Water-Data Report 2012

15980000 HULAHULA RIVER NEAR KAKTOVIK, AK

Eastern Arctic Basin
Camden Bay Subbasin

LOCATION.--Lat 69°42′41″, long 144°11′24″ referenced to North American Datum of 1927, in NE ¼ SW ¼ SE ¼ sec.11, T.4 N., R.32 E., North Slope Borough, AK, Hydrologic Unit 19060502, gage is located on the right bank, 33 miles southwest of Kaktovik, AK. Gage elevation is 640 ft above MSL, from topographic map.

DRAINAGE AREA.--684.83 mi^2.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Elevation is 640 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. 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 15980000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/15980000.2012.pdf

15980000 HULAHULA RIVER NEAR KAKTOVIK, AK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e80	e30	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	802	765	3,690	362
2	e85	e30	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	508	1,620	2,420	379
3	e80	e30	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	386	1,460	2,570	390
4	e75	e25	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	448	1,250	2,190	391
5	e75	e25	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	519	1,040	1,970	394
6	e70	e25	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	571	1,220	1,630	424
7	e70	e25	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	646	1,230	1,320	446
8	e65	e25	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	639	1,350	1,010	439
9	e65	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	504	1,320	865	449
10	e60	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	406	1,170	777	459
11	e60	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	369	934	704	488
12	e55	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e1.0	344	1,030	669	515
13	e55	e15	e0.00	e0.00	e0.00	e0.00	e0.00	e2.0	291	1,260	731	500
14	e55	e15	e0.00	e0.00	e0.00	e0.00	e0.00	e5.0	257	3,990	823	469
15	e50	e15	e0.00	e0.00	e0.00	e0.00	e0.00	e10	304	5,720	730	434
16	e50	e15	e0.00	e0.00	e0.00	e0.00	e0.00	e20	519	3,020	641	429
17	e50	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e40	847	2,270	594	480
18	e45	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e80	855	2,760	549	487
19	e45	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e200	864	2,100	505	447
20	e45	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e500	864	1,840	475	414
21	e45	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e1,900	1,070	1,670	479	412
22	e40	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e4,800	1,400	1,620	472	376
23	e40	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	6,780	2,790	1,510	427	350
24	e40	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	8,730	4,960	1,610	406	315
25	e40	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	6,060	4,440	1,580	396	e240
26	e35	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	3,590	2,770	1,590	387	e190
27	e35	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	2,900	2,210	1,880	379	e170
28	e35	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	2,550	1,850	1,920	379	e175
29	e30	e5.0	e0.00	e0.00	---	e0.00	e0.00	2,230	1,420	1,760	372	e160
30	e30	e2.0	e0.00	e0.00	---	e0.00	e0.00	1,630	849	2,080	363	e140
31	e30	---	e0.00	e0.00	---	e0.00	---	1,180	---	3,370	362	---
Total	1,635	447.0	14.00	0.00	0.00	0.00	0.00	43,208.00	34,702	57,939	29,285	11,324
Mean	52.7	14.9	0.45	0.00	0.00	0.00	0.00	1,394	1,157	1,869	945	377
Max	85	30	2.0	0.00	0.00	0.00	0.00	8,730	4,960	5,720	3,690	515
Min	30	2.0	0.00	0.00	0.00	0.00	0.00	0.00	257	765	362	140
Med	50	15	0.00	0.00	0.00	0.00	0.00	20	724	1,610	641	413
Ac-ft	3,240	887	28	0.00	0.00	0.00	0.00	85,700	68,830	114,900	58,090	22,460
Cfsm	0.08	0.02	0.00	0.00	0.00	0.00	0.00	2.04	1.69	2.73	1.38	0.55
In.	0.09	0.02	0.00	0.00	0.00	0.00	0.00	2.35	1.89	3.15	1.59	0.62

