

Water-Data Report 2009

15862500 UBLUTUOCH RIVER 13.7 MILES ABOVE MOUTH NEAR NUIQSUT, AK

Barrow Basin
Harrison Bay Subbasin

LOCATION.--Lat 70°14'33.56", long 151°17'41.81" referenced to North American Datum of 1983, in SW ¼ SE ¼ SE ¼ sec.2, T.10 N., R.3 E., North Slope Borough, AK, Hydrologic Unit 19060205, 13.7 mi upstream from mouth and 7 mi northwest of Nuiqsut.

DRAINAGE AREA.--Undetermined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2006 to September 2009 (discontinued).

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

REMARKS.--Records fair except for estimated daily discharges, which are poor. Winter records may contain periods of ponded water beneath ice cover within the gage pool but with no discernible flow. GOES satellite telemetry at station.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e2.6	e0.00	e1,500	73	6.0	34						
2	e2.4	e0.00	e1,600	68	5.8	38						
3	e2.2	e0.00	e1,400	63	5.8	41						
4	e2.0	e0.00	1,170	57	5.7	42						
5	e1.8	e0.00	958	53	5.7	42						
6	e1.6	e0.00	786	49	5.7	41						
7	e1.4	e0.00	683	44	5.5	39						
8	e1.2	e0.00	637	40	5.6	38						
9	e1.0	e0.00	594	36	6.9	36						
10	e0.80	e0.00	509	33	7.5	35						
11	e0.60	e0.00	438	32	8.3	34						
12	e0.40	e0.00	387	30	8.5	32						
13	e0.20	e0.00	342	29	9.3	30						
14	e0.00	304	28	10	29							
15	e0.00	274	26	11	29							
16	e0.00	249	24	11	28							
17	e0.00	224	22	12	27							
18	e0.00	e1.0	201	19	14	28						
19	e0.00	e5.0	178	16	15	28						
20	e0.00	e50	160	14	17	27						
21	e0.00	e100	144	12	16	26						
22	e0.00	e200	132	11	16	e25						
23	e0.00	e350	121	9.1	16	e22						
24	e0.00	e450	111	8.0	16	e20						
25	e0.00	e600	102	7.3	15	e17						
26	e0.00	e700	96	6.9	15	e15						
27	e0.00	e900	92	6.6	16	e14						
28	e0.00	e1,000	88	6.6	16	e13						
29	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e1,200	83	6.0	17	e12
30	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e1,400	78	6.0	22	e11
31	e0.00	---	e0.00	e0.00	---	e0.00	---	e1,400	---	6.2	27	---
Total	18.20	0.00	0.00	0.00	0.00	0.00	0.00	8,356.00	13,641	841.7	368.3	853
Mean	0.59	0.00	0.00	0.00	0.00	0.00	0.00	270	455	27.2	11.9	28.4
Max	2.6	0.00	0.00	0.00	0.00	0.00	0.00	1,400	1,600	73	27	42
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78	6.0	5.5	11
Ac-ft	36	0.00	0.00	0.00	0.00	0.00	0.00	16,570	27,060	1,670	731	1,690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.09	0.00	0.00	0.00	0.00	0.00	0.00	128	323	19.9	6.79	10.7
Max	2.68	0.00	0.00	0.00	0.00	0.00	0.00	270	455	27.2	11.9	28.4
(WY)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2009)	(2009)	(2009)	(2009)	(2009)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	223	14.6	1.49	0.38
(WY)	(2008)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2008)	(2008)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 2007 - 2009	
Annual total	11,024.50		24,078.20			
Annual mean	30.1		66.0		40.6	
Highest annual mean					66.0	2009
Lowest annual mean					25.9	2007
Highest daily mean	950	May 29	1,600	Jun 2	1,600	Jun 2, 2009
Lowest daily mean	^a 0.00	Jan 1	^b 0.00	Oct 14	^c 0.00	Oct 18, 2006
Maximum peak flow			^d		^d	
Maximum peak stage			^f 18.98 May 28		^f 18.98 May 28, 2009	
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 14	0.00	Oct 18, 2006
Annual runoff (ac-ft)	21,870		47,760		29,440	
10 percent exceeds	39		98		49	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00	

^a Jan. 1 to May 31 and Sep. 26 to Dec. 31

^b Oct. 14 to May 17

^c No flow during winter months

^d Not determined, occurred during a period of backwater from snow and ice. See highest daily mean.

^f Backwater from snow and ice.

