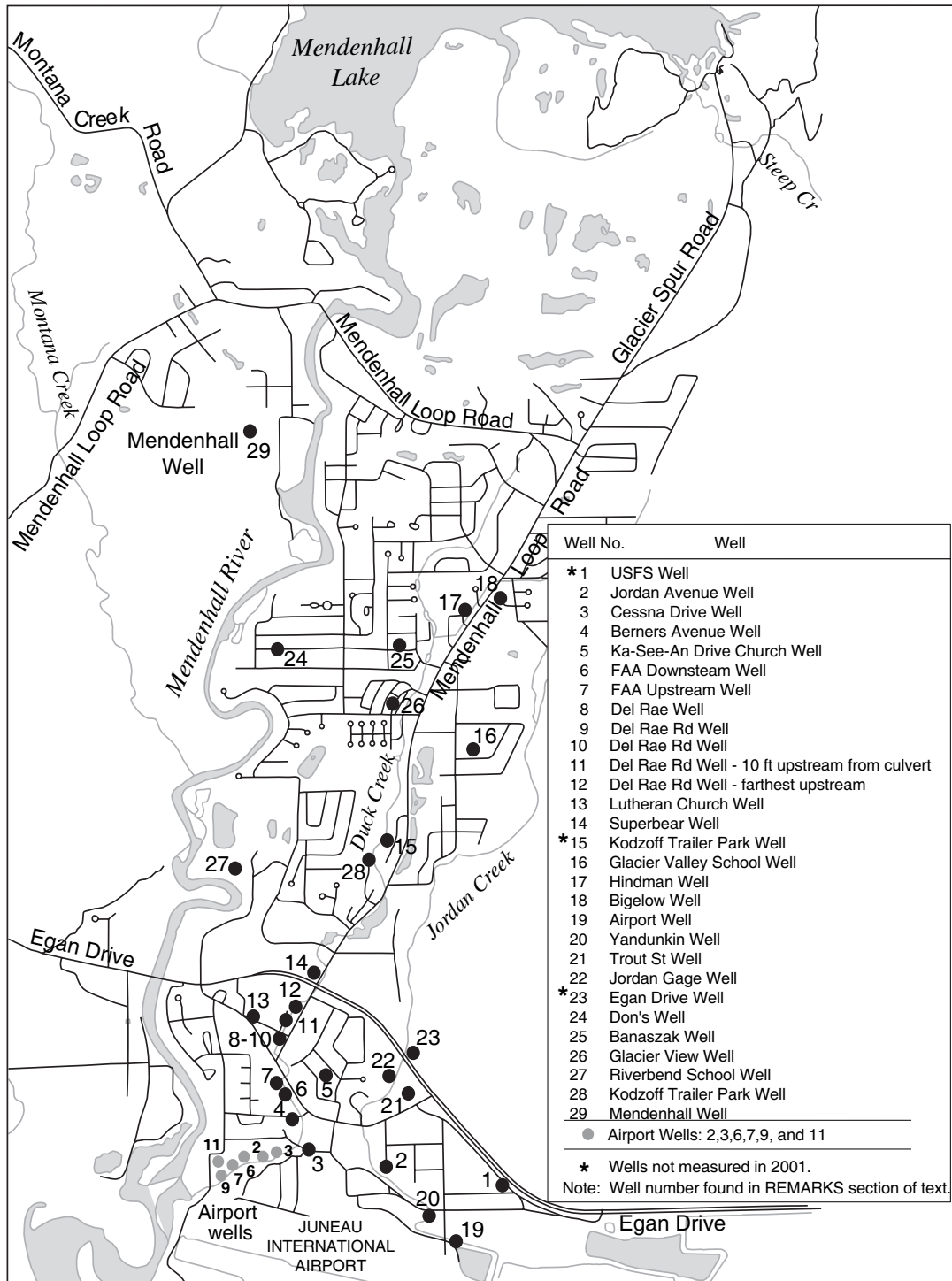


GROUND-WATER LEVEL DATA



Location of Mendenhall Valley wells.

## SOUTHEAST ALASKA

## JUNEAU

**582136134344802. Local number, CD04006631ACBC1015.**

LOCATION.--Lat 58°21'36", long 134°34'48", in NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301.

