Water-Data Report 2013

15565447 YUKON RIVER AT PILOT STATION, AK

Lower Yukon Basin
Yukon Delta Subbasin

LOCATION.--Lat 61°56′04″, long 162°52′50″ referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.5, T.21 N., R.74 W., Wade Hampton Division, AK, Hydrologic Unit 19040805, (Marshall D-3 quad), on the right bank, 0.2 mi downstream from village of Pilot Station, 2.4 mi downstream from Atchuelinguk River, and 19 mi upstream from Andreafsky River.

DRAINAGE AREA.--321,000 mi^2.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WRD-AK-85-1: 1982

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.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 15565447, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/15565447.2013.pdf

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated; $\times 10^6$, million]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	423,000	e210,000	e96,000	e67,000	e56,500	e52,500	e49,500	e49,500	e700,000	579,000	391,000	322,000
2	428,000	e205,000	e94,000	e66,000	e56,500	e52,000	e49,500	e49,500	e800,000	566,000	386,000	331,000
3	435,000	e200,000	e94,000	e66,000	e56,500	e52,000	e49,500	e50,000	e820,000	553,000	385,000	342,000
4	437,000	e195,000	e92,000	e65,000	e56,000	e52,000	e49,000	e50,000	e800,000	541,000	384,000	349,000
5	431,000	e190,000	e90,000	e65,000	e56,000	e52,000	e49,000	e50,000	789,000	531,000	385,000	355,000
6	434,000	e185,000	e88,000	e64,000	e56,000	e51,500	e49,000	e50,500	776,000	523,000	386,000	360,000
7	437,000	e180,000	e88,000	e64,000	e55,500	e51,500	e49,000	e51,000	746,000	515,000	387,000	364,000
8	438,000	e175,000	e86,000	e63,000	e55,500	e51,500	e49,000	e51,000	723,000	506,000	387,000	370,000
9	435,000	e165,000	e84,000	e63,000	e55,500	e51,500	e49,000	e51,500	713,000	498,000	388,000	372,000
10	430,000	e155,000	e84,000	e62,000	e55,000	e51,500	e49,000	e52,000	711,000	489,000	388,000	374,000
11	424,000	e148,000	e82,000	e62,000	e55,000	e51,000	e48,500	e52,500	709,000	483,000	388,000	371,000
12	418,000	e144,000	e82,000	e62,000	e55,000	e51,000	e48,500	e53,000	709,000	476,000	386,000	369,000
13	411,000	e140,000	e80,000	e61,000	e54,500	e51,000	e48,500	e53,000	710,000	466,000	383,000	371,000
14	402,000	e136,000	e80,000	e61,000	e54,500	e51,000	e48,500	e53,000	711,000	456,000	378,000	374,000
15	392,000	e132,000	e79,000	e61,000	e54,500	e51,000	e48,500	e53,500	712,000	449,000	373,000	375,000
16	384,000	e128,000	e78,000	e60,000	e54,000	e50,500	e48,500	e54,000	717,000	443,000	367,000	373,000
17	376,000	e125,000	e77,000	e60,000	e54,000	e50,500	e48,500	e54,500	723,000	437,000	361,000	372,000
18	366,000	e122,000	e76,000	e60,000	e53,500	e50,500	e48,500	e54,500	728,000	433,000	353,000	370,000
19	351,000	e120,000	e75,000	e59,000	e53,500	e50,500	e48,500	e55,500	729,000	428,000	346,000	368,000
20	e335,000	e116,000	e74,000	e59,000	e53,500	e50,500	e48,500	e56,500	724,000	426,000	339,000	366,000
21	e325,000	e114,000	e73,000	e59,000	e53,500	e50,500	e48,500	e58,000	717,000	424,000	333,000	365,000
22	e310,000	e112,000	e72,000	e58,000	e53,000	e50,500	e48,500	e60,000	707,000	423,000	329,000	367,000
23	e300,000	e110,000	e71,000	e58,000	e53,000	e50,000	e48,500	e63,000	694,000	423,000	327,000	364,000
24	e290,000	e108,000	e70,000	e57,500	e53,000	e50,000	e48,500	e68,000	679,000	425,000	323,000	361,000
25	e280,000	e106,000	e70,000	e57,500	e53,000	e50,000	e49,000	e73,000	668,000	425,000	317,000	364,000
26	e270,000	e104,000	e69,000	e57,500	e52,500	e50,000	e49,000	e85,000	655,000	425,000	315,000	367,000
27	e260,000	e102,000	e69,000	e57,500	e52,500	e50,000	e49,000	e110,000	641,000	421,000	314,000	368,000
28	e250,000	e100,000	e68,000	e57,000	e52,500	e50,000	e49,000	e150,000	626,000	415,000	313,000	368,000
29	e240,000	e98,000	e68,000	e57,000	---	e49,500	e49,500	e210,000	610,000	408,000	313,000	365,000
30	e230,000	e98,000	e67,000	e57,000	---	e49,500	e49,500	e290,000	592,000	402,000	315,000	361,000
31	e220,000	---	e67,000	e57,000	---	e49,500	---	e400,000	---	396,000	316,000	---
Total	11.16×10^6	4,223,000	2,443,000	1,883,000	1,524,000	1,575,000	1,465,500	2,612,000	21.33×10^6	14.38×10^6	11.05×10^6	10.89×10^6
Mean	360,100	140,800	78,810	60,740	54,430	50,810	48,850	84,260	711,300	464,000	356,600	363,300
Max	438,000	210,000	96,000	67,000	56,500	52,500	49,500	400,000	820,000	579,000	391,000	375,000
Min	220,000	98,000	67,000	57,000	52,500	49,500	48,500	49,500	592,000	396,000	313,000	322,000
Ac-ft	22.14×10^6	8,376,000	4,846,000	3,735,000	3,023,000	3,124,000	2,907,000	5,181,000	42.33×10^6	28.53×10^6	21.93×10^6	21.62×10^6
Cfsm	1.12	0.44	0.25	0.19	0.17	0.16	0.15	0.26	2.22	1.45	1.11	1.13
In.	1.29	0.49	0.28	0.22	0.18	0.18	0.17	0.30	2.47	1.67	1.28	1.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2013, BY WATER YEAR (WY)#

