



Water-Data Report 2010

701641151284400 BLACKFISH CREEK NEAR NUIQSUT, AK

Barrow Basin
Harrison Bay Subbasin

LOCATION.--Lat 70°16'41", long 151°28'44" referenced to North American Datum of 1983, in NE ¼ NE ¼ SW ¼ sec.30, T.11 N., R.3 E., North Slope Borough, AK, Hydrologic Unit 19060205.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2010.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Sample start time	Medium code	Sample type code	Temperature, air, °C (00020)	Discharge, instantaneous, ft ³ /s (00061)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, μS/cm at 25 °C (90095)	Specific conductance, water, unfiltered, laboratory, μS/cm at 25 °C (00095)
July 9, 2010	1350	WS	9	22.5	E .64	7.9	7.8	108	100

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Temperature, water, °C (00010)	Stream width, ft (00004)	1,2-Dichloroethane-d4, surrogate, water, unfiltered, percent recovery (99832)	1-Bromo-4-fluorobenzene, surrogate, water, unfiltered, percent recovery (99834)	Toluene-d8, surrogate, water, unfiltered, percent recovery (99833)	Sample purpose (71999)	Sample splitter type, field (84171)	Sampler type (84164)
July 9, 2010	16.0	7.00	132.72	87.95	86.82	Routine	CS p 8L cooler spgt	US DH-81

701641151284400 BLACKFISH CREEK NEAR NUIQSUT, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Sampling method (82398)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, fixed endpoint titration, laboratory, mg/L as CaCO ₃ (29801)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)
July 9, 2010	EWI	80	13.3	2.78	.547	5.05	33.6	31	38

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 4 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L as N (00613)
July 9, 2010	< 2	15.8	< .08	.202	< .18	< .02	< .016	< .016	< .002

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 5 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Aluminum, water, filtered, μg/L (01106)	Barium, water, filtered, μg/L (01005)	Beryllium, water, filtered, μg/L (01010)
July 9, 2010	< .008	< .006	.0105	.402	.448	E 3.36	43.0	< .012

701641151284400 BLACKFISH CREEK NEAR NUIQSUT, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 6 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Cadmium, water, filtered, μg/L (01025)	Chromium, water, filtered, μg/L (01030)	Cobalt, water, filtered, μg/L (01035)	Copper, water, filtered, μg/L (01040)	Iron, water, filtered, μg/L (01046)	Lead, water, filtered, μg/L (01049)	Lithium, water, filtered, μg/L (01130)	Manga nese, water, filtered, μg/L (01056)	Molyb denum, water, filtered, μg/L (01060)
July 9, 2010	< .02	< .12	2.96	< 1	188	< .030	.737	15.0	.0349

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 7 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Nickel, water, filtered, μg/L (01065)	Silver, water, filtered, μg/L (01075)	Strontium, water, filtered, μg/L (01080)	Thallium, water, filtered, μg/L (01057)	Vanadium, water, filtered, μg/L (01085)	Zinc, water, filtered, μg/L (01090)	Antimony, water, filtered, μg/L (01095)	Arsenic, water, filtered, μg/L (01000)	Boron, water, filtered, μg/L (01020)
July 9, 2010	1.22	< .010	28.2	< .020	.193	< 2.8	.171	.268	2.93

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 8 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Selenium, water, filtered, μg/L (01145)	1,2- 1,2,3-Tri	1,2- Dibromo-3-	1,2- Dibromo	1,2-Di	1,2- Dichloro	1,3-Di	1,4- Dichloro	Acrylo
		chloro propane, water, unfiltered, recover able, μg/L (77443)	chloro propane, water, unfiltered, recover able, μg/L (82625)	ethane, water, unfiltered, recover able, μg/L (77651)	ethane, water, unfiltered, recover able, μg/L (32103)	propane, water, unfiltered, recover able, μg/L (34541)	propane, water, unfiltered, recover able, μg/L (77173)	benzene, water, unfiltered, recover able, μg/L (34571)	nitrile, water, unfiltered, recover able, μg/L (34215)
July 9, 2010	E .0304	< .2	< .5	< .2	< .2	< .1	< .2	< .1	< 2.5

