

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 Andraefsky 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 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e173000	e136000	e80000	e53000	e44500	e42000	e41000	e250000	716000	e538000	389000	308000
2	e170000	e134000	e78000	e53000	e44000	e42000	e41000	e290000	710000	e522000	386000	303000
3	e166000	e132000	e76000	e52000	e44000	e42000	e41000	e325000	706000	e510000	382000	302000
4	e163000	e130000	e74000	e52000	e43500	e42000	e41000	e400000	701000	e496000	377000	300000
5	e160000	e128000	e72000	e51000	e43500	e42000	e41000	e450000	699000	e485000	371000	298000
6	e158000	e125000	e70000	e51000	e43500	e42000	e41000	e530000	701000	e472000	364000	297000
7	156000	e122000	e68000	e50500	e43500	e41500	e41000	e620000	696000	e459000	357000	296000
8	152000	e120000	e67000	e50500	e43500	e41500	e41000	e750000	691000	e447000	351000	294000
9	152000	e118000	e66000	e50000	e43000	e41500	e41000	e820000	693000	e435000	344000	293000
10	e151000	e116000	e65000	e50000	e43000	e41500	e41000	e930000	701000	e425000	338000	294000
11	e151000	e114000	e64000	e49500	e43000	e41500	e41000	e1150000	707000	e416000	333000	296000
12	e150000	e112000	e63000	e49500	e43000	e41500	e41000	e1160000	709000	408000	329000	296000
13	e148000	e110000	e62000	e49000	e43000	e41500	e41000	e1160000	704000	402000	326000	305000
14	e147000	e108000	e61000	e49000	e43000	e41500	e41000	e1170000	698000	397000	323000	309000
15	e147000	e106000	e60000	e48500	e43000	e41500	e41000	e1170000	689000	394000	320000	311000
16	151000	e104000	e59000	e48500	e43000	e41500	e41000	1180000	680000	394000	317000	319000
17	151000	e102000	e59000	e48000	e42500	e41500	e41000	1180000	669000	397000	316000	330000
18	150000	e100000	e58000	e48000	e42500	e41500	e41000	1080000	653000	400000	315000	338000
19	e150000	e100000	e58000	e47500	e42500	e41500	e41000	932000	646000	401000	314000	346000
20	e149000	e99000	e57000	e47500	e42500	e41500	e41000	831000	635000	402000	311000	349000
21	e148000	e98000	e57000	e47000	e42500	e41500	e42000	771000	626000	401000	311000	349000
22	e147000	e97000	e56000	e47000	e42500	e41500	e48000	741000	618000	400000	310000	351000
23	e146000	e96000	e56000	e46500	e42500	e41500	e56000	724000	610000	399000	312000	356000
24	e145000	e95000	e56000	e46500	e42500	e41500	e61000	706000	602000	398000	314000	364000
25	e144000	e93000	e55000	e46000	e42500	e41000	e67000	694000	597000	397000	314000	367000
26	e143000	e91000	e55000	e46000	e42000	e41000	e75000	703000	e590000	397000	314000	370000
27	e142000	e89000	e55000	e45500	e42000	e41000	e100000	714000	e580000	396000	313000	375000
28	e141000	e87000	e54000	e45500	e42000	e41000	e130000	717000	e570000	395000	311000	379000
29	e140000	e85000	e54000	e45000	---	e41000	e165000	723000	e560000	394000	313000	382000
30	e139000	e83000	e54000	e45000	---	e41000	e205000	723000	e550000	392000	314000	386000
31	e138000	---	e53000	e44500	---	e41000	---	721000	---	390000	312000	---
TOTAL	4668000	3230000	1922000	1502500	1202500	1286000	1769000	24315000	19707000	13159000	10301000	9863000
MEAN	150600	107700	62000	48470	42950	41480	58970	784400	656900	424500	332300	328800
MAX	173000	136000	80000	53000	44500	42000	205000	1180000	716000	538000	389000	386000
MIN	138000	83000	53000	44500	42000	41000	41000	250000	550000	390000	310000	293000
AC-FT	9259000	6407000	3812000	2980000	2385000	2551000	3509000	48230000	39090000	26100000	20430000	19560000
CFSM	0.47	0.34	0.19	0.15	0.13	0.13	0.18	2.44	2.05	1.32	1.04	1.02
IN.	0.54	0.37	0.22	0.17	0.14	0.15	0.21	2.82	2.28	1.52	1.19	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)#

MEAN	248800	128700	75520	61000	52740	47890	46810	299600	582500	444400	388800	356200
MAX	335900	211800	94840	76000	65360	56770	58970	784400	844600	563500	515800	481300
(WY)	1991	2003	1986	1986	1994	1980	2005	2005	1985	1992	1981	1994
MIN	150600	72500	50000	48470	38380	35160	38430	100200	364400	314000	312500	226700
(WY)	2005	1989	1988	2005	1984	1984	1976	1985	1978	1996	2004	2004

See Period of Record; partial year was used in monthly statistics and break in record
e Estimated

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005#	
ANNUAL TOTAL	74686000		92925000			
ANNUAL MEAN	204100		254600		227500	
HIGHEST ANNUAL MEAN					254600 2005	
LOWEST ANNUAL MEAN					185300 1978	
HIGHEST DAILY MEAN	a645000	Jun 12	b1180000	May 16	b1180000	May 16 2005
LOWEST DAILY MEAN	c465000	Mar 23	d410000	Mar 25	f350000	Feb 23 1984
ANNUAL SEVEN-DAY MINIMUM	465000	Mar 23	410000	Mar 25	350000	Feb 23 1984
MAXIMUM PEAK FLOW			1240000	May 16	1240000	May 16 2005
MAXIMUM PEAK STAGE			27.83	May 16		
MAXIMUM PEAK STAGE			g29.48	May 13	g36.25	May 25 1989
ANNUAL RUNOFF (AC-FT)	148100000		184300000		164800000	
ANNUAL RUNOFF (CFSM)	0.636		0.793		0.709	
ANNUAL RUNOFF (INCHES)	8.66		10.77		9.63	
10 PERCENT EXCEEDS	517000		693000		502000	
50 PERCENT EXCEEDS	133000		141000		130000	
90 PERCENT EXCEEDS	47500		41500		47000	

See Period of Record; partial year was used in monthly statistics and break in record
a June 12-13
b May 16-17
c Mar. 23 - Apr. 17
d Mar. 25 - Apr. 20
f Feb. 23 - Mar. 27, 1984
g Backwater from ice