

YUKON ALASKA

15565447 YUKON RIVER AT PILOT STATION

LOCATION.--Lat 61°56'04", long 162°52'50", in SW¹/₄ SE¹/₄ sec. 5, T.21 N., R.74 W. (Marshall D-3 quad), Hydrologic Unit 19040805, on the right bank, .2 mi downstream from village of Pilot Station, 2.4 mi downstream from Atchuelinguk River, and 19 mi upstream from Andreaafsky River.

DRAINAGE AREA.--321,000 mi² approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to September 1996, April 2001 to current year.

REVISED RECORDS.--WRD-AK-99-1: 1998.

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above sea level from topographic map.

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

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	334000	e138000	e85000	e64500	e54000	e49000	e46500	e83000	584000	488000	306000	294000
2	326000	e135000	e83000	e64000	e53500	e49000	e46500	e105000	594000	476000	307000	e290000
3	319000	e131000	e82000	e63500	e53500	e49000	e46500	e130000	602000	464000	307000	e285000
4	313000	e128000	e81000	e63000	e53000	e48500	e46500	e165000	608000	454000	307000	e280000
5	308000	e126000	e80000	e63000	e53000	e48500	e46500	e190000	614000	446000	307000	e275000
6	e301000	e124000	e79000	e62500	e53000	e48500	e46500	e225000	619000	438000	307000	e270000
7	e295000	e122000	e78000	e62500	e52500	e48500	e46500	e270000	624000	432000	305000	e265000
8	e285000	e120000	e77500	e62000	e52500	e48000	e46500	312000	629000	427000	303000	e258000
9	e277000	e119000	e77000	e61500	e52500	e48000	e46500	340000	636000	422000	305000	e251000
10	e270000	e117000	e76000	e61000	e52000	e48000	e46500	362000	640000	415000	307000	e245000
11	e262000	e115000	e75500	e60500	e52000	e48000	e46500	380000	642000	408000	308000	e239000
12	e254000	e112000	e74500	e60000	e52000	e48000	e46500	389000	645000	400000	308000	e233000
13	e247000	e110000	e74000	e59500	e51500	e47500	e46500	392000	645000	391000	313000	e228000
14	e239000	e108000	e73000	e59500	e51500	e47500	e46500	401000	642000	384000	324000	e223000
15	e231000	e106000	e72500	e59000	e51000	e47500	e46500	418000	639000	377000	330000	e218000
16	e226000	e104000	e72000	e59000	e51000	e47500	e46500	435000	633000	371000	334000	e213000
17	e219000	e102000	e71000	e58500	e50500	e47000	e46500	450000	627000	370000	335000	e210000
18	e213000	e100000	e70500	e58000	e50500	e47000	e47000	468000	621000	361000	334000	e208000
19	e208000	e99000	e70000	e58000	e50500	e47000	e47000	488000	615000	355000	333000	e206000
20	e201000	e98000	e69500	e57500	e50000	e47000	e47000	502000	607000	351000	330000	e204000
21	e195000	e97000	e69000	e57500	e50000	e47000	e47500	510000	600000	347000	324000	e203000
22	e190000	e95000	e68500	e57000	e50000	e47000	e48000	513000	592000	347000	319000	e202000
23	e185000	e93000	e68000	e57000	e50000	e46500	e48500	516000	583000	338000	314000	e200000
24	e180000	e92000	e67500	e56500	e49500	e46500	e49000	518000	574000	331000	310000	e197000
25	e174000	e91000	e67000	e56000	e49500	e46500	e50000	521000	563000	316000	307000	e194000
26	e169000	e90000	e66500	e56000	e49500	e46500	e52000	524000	552000	308000	306000	e190000
27	e164000	e89000	e66500	e55000	e49000	e46500	e54000	531000	540000	305000	304000	e186000
28	e159000	e88000	e66000	e55000	e49000	e46500	e57000	542000	527000	304000	302000	e182000
29	e154000	e87000	e65500	e54500	e49000	e46500	e63000	552000	514000	303000	299000	e178000
30	e148000	e86000	e65000	e54000	---	e46500	e70000	563000	501000	304000	298000	e175000
31	e141000	---	e65000	e54000	---	e46500	---	574000	---	305000	295000	---
TOTAL	7187000	3222000	2255500	1829500	1485500	1471500	1470500	12369000	18012000	11738000	9688000	6802000
MEAN	231800	107400	72760	59020	51220	47470	49020	399000	600400	378600	312500	226700
MAX	334000	138000	85000	64500	54000	49000	70000	574000	645000	488000	335000	294000
MIN	141000	86000	65000	54000	49000	46500	46500	83000	501000	303000	295000	175000
AC-FT14260000	6391000	4474000	3629000	2946000	2919000	2917000	24530000	35730000	23280000	19220000	13490000	
CFSM	0.72	0.33	0.23	0.18	0.16	0.15	0.15	1.24	1.87	1.18	0.97	0.71
IN.	0.83	0.37	0.26	0.21	0.17	0.17	0.17	1.43	2.09	1.36	1.12	0.79
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)#												
MEAN	252900	129500	76080	61530	53140	48160	46320	280200	579600	445100	391000	357300
MAX	335900	211800	94840	76000	65360	56770	55000	501700	844600	563500	515800	481300
(WY)	1991	2003	1986	1986	1994	1980	1989	1991	1985	1992	1981	1994
MIN	170600	725000	50000	50000	38380	35160	38430	100200	364400	314000	312500	226700
(WY)	1979	1989	1988	1988	1984	1984	1976	1985	1978	1996	2004	2004

See Period of Record, partial years used in monthly statistics
e Estimated

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004#	
ANNUAL TOTAL	80897500		77530500			
ANNUAL MEAN	221600		211800		226400	
HIGHEST ANNUAL MEAN					253700	1994
LOWEST ANNUAL MEAN					185300	1978
HIGHEST DAILY MEAN	a541000	Jun 18	b645000	Jun 12	ce1100000	Jun 5 1985
LOWEST DAILY MEAN	d48000	Apr 1	f46500	Mar 23	g35000	Feb 23 1984
ANNUAL SEVEN-DAY MINIMUM	48000	Apr 1	46500	Mar 23	35000	Feb 23 1984
MAXIMUM PEAK FLOW			b648000	Jun 12	h1070000	Jun 9 1985
MAXIMUM PEAK STAGE			b25.54	Jun 12	i27.50	Jun 9 1985
MAXIMUM PEAK STAGE					j36.25	May 25 1989
ANNUAL RUNOFF (AC-FT)	160500000		153800000		164000000	
ANNUAL RUNOFF (CFSM)	0.690		0.660		0.705	
ANNUAL RUNOFF (INCHES)	9.38		8.98		9.58	
10 PERCENT EXCEEDS	453000		517000		500000	
50 PERCENT EXCEEDS	126000		133000		130000	
90 PERCENT EXCEEDS	50000		47500		48000	

See Period of Record, partial years used in monthly statistics

a Jun. 18-19

b Jun. 12-13

c Jun. 5-8, 1985.

d Apr. 1-26

e Estimated

f Mar. 23 - Apr. 17

g Feb. 23 - Mar. 27, 1984.

h Not determined. See highest daily mean

i Maximum recorded, but may have been higher during period of estimated discharge, Jun. 5-8, 1985

j Backwater from ice.