0 11.0 11.5 12.0 12.0 11.0 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.0 11.5 11.5 11.5 12.5 12.0 13.0	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0 11.5 12.0 13.0	MEAN  9.0 9.0 9.0 10.0 9.5 8.0 8.0 9.5 8.5 8.5 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5 13.0	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	9.5 9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 10.0 11.0 11.0 11.0 11.0 12.0 12.0 12.0 10.0	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.0 10.5 10.5 10.5 10.5 10.5 10.5 10	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 11.0 11.0 11.0 11.5 12.0 11.0 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 9.5 11.5 11.0 11.5 12.5 12.0 13.0 14.0	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0 11.0 11.0 13.0	9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 9.0 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5 13.0	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	9.5 9.5 9.5 8.5 8.0 9.0 10.0 10.0 9.5 8.5 10.0 11.0 11.0 11.5 12.0 12.0 12.0 10.0	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	MEAN  9.0  9.0 9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.1 1.0 11.0 11.0 11.5 12.0 12.0 11.0 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.0 11.5 11.5 11.5 12.5 12.0 13.0	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0 11.5 12.0 13.0	MEAN  9.0 9.0 9.0 10.0 9.5 8.0 8.0 9.5 8.5 8.5 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5 13.0	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	9.5 9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 10.0 11.0 11.5 12.0 12.0 12.0 10.0 9.5 9.5	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.0 10.5 10.5 11.5 12.0 10.0 9.5	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 11.0 11.0 11.5 12.0 11.0 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.0 11.5 11.5 11.5 12.5 12.5 12.5 12.5 12.5	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0 11.0 11.5 12.0 13.0 13.0 14.0	9.0 9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 8.5 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5 13.0	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30	 9.5 9.5 9.5 8.5 8.0 9.0 10.0 10.0 11.0 11.0 11.5 12.0 12.0 12.0 12.0 10.0	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.0 10.5 10.5 10.5 10.5 10.5 10.5 10	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 9.5 10.5 11.0 11.0 11.5 12.0 11.0 11.0 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.5 11.5 11.5 12.5 12.0 13.0 14.0	MIN JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0 11.5 12.0 13.0 13.0 14.0 13.0	9.0 9.0 10.0 9.5 8.0 8.0 9.5   8.5 8.5 9.0 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5 13.0 14.0 14.0 13.5	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	9.5 9.5 9.5 9.5 8.5 8.0 9.0 10.0 9.5 8.5 10.0 11.0 11.5 12.0 12.0 12.0 10.0 9.5 9.5	MIN  JUNE  9.0  9.0 8.5 7.5 7.5 8.0  9.0 9.5 8.5 7.5 10.0 10.5 10.5 11.5 12.0 10.0 9.5	MEAN  9.0  9.0 9.0 8.0 7.5 8.5  9.5 9.5 11.0 11.0 11.5 12.0 11.0 9.5	9.0 9.5 10.0 9.5 8.5 9.0 10.5  10.0 9.5 9.5 9.5 11.0 11.5 11.5 11.5 12.5 12.5 12.5 12.5 12.5	MIN  JULY  8.5 9.0 9.5 8.5 7.5 7.5 9.0 10.0 8.0 8.0 8.5 9.0 9.5 10.0 11.0 11.0 11.0 11.0 11.5 12.0 13.0 13.0 14.0	9.0 9.0 9.0 10.0 9.5 8.0 8.0 9.5  8.5 8.5 9.0 9.5 10.5 11.5 11.5 11.5 12.0 12.5 13.0	MAX  14.5 14.5	MIN AUGUST  13.0 13.5 13.0	MEAN  13.5 14.0	MAX	SEPTEMBEI	

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