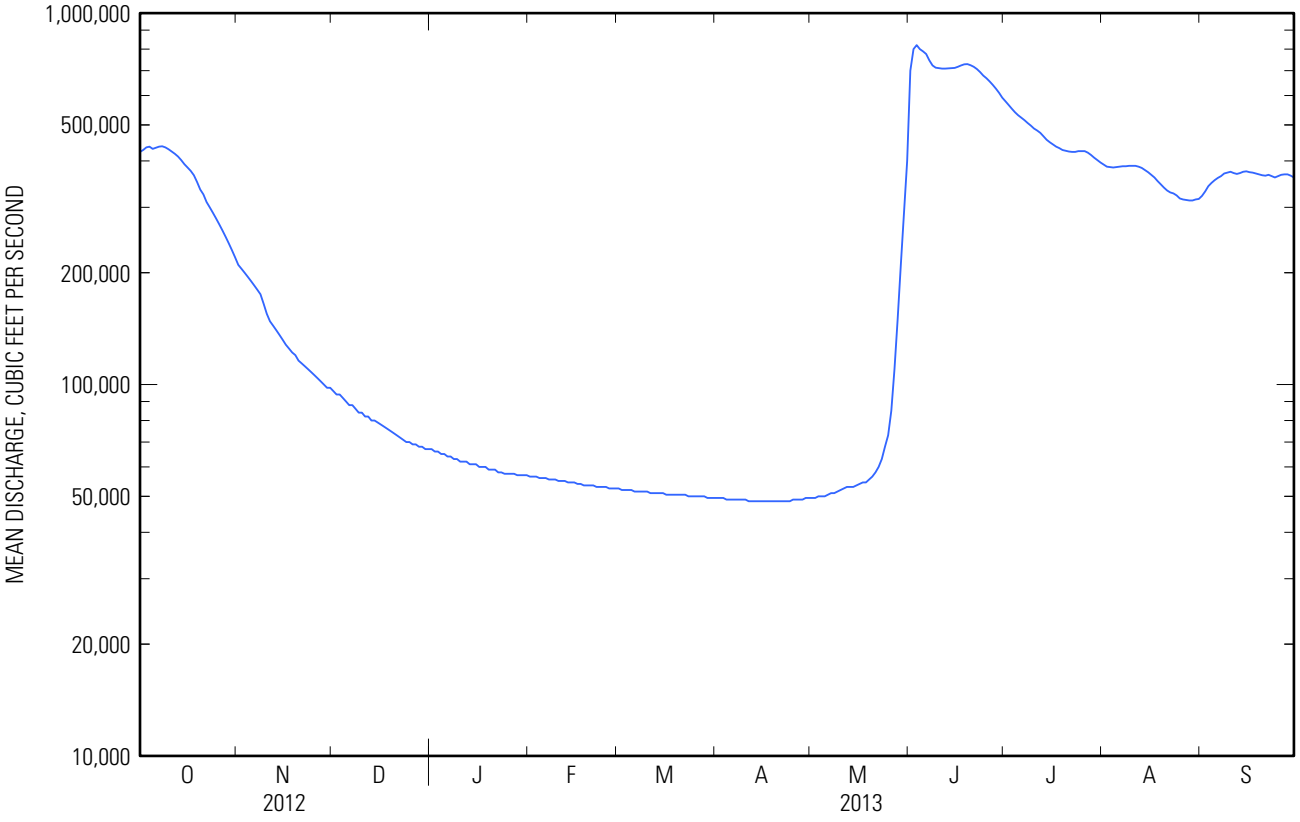
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	255,000	128,300	75,590	61,330	52,870	47,770	46,670	305,400	573,400	442,600	390,900	357,400
Max	360,100	211,800	94,840	76,000	65,360	56,770	58,970	784,400	844,600	563,500	515,800	481,300
(WY)	(2013)	(2003)	(1986)	(1986)	(1994)	(1980)	(2005)	(2005)	(1985)	(1992)	(1981)	(1994)
Min	150,600	72,500	50,000	47,000	38,380	35,160	38,430	84,260	334,200	314,000	276,700	226,700
(WY)	(2005)	(1989)	(1988)	(2007)	(1984)	(1984)	(1976)	(2013)	(2010)	(1996)	(2009)	(2004)