Well located about 20 ft southeast of a trail running between the intersection of Jordan Avenue and Teal Street, about 50 ft south of Teal Street, and about 20 ft northeast of a footbridge over Jordan Creek, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 8 ft, screen opening from 6 to 8 ft using a sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 19.84 ft above sea level (determined by levels survey). Measuring point: Top of casing, 0.6 ft above land-surface datum.

REMARKS.--Well drilled May 1997 by USGS, designated as Duck Creek #2 (Jordan Avenue Well). Area near well is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.1 ft above land-surface datum, July 13, 1997; lowest, 3.96 ft below land-surface datum, June 11, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 26	3.32	May 25	3.48
May 03	3.53	June 02	3.60
May 08	3.70	Jun 11	3.96
May 14	3.54	Aug 20	2.77
May 17	3.41	Sep 27	0.52

**582146134351701. Local number, CD04006631BBDD1016.**

LOCATION.--Lat 58°21'46", long 134°35'17", in SE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301.

Well located near the left bank of Duck Creek, about 10 ft northwest of the intersection of Cessna Drive and Alex Holden Way, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 12 ft, screen opening from 10 to 12 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 25.35 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.88 ft above land-surface datum.

REMARKS.--Well drilled May 1997 by USGS, designated as Duck Creek #3 (Cessna Drive Well).

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.9 ft below land-surface datum, July 13, 1997; lowest, 10.54 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	9.78	Jun 02	10.35
Apr 26	10.19	June 21	9.94
May 03	10.42	July 06	9.80
May 08	10.54	Aug 10	9.38
May 14	10.32	Aug 20	8.92
May 17	10.04	Sep 27	7.50
May 25	10.32		

## GROUND-WATER LEVEL DATA

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582147134351401. Local number, CD04006631BBDB1017.**

LOCATION.--Lat 58°21'47", long 134°35'14", in SE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301.

Well located near the right bank of Duck Creek, about 70 ft downstream of the Berners Avenue crossing, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 8.8 ft, screen opening 6.8 to 8.8 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 19.52 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.9 ft above land-surface datum.

REMARKS.--Well drilled 1997 by USGS, designated as Duck Creek #4 (Berners Avenue Well). Water from well was sampled for water quality on September 5, 1997, January 29, 1998, and September 3, 1998.

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft below land-surface datum, September 3, 1998, and September 28, 2003; lowest, 4.58 ft below land-surface datum, May 08, 2003

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	3.87	Jun 11	4.55
Apr 26	4.24	Jun 21	3.90
May 03	4.44	Jul 06	3.70
May 08	4.58	Aug 10	3.22
May 14	4.36	Aug 20	2.65
May 17	4.18	Sep 27	0.77
May 25	4.34	Sep 28	0.20
Jun 02	4.34		

**582154134350501. Local number, CD04006630CDCB1027.**

LOCATION.--Lat 58°21'54", long 134°35'05", in SW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301.

Well located 15 ft east of a tributary to Duck Creek and about 1,200 ft northwest of Jordan Creek, 90 ft southwest of the First Church of God on Ka-See-An Drive, Juneau. Owner: First Church of God.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in steel casing., depth 17.5 ft, screen opening from 15.5 to 17.5 ft using a sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, or U.S. Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 26.30 ft above sea level (determined by levels survey). Measuring point: Top of casing 2.05 ft above land-surface datum.

REMARKS.--Well drilled June 1997 by USGS, designated as Duck Creek #5 (Ka-See-An Drive Church Well).

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.41 ft below land-surface datum, October 23, 1999; lowest, 10.43 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	10.00	Jun 02	10.25
Apr 26	10.14	Jun 11	10.33
May 03	10.29	Jun 21	9.80
May 08	10.43	Jul 06	9.28
May 14	10.38	Aug 10	8.66
May 17	10.19	Aug 20	7.95
May 25	10.22	Sep 27	5.53

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582156134351701. Local number, CD04006631BBBA1018.**

LOCATION.--Lat 58°21'56", long 134°35'17", in NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located in Duck Creek channel about 90 ft downstream from driveway crossing to Federal Aviation Administration building, about 50 ft southwest of Old Glacier Highway, Juneau. Owner: Federal Aviation Administration.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 11 ft, screen opening from 9 to 11 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 18.48 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.86 ft above land-surface datum.