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 9 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Bromo methane, water, unfiltered, recover able, μg/L (34413)	cis-1,3-Di chloro propene, water, unfiltered, recover able, μg/L (34704)	trans-1,3- Di chloro propene, water, unfiltered, recover able, μg/L (34699)	1,1,1,2- Tetra chloro ethane, water, unfiltered, recover able, μg/L (77562)	1,1,1-Tri chloro ethane, water, unfiltered, recover able, μg/L (34506)	1,1,2,2- Tetra chloro ethane, water, unfiltered, recover able, μg/L (34516)	1,1,2-Tri chloro- 1,2,2- trifluoro ethane, water, unfiltered, recover able, μg/L (77652)	1,1,2-Tri chloro ethane, water, unfiltered, recover able, μg/L (34511)	1,1-Di chloro ethane, water, unfiltered, recover able, μg/L (34496)
	July 9, 2010	< .4	< .2	< .2	< .2	< .1	< .2	< .1	< .2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 10 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	1,1-Di chloro ethene, water, unfiltered, recover able, μg/L (34501)	1,1-Di chloro propene, water, unfiltered, recover able, μg/L (77168)	1,2,3-Tri chloro benzene, water, unfiltered, recover able, μg/L (77613)	1,2,4-Tri chloro benzene, water, unfiltered, recover able, μg/L (34551)	1,2,4-Tri methyl benzene, water, unfiltered, recover able, μg/L (77222)	1,2- Dichloro benzene, water, unfiltered, recover able, μg/L (34536)	1,3,5-Tri methyl benzene, water, unfiltered, recover able, μg/L (77226)	1,3- Dichloro benzene, water, unfiltered, recover able, μg/L (34566)	2,2-Di chloro propane, water, unfiltered, recover able, μg/L (77170)
	July 9, 2010	< .1	< .2	< .2	< .2	< .2	< .1	< .2	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 11 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	2-Chloro toluene, water, unfiltered, recover able, μg/L (77275)	4-Chloro toluene, water, unfiltered, recover able, μg/L (77277)	4-Iso propyl toluene, water, unfiltered, recover able, μg/L (77356)	Benzene, water, unfiltered, recover able, μg/L (34030)	Bromo benzene, water, unfiltered, recover able, μg/L (81555)	Bromo chloro methane, water, unfiltered, recover able, μg/L (77297)	Bromo dichloro methane, water, unfiltered, recover able, μg/L (32101)	Chloro benzene, water, unfiltered, recover able, μg/L (34301)	Chloro ethane, water, unfiltered, recover able, μg/L (34311)
	July 9, 2010	< .2	< .2	< .2	< .1	< .2	< .2	< .1	< .1

701641151284400 BLACKFISH CREEK NEAR NUIQSUT, AK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 12 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Chloro methane, water, unfiltered, recoverable, μg/L (34418)	cis-1,2-Di chloro ethene, water, unfiltered, recoverable, μg/L (77093)	Dibromo chloro methane, water, unfiltered, recoverable, μg/L (32105)	Dibromo methane, water, unfiltered, recoverable, μg/L (30217)	Di chloro difluoro methane, water, unfiltered, recoverable, μg/L (34668)	Dichloro methane, water, unfiltered, recoverable, μg/L (34423)	Ethyl benzene, water, unfiltered, recoverable, μg/L (34371)	Hexa chloro butadiene, water, unfiltered, recoverable, μg/L (39702)	Iso propyl benzene, water, unfiltered, recoverable, μg/L (77223)
July 9, 2010	< .2	< .1	< .2	< .2	< .2	< .2	< .1	< .2	< .2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 13 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Methyl tert-butyl ether, water, unfiltered, recoverable, μg/L (78032)	Naphthalene, water, unfiltered, recoverable, μg/L (34696)	n-Butyl benzene, water, unfiltered, recoverable, μg/L (77342)	n-Propyl benzene, water, unfiltered, recoverable, μg/L (77224)	Organic carbon, water, filtered, mg/L (00681)	sec-Butyl benzene, water, unfiltered, recoverable, μg/L (77350)	Styrene, water, unfiltered, recoverable, μg/L (77128)	tert-Butylbenzene, water, unfiltered, recoverable, μg/L (77353)	Tetra chloro ethene, water, unfiltered, recoverable, μg/L (34475)
July 9, 2010	< .2	< .5	< .2	< .2	6.62	< .2	< .1	< .2	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 14 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Tetra chloro methane, water, unfiltered, recoverable, μg/L (32102)	Toluene, water, unfiltered, recoverable, μg/L (34010)	trans-1,2-Di chloro ethene, water, unfiltered, recoverable, μg/L (34546)	Tribromo methane, water, unfiltered, recoverable, μg/L (32104)	Tri chloro ethene, water, unfiltered, recoverable, μg/L (39180)	Tri chloro fluoro methane, water, unfiltered, recoverable, μg/L (34488)	Tri chloro methane, water, unfiltered, recoverable, μg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, μg/L (39175)	Xylene (all isomers), water, unfiltered, recoverable, micrograms per liter (81551)
July 9, 2010	< .2	< .1	< .1	< .2	< .1	< .2	< .1	< .2	< .2

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WATER YEAR OCTOBER 2009 TO
SEPTEMBER 2010**

Part 15 of 15

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; WS, Surface water; <, less than; E, estimated; 9, Regular]

Date	Uranium (natural), water, filtered, μg/L (22703)
July 9, 2010	E .0073