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1976 - 2013#	
Annual total	95,101,000		84,565,500			
Annual mean	259,800		231,700		228,200	
Highest annual mean					254,600	2005
Lowest annual mean					185,300	1978
Highest daily mean	655,000	Jun 12	820,000	Jun 3	1,180,000	May 16, 2005
Lowest daily mean	44,000	Apr 10	48,500	Apr 11	35,000	Feb 23, 1984
Annual seven-day minimum	44,000	Apr 10	48,500	Apr 11	35,000	Feb 23, 1984
Maximum peak flow			a		1,240,000	May 16, 2005
Maximum peak stage					27.83	May 16, 2005
Maximum peak stage			b30.01	Jun 1	b36.25	May 25, 1989
Annual runoff (ac-ft)	188,600,000		167,700,000		165,300,000	
Annual runoff (cfsm)	0.809		0.722		0.711	
Annual runoff (inches)	11.02		9.80		9.66	
10 percent exceeds	573,000		518,000		500,000	
50 percent exceeds	172,000		106,000		131,000	
90 percent exceeds	48,700		50,000		47,000	

See Period of Record; partial year was used in monthly statistics and break in record
a Undetermined, see Highest Daily Mean
b Backwater from ice



15565447 YUKON RIVER AT PILOT STATION, AK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-1956, 1975-96, and 2001 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: 1976 and 1978 (seasonal).