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

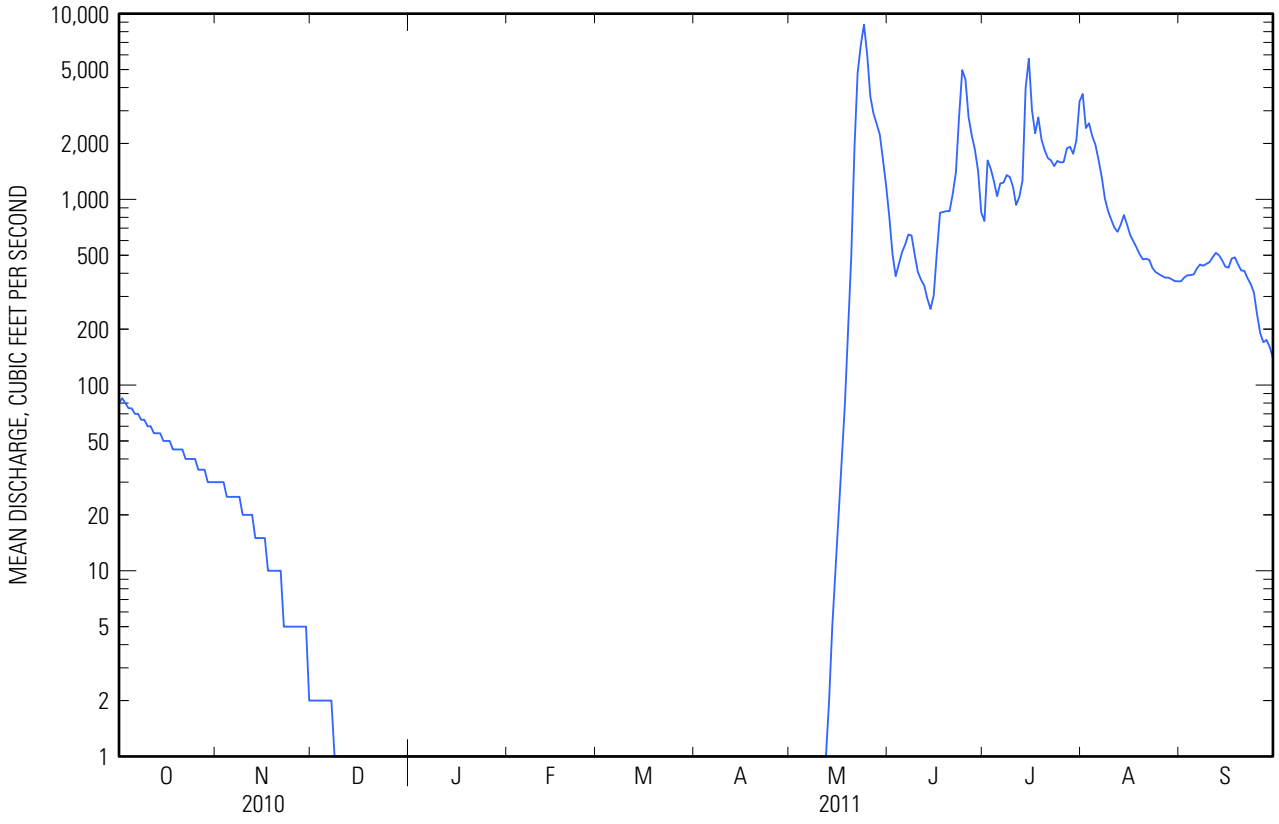
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	52.7	14.9	0.45	0.00	0.00	0.00	0.00	1,394	1,157	1,869	945	377
Max	52.7	14.9	0.45	0.00	0.00	0.00	0.00	1,394	1,157	1,869	945	377
(WY)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)
Min	52.7	14.9	0.45	0.00	0.00	0.00	0.00	1,394	1,157	1,869	945	377
(WY)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)

15980000 HULAHULA RIVER NEAR KAKTOVIK, AK—Continued

SUMMARY STATISTICS

	Water Year 2011	
Annual total	178,554.00	
Annual mean	489	
Highest daily mean	8,730	May 24
Lowest daily mean	0.00	Dec 8
Annual seven-day minimum	0.00	Dec 8
Maximum peak flow	12,800	May 24
Maximum peak stage	27.22	May 24
Maximum peak stage	[a]27.71	May 21
Annual runoff (ac-ft)	354,200	
Annual runoff (cfsm)	0.714	
Annual runoff (inches)	9.70	
10 percent exceeds	1,620	
50 percent exceeds	15	
90 percent exceeds	0.00	

