Water-Data Report 2012

15905100 ATIGUN R BL GALBRAITH LK NR PUMP STATION 4 AK

Prudhoe Bay Basin
Sagavanirktok River Subbasin

LOCATION.--Lat 68°27′10″, long 149°22′06″ referenced to North American Datum of 1927, in NW ¼ NE ¼ NW ¼ sec.32, T.12 S., R.2 E., North Slope Borough, AK, Hydrologic Unit 19060402, on left bank 40 ft downstream from bridge at mi 271.3 on Dalton Highway, 0.3 mi downstream from Galbraith Lake Outlet and 2 mi North of Pump Station 4.

DRAINAGE AREA.--297 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2010 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,750 ft above sea level.

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.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 15905100, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/15905100.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e160	e25	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	880	1,310	545	848
2	e160	e20	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	1,080	1,110	516	741
3	e150	e15	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	1,140	1,040	911	642
4	e150	e15	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	1,260	909	1,730	595
5	e140	e10	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	1,450	957	1,570	637
6	e130	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1,680	1,060	1,190	676
7	e120	e9.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1,820	1,140	1,150	620
8	e110	e9.0	e0.00	e0.00	e0.00	e0.00	e0.00	e1.0	2,000	1,120	1,060	531
9	e110	e8.0	e0.00	e0.00	e0.00	e0.00	e0.00	e2.0	2,090	1,150	954	450
10	e100	e8.0	e0.00	e0.00	e0.00	e0.00	e0.00	e6.0	2,420	1,320	829	409
11	e100	e7.0	e0.00	e0.00	e0.00	e0.00	e0.00	e8.0	3,440	1,350	706	366
12	e95	e6.0	e0.00	e0.00	e0.00	e0.00	e0.00	e10	3,170	1,090	607	334
13	e90	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e12	1,600	898	522	308
14	e85	e4.0	e0.00	e0.00	e0.00	e0.00	e0.00	e14	1,030	980	457	283
15	e80	e3.5	e0.00	e0.00	e0.00	e0.00	e0.00	e18	937	1,270	431	265
16	e75	e3.0	e0.00	e0.00	e0.00	e0.00	e0.00	e24	871	1,100	459	249
17	e70	e2.5	e0.00	e0.00	e0.00	e0.00	e0.00	e30	866	1,130	701	258
18	e65	e2.5	e0.00	e0.00	e0.00	e0.00	e0.00	e50	854	1,540	767	247
19	e60	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e70	746	1,460	755	229
20	e55	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e100	879	1,240	725	221
21	e50	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	e140	924	1,160	679	221
22	e50	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	e200	866	1,130	573	224
23	e45	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	e400	724	967	486	220
24	e45	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e750	687	1,240	427	e220
25	e40	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	765	811	1,280	407	e210
26	e40	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	537	1,150	1,070	452	e200
27	e35	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	354	1,030	904	457	e190
28	e35	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	294	1,140	759	420	e180
29	e30	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	377	1,200	664	383	e180
30	e30	e0.50	e0.00	e0.00	---	e0.00	e0.00	739	1,270	671	362	e180
31	e25	---	e0.00	e0.00	---	e0.00	---	766	---	628	542	---
Total	2,530	177.00	2.50	0.00	0.00	0.00	0.00	5,667.00	40,015	33,647	21,773	10,934
Mean	81.6	5.90	0.08	0.00	0.00	0.00	0.00	183	1,334	1,085	702	364
Max	160	25	0.50	0.00	0.00	0.00	0.00	766	3,440	1,540	1,730	848
Min	25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	687	628	362	180
Med	75	3.2	0.00	0.00	0.00	0.00	0.00	24	1,110	1,110	573	262
Ac-ft	5,020	351	5.0	0.00	0.00	0.00	0.00	11,240	79,370	66,740	43,190	21,690
Cfsm	0.27	0.02	0.00	0.00	0.00	0.00	0.00	0.62	4.49	3.65	2.36	1.23
In.	0.32	0.02	0.00	0.00	0.00	0.00	0.00	0.71	5.01	4.21	2.73	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2011 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	66.8	6.33	0.39	0.00	0.00	0.00	0.00	475	980	931	636	323
Max	81.6	6.77	0.69	0.00	0.00	0.00	0.00	768	1,334	1,085	702	364
(WY)	(2012)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2012)	(2012)	(2012)	(2012)
Min	52.0	5.90	0.08	0.00	0.00	0.00	0.00	183	626	777	569	281
(WY)	(2011)	(2012)	(2012)	(2011)	(2011)	(2011)	(2011)	(2012)	(2011)	(2011)	(2011)	(2011)