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 2

[%, percent; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Sample location, relative to right bank, looking downstream, ft (72103)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	pH, water, unfiltered, field, standard units (00400)	Temperature, water, °C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Suspended sediment concentration, mg/L (80154)
February 14, 2013	1822	150.0	307	--	0.0	759	2.9	20	--
February 14, 2013	1833	350.0	313	--	.0	759	2.9	20	--
February 14, 2013	1856	550.0	314	--	.0	759	2.9	20	--
February 14, 2013	1911	750.0	315	--	.0	759	2.9	20	--
February 14, 2013	1921	1,150	312	--	.0	759	2.7	19	--
April 9, 2013	1540	150.0	310	6.9	.0	754	2.4	17	--
April 9, 2013	1550	350.0	322	6.9	.0	754	2.4	17	--
April 9, 2013	1600	575.0	323	6.9	.0	754	2.4	17	--
April 9, 2013	1610	825.0	323	6.9	.0	754	2.4	17	--
April 9, 2013	1620	1,025	324	6.9	.0	754	2.4	17	--
June 11, 2013	1730	560.0	173	7.8	10.5	770	7.9	70	--
June 11, 2013	1742	1,170	173	7.8	10.5	770	8.0	71	--
June 11, 2013	1759	1,680	174	7.8	10.6	770	8.1	72	--
June 11, 2013	1816	2,040	174	7.8	10.6	770	8.1	72	--
June 11, 2013	1829	2,360	174	7.8	10.6	770	8.1	72	--
June 25, 2013	1229	2,100	190	7.5	16.4	759	7.6	78	--
June 25, 2013	1234	1,580	190	7.5	16.4	759	7.5	77	--
June 25, 2013	1238	1,190	190	7.5	16.4	759	7.5	77	--
June 25, 2013	1245	890.0	190	7.5	16.4	759	7.5	77	--
June 25, 2013	1249	570.0	190	7.5	16.3	759	7.5	77	--
July 16, 2013	1620	460.0	223	7.9	16.8	--	--	--	470
July 16, 2013	1640	770.0	230	8.0	16.8	--	--	--	533
July 16, 2013	1653	1,050	229	8.0	16.8	--	--	--	560
July 16, 2013	1735	1,425	233	7.9	16.8	--	--	--	633
July 16, 2013	1810	1,929	232	8.0	16.8	--	--	--	689
August 21, 2013	1221	1,760	245	8.0	16.7	753	9.0	93	--
August 21, 2013	1224	1,290	243	8.0	16.7	753	9.0	93	--
August 21, 2013	1226	950.0	245	8.0	16.7	753	9.0	93	--
August 21, 2013	1233	624.0	244	8.0	16.7	753	9.0	93	--
August 21, 2013	1235	338.0	237	8.0	16.6	753	9.0	93	--
September 18, 2013	1210	413.0	240	7.8	10.0	761	10.5	93	--
September 18, 2013	1220	688.0	241	7.8	10.0	761	10.5	93	--
September 18, 2013	1231	979.0	239	7.8	10.0	761	10.5	93	--
September 18, 2013	1239	1,349	242	7.8	10.0	761	10.5	93	--
September 18, 2013	1252	1,831	241	7.8	10.0	761	10.5	93	--

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO
SEPTEMBER 2013

Part 2 of 2

[%, percent; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)
February 14, 2013	1822	--
February 14, 2013	1833	--
February 14, 2013	1856	--
February 14, 2013	1911	--
February 14, 2013	1921	--
April 9, 2013	1540	--
April 9, 2013	1550	--
April 9, 2013	1600	--
April 9, 2013	1610	--
April 9, 2013	1620	--
June 11, 2013	1730	--
June 11, 2013	1742	--
June 11, 2013	1759	--
June 11, 2013	1816	--
June 11, 2013	1829	--
June 25, 2013	1229	--
June 25, 2013	1234	--
June 25, 2013	1238	--
June 25, 2013	1245	--
June 25, 2013	1249	--
July 16, 2013	1620	96
July 16, 2013	1640	95
July 16, 2013	1653	92
July 16, 2013	1735	85
July 16, 2013	1810	83
August 21, 2013	1221	--
August 21, 2013	1224	--
August 21, 2013	1226	--
August 21, 2013	1233	--
August 21, 2013	1235	--
September 18, 2013	1210	--
September 18, 2013	1220	--
September 18, 2013	1231	--
September 18, 2013	1239	--
September 18, 2013	1252	--