[a] Backwater from snow and ice



15980000 HULAHULA RIVER NEAR KAKTOVIK, AK—Continued

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

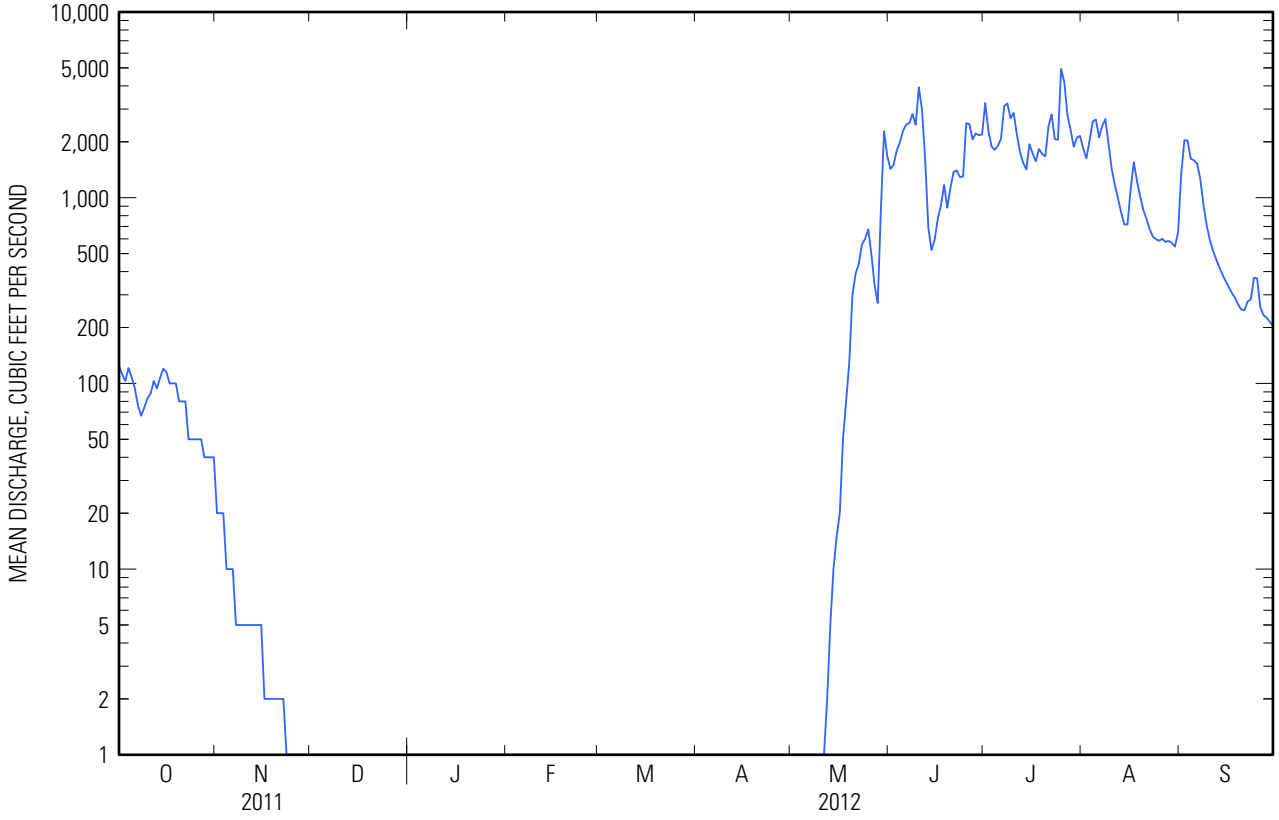
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e124	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1,430	3,230	1,840	1,350
2	e112	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1,500	2,290	1,630	2,040
3	e103	e20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1,790	1,890	2,030	2,030
4	e121	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1,990	1,810	2,570	1,620
5	e108	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2,290	1,900	2,640	1,590
6	e94	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2,480	2,080	2,110	1,530
7	e76	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2,520	3,110	2,430	1,270
8	e67	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2,820	3,220	2,650	923
9	e74	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2,470	2,680	1,950	717
10	e83	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3,930	2,860	1,430	597
11	e88	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e1.0	2,970	2,190	1,170	522
12	e103	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e2.0	1,610	1,760	990	468
13	e94	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e5.0	691	1,540	832	424
14	e107	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e10	523	1,420	717	387
15	e120	e5.0	e0.00	e0.00	e0.00	e0.00	e0.00	e15	593	1,940	718	356
16	e115	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e20	771	1,730	1,110	331
17	e100	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e50	912	1,570	1,550	307
18	e100	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e80	1,170	1,830	1,230	289
19	e100	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e130	883	1,720	1,020	266
20	e80	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e300	1,130	1,670	859	250
21	e80	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e390	1,380	2,420	769	248
22	e80	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e440	1,400	2,810	678	276
23	e50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e560	1,290	2,070	618	283
24	e50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e600	1,300	2,050	597	370
25	e50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	674	2,520	4,940	586	368
26	e50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	494	2,490	4,210	601	258
27	e50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	338	2,060	2,790	578	233
28	e40	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	271	2,220	2,320	585	226
29	e40	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	868	2,170	1,880	572	215
30	e40	e0.00	e0.00	e0.00	---	e0.00	e0.00	2,280	2,190	2,110	545	204
31	e40	---	e0.00	e0.00	---	e0.00	---	1,680	---	2,150	650	---
Total	2,539	149.00	0.00	0.00	0.00	0.00	0.00	9,208.00	53,493	72,190	38,255	19,948
Mean	81.9	4.97	0.00	0.00	0.00	0.00	0.00	297	1,783	2,329	1,234	665
Max	124	20	0.00	0.00	0.00	0.00	0.00	2,280	3,930	4,940	2,650	2,040
Min	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	523	1,420	545	204
Med	83	3.5	0.00	0.00	0.00	0.00	0.00	20	1,700	2,080	990	369
Ac-ft	5,040	296	0.00	0.00	0.00	0.00	0.00	18,260	106,100	143,200	75,880	39,570
Cfsm	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.43	2.60	3.40	1.80	0.97
In.	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.50	2.91	3.92	2.08	1.08