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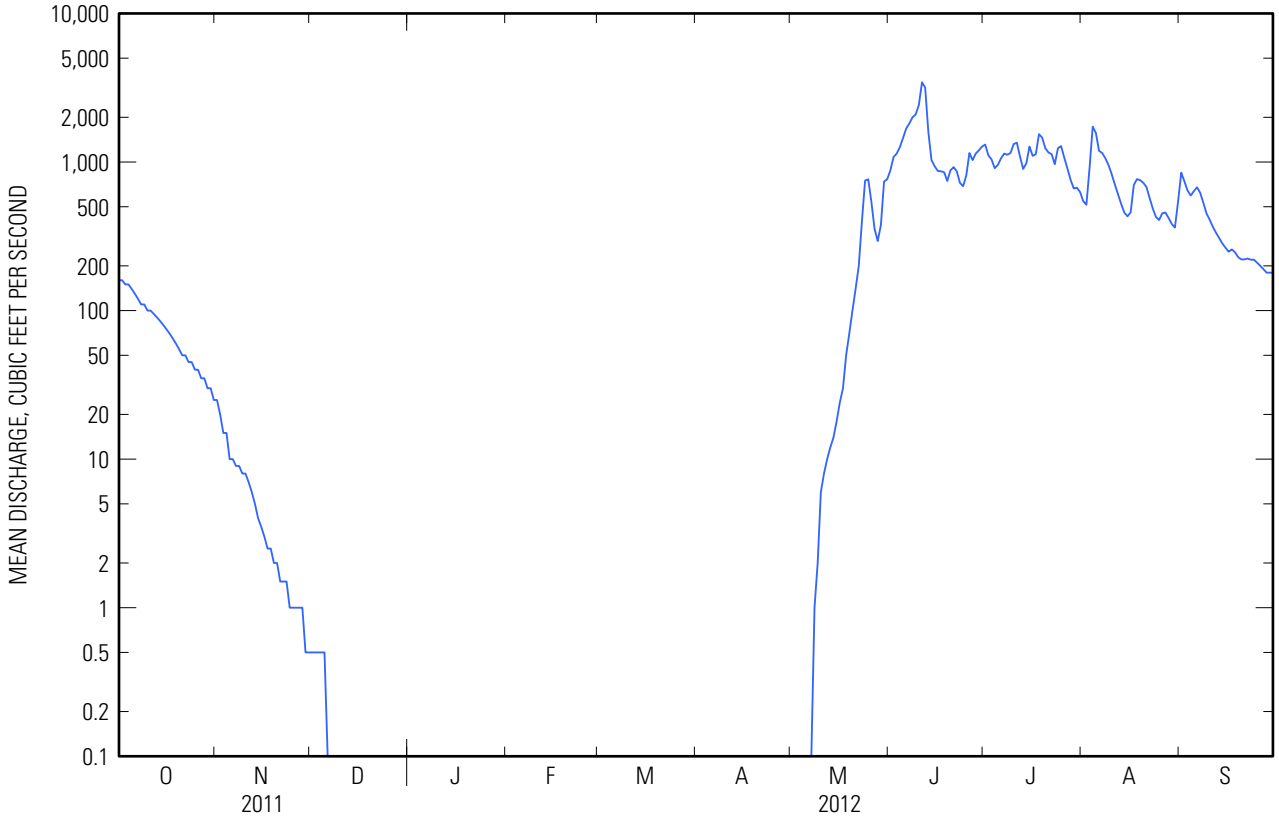
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2011 - 2012	
Annual total	95,456.50		114,745.50			
Annual mean	262		314		286	
Highest annual mean					314	2012
Lowest annual mean					259	2011
Highest daily mean	3,160	May 25	3,440	Jun 11	3,440	Jun 11, 2012
Lowest daily mean	0.00	Jan 1	0.00	Dec 6	0.00	Dec 27, 2010
Annual seven-day minimum	0.00	Jan 1	0.00	Dec 6	0.00	Dec 27, 2010
Maximum peak flow			4,240	Jun 12	4,240	Jun 12, 2012
Maximum peak stage			34.69	Jun 12	34.69	Jun 12, 2012
Annual runoff (ac-ft)	189,300		227,600		207,500	
Annual runoff (cfsm)	0.881		1.06		0.964	
Annual runoff (inches)	11.96		14.37		13.10	
10 percent exceeds	776		1,090		959	
50 percent exceeds	5.0		8.0		6.5	
90 percent exceeds	0.00		0.00		0.00