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 1 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Sample type code	Stream width, ft (00004)	Gage height, ft (00065)	Discharge, instanta-neous, ft^3/s (00061)	Sampling method (82398)	Sampler type (84164)
February 14, 2013	**1850**	9	2,050	--	54,400	EDI	Weighted-bottle
April 9, 2013	**1700**	9	2,180	--	48,800	EDI	Weighted-bottle
June 11, 2013	**1630**	9	2,930	27.33	709,000	EDI	US D-96 bag sampler
June 25, 2013	**1150**	9	2,700	26.66	668,000	EDI	US D-96 bag sampler
July 16, 2013	**1700**	7	2,670	20.38	442,000	EDI	US D-96 bag sampler
August 21, 2013	**1150**	9	2,410	16.62	333,000	EDI	US D-96 bag sampler
September 18, 2013	**1230**	9	2,580	17.73	370,000	EDI	US D-96 bag sampler

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 2 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Purpose, site visit (50280)	Type of quality assurance data associated with sample (99111)	Type of replicate (99105)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	pH, water, unfiltered, field, standard units (00400)	Tempera-ture, water, °C (00010)	Tempera-ture, air, °C (00020)
February 14, 2013	**1850**	Fixed frequency SW	--	--	312	7.2	0.0	-17.2
April 9, 2013	**1700**	Fixed frequency SW	--	--	320	6.9	.0	-11.3
June 11, 2013	**1630**	Fixed frequency SW	--	--	174	7.8	10.6	15.5
June 25, 2013	**1150**	Fixed frequency SW	--	--	190	7.5	16.4	18.0
July 16, 2013	**1700**	Fixed frequency SW	Replicate sample	Concurrent	222	8.0	16.8	11.1
August 21, 2013	**1150**	Fixed frequency SW	Spike sample	--	244	8.0	16.7	13.0
September 18, 2013	**1230**	Fixed frequency SW	--	--	241	7.8	10.0	3.9

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 3 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per cm (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Hardness, water, mg/L as $CaCO_3$ (00900)
February 14, 2013	1850	E 6.55	0.0842	0.0632	759	2.9	20	172
April 9, 2013	1700	E 5.59	E .0742	E .0560	754	2.4	17	173
June 11, 2013	1630	315	.4895	.3684	770	8.0	71	85.6
June 25, 2013	1150	93.5	E .3755	E .2819	759	7.5	77	90.7
July 16, 2013	1700	392	.1866	.1396	--	--	--	110
August 21, 2013	1150	--	.1290	.0945	753	9.0	93	117
September 18, 2013	1230	104	.2022	.1505	761	10.5	93	120

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 4 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)	Sodium, water, filtered, mg/L (00930)	Potassium, water, filtered, mg/L (00935)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Sulfate, water, filtered, mg/L (00945)
February 14, 2013	1850	48.7	12.2	3.83	1.47	158	< 2.0	130	34.5
April 9, 2013	1700	50.1	11.5	3.83	1.41	151	< 2	124	32.0
June 11, 2013	1630	25.9	5.03	1.76	1.36	75.9	< 2.0	62.5	19.9
June 25, 2013	1150	27.0	5.63	1.87	1.43	85.2	< 2.0	70.4	23.6
July 16, 2013	1700	31.8	7.53	2.73	1.63	94	< 2	78	34.8
August 21, 2013	1150	33.4	8.20	3.10	2.02	102	< 2.0	84.3	37.7
September 18, 2013	1230	33.9	8.58	3.18	1.34	97.7	< 2.0	80.5	42.1