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	67.3	9.93	0.23	0.00	0.00	0.00	0.00	845	1,470	2,099	1,089	521
Max	81.9	14.9	0.45	0.00	0.00	0.00	0.00	1,394	1,783	2,329	1,234	665
(WY)	(2012)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2012)	(2012)	(2012)	(2012)
Min	52.7	4.97	0.00	0.00	0.00	0.00	0.00	297	1,157	1,869	945	377
(WY)	(2011)	(2012)	(2012)	(2011)	(2011)	(2011)	(2011)	(2012)	(2011)	(2011)	(2011)	(2011)

15980000 HULAHULA RIVER NEAR KAKTOVIK, AK—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2011 - 2012	
Annual total	179,146.00		195,782.00			
Annual mean	491		535		512	
Highest annual mean					535	2012
Lowest annual mean					489	2011
Highest daily mean	8,730	May 24	4,940	Jul 25	8,730	May 24, 2011
Lowest daily mean	0.00	Jan 1	0.00	Nov 23	0.00	Dec 8, 2010
Annual seven-day minimum	0.00	Jan 1	0.00	Nov 23	0.00	Dec 8, 2010
Maximum peak flow			6,640	Jul 25	13,000	May 24, 2011
Maximum peak stage			26.15	Jul 25	27.22	May 24, 2011
Maximum peak stage					[a]27.71	May 21, 2011
Annual runoff (ac-ft)	355,300		388,300		371,000	
Annual runoff (cfsm)	0.717		0.781		0.748	
Annual runoff (inches)	9.73		10.63		10.16	
10 percent exceeds	1,620		2,050		1,890	
50 percent exceeds	5.0		5.0		10	
90 percent exceeds	0.00		0.00		0.00	

[a] Backwater from snow and ice