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 5 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constit-uents, mg/L (70301)	Nitrite, water, filtered, mg/L as N (00613)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)
February 14, 2013	**1850**	0.995	0.105	13.1	210	194	0.00192	0.206	0.204
April 9, 2013	**1700**	1.05	--	13.0	209	188	.001	.21	.206
June 11, 2013	**1630**	.53	--	4.34	120	97	.0031	.076	.073
June 25, 2013	**1150**	.616	.079	5.59	126	108	.002	.06	.061
July 16, 2013	**1700**	.816	.1	6.68	146	133	.003	.087	.084
August 21, 2013	**1150**	.839	.107	7.03	140	143	.00157	.080	.078
September 18, 2013	**1230**	.806	.098	7.30	152	146	< .0010	.101	.101

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 6 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Ammonia, water, filtered, mg/L as N (00608)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Phosphorus, water, unfiltered, mg/L as P (00665)	Phos-phorus, water, filtered, mg/L as P (00666)	Orthophos-phate, water, filtered, mg/L as P (00671)	Arsenic, water, filtered, µg/L (01000)
February 14, 2013	**1850**	--	0.0738	0.189	0.178	0.0232	< .0030	< .004	0.446
April 9, 2013	**1700**	--	.082	.16	170	.150	< .003	< .004	.390
June 11, 2013	**1630**	.452	.0226	1.14	.413	1.21	.0151	.00585	1.19
June 25, 2013	**1150**	.43	< .010	.56	.38	.259	.010	< .004	1.13
July 16, 2013	**1700**	.084	< .010	.574	.175	.694	.0052	.00671	1.02
August 21, 2013	**1150**	.205	.0105	.415	.099	.596	.0067	.00573	1.05
September 18, 2013	**1230**	.272	.0115	.429	.140	.252	.0094	.00732	.905

15565447 YUKON RIVER AT PILOT STATION, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 7 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Boron, water, filtered, µg/L (01020)	Iron, water, filtered, µg/L (01046)	Lithium, water, filtered, µg/L (01130)	Selenium, water, filtered, µg/L (01145)	Strontium, water, filtered, µg/L (01080)	Vanadium, water, filtered, µg/L (01085)	Organic carbon, water, filtered, mg/L (00681)	Inorganic carbon, suspended sediment, total, mg/L (00688)
February 14, 2013	**1850**	13.1	96.3	2.93	0.438	209	0.123	2.65	< .03
April 9, 2013	**1700**	11.3	87.8	2.80	.362	225	< .08	2.26	< .03
June 11, 2013	**1630**	6.03	418	1.78	.303	97.2	1.16	11.8	2.99
June 25, 2013	**1150**	6.64	319	1.98	.316	102	.942	9.55	E .666
July 16, 2013	**1700**	7.44	229	2.13	.379	121	.826	4.22	2.30
August 21, 2013	**1150**	12.7	144	3.12	.517	146	.768	5.11	--
September 18, 2013	**1230**	10.6	170	2.80	.500	137	.632	5.99	.718

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 8 of 8

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; 7, Replicate; 9, Regular]

Date	Sample start time	Organic carbon, suspended sediment, total, mg/L (00689)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Particulate nitrogen, suspended in water, mg/L (49570)	Suspended sediment concen-tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)
February 14, 2013	**1850**	0.465	0.483	0.040	5	734	--
April 9, 2013	**1700**	E .455	E .455	E .050	5	659	90
June 11, 2013	**1630**	7.96	11.0	.705	1,040	1,990,000	74
June 25, 2013	**1150**	E 4.67	E 5.34	E .381	454	819,000	73
July 16, 2013	**1700**	5.70	7.90	.460	576	687,000	90
August 21, 2013	**1150**	--	--	--	477	429,000	96
September 18, 2013	**1230**	3.33	4.05	.225	222	222,000	85