REMARKS.--Well drilled May 1997 by USGS, designated as Duck Creek #6 (FAA Downstream Well). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.7 ft above land surface datum, July 13 and August 14, 1997; lowest, 3.90 ft below land-surface datum, May 25, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	3.75	Jun 02	3.78
Apr 26	3.82	Jun 11	3.88
May 03	3.75	Jun 21	3.22
May 08	3.72	July 06	2.72
May 14	3.75	Aug 10	1.78
May 17	3.83	Aug 20	0.94
May 25	3.90		

**582158134352001. Local number, CD04006630CCCD2017.**

LOCATION.--Lat 58°21'58", long 134°35'20", in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well is located in Duck Creek channel, 20 ft upstream from driveway crossing to Federal Aviation Administration building, about 50 ft southwest of Old Glacier Highway, Juneau. Owner: Federal Aviation Administration.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 12 ft, screen opening from 10 to 12 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 19.62 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.2 ft above land-surface datum.

REMARKS.--Well drilled May 8, 1997 by USGS, designated as Duck Creek #7 (FAA Upstream Well). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.7 ft above land surface datum, July 13 and August 14, 1997; lowest, 4.89 ft below land-surface datum, June 11, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	3.42	Jun 02	4.84
Apr 26	3.89	Jun 11	4.89
May 03	4.30	Jun 21	4.74
May 08	4.53	Jul 06	4.36
May 14	4.75	Aug 10	4.06
May 17	4.78	Aug 20	3.10
May 25	4.88		

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582203134351601. Local number, CD04006630CCDB1028.**

LOCATION.--Lat 58°22'03", long 134°35'16", in SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 quad), Hydrologic Unit 19010301.

Well located on left bank of Duck Creek about 55 ft downstream from Del Rae Road crossing, 25 ft from Mendenhall Loop Road, and 0.25 mi. south of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. steel casing, depth 14 ft, screen opening from 12 to 14 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 23.10 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.56 ft above land-surface datum.

REMARKS.--Well drilled May 6, 1997 by USGS, designated as Duck Creek #10 (Del Rae Road Well). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.22 ft below land surface datum, December 30, 1999; lowest, 8.04 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 10	1.30	May 17	7.74
Apr 19	7.57	May 25	7.81
Apr 26	7.88	Jun 21	6.84
May 03	7.88	Jul 06	6.83
May 08	8.04	Aug 10	5.54
May 14	7.87	Aug 20	3.04

**582203134351701. Local number, CD04006630CCBD3015.**

LOCATION.--Lat 58°22'03", long 134°35'17", in NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located on left bank of Duck Creek, 30 ft downstream from Del Rae Road crossing, and 0.25 mi. south of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. PVC casing, depth 11 ft, perforated from 9 to 11 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 22.14 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.30 ft above land-surface datum.

REMARKS.--Well drilled May 6, 1997 by USGS, designated as Duck Creek #9 (Del Rae Road Well). Well is near stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft above land surface datum, August 14, 1997; lowest, 8.39 ft below land-surface datum, May 6, 1997.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 10	0.20	May 25	7.06
Apr 19	6.90	Jun 02	6.90
Apr 26	7.08	Jun 11	6.94
May 03	7.16	Jun 21	6.06
May 08	7.30	Jul 06	5.15
May 14	7.14	Aug 10	4.82
May 17	7.00	Aug 20	1.98

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582203134351901. Local number, CD04006630CCBD2015.**

LOCATION.--Lat 58°22'03", long 134°35'19", in NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located on right bank of Duck Creek, 75 ft downstream from Del Rae Road crossing and 0.25 mi. south of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in. steel casing, depth 15 ft, screen opening from 12 to 15 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 33 ft above sea level (determined from topographic map). Measuring point: Top of casing 1.66 ft above land-surface datum.

REMARKS.--Well drilled May 6, 1997 by USGS, designated as Duck Creek #8 (Del Rae Well). Well is near stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.15 ft above land surface datum, October 11, 2001, lowest, 9.40 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	9.02	May 25	9.20
Apr 26	9.18	Jun 02	9.06
May 03	9.32	Jun 11	9.08
May 08	9.40	Jun 21	8.24
May 14	9.32	Jul 06	7.24
May 17	9.15	Aug 20	4.20

**582206134351401. Local number, CD04006630CCAC1029.**

LOCATION.--Lat 58°22'06", long 134°35'14", in NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located in Duck Creek stream channel, 12 ft upstream from Del Rae Road crossing, 900 ft southwest of intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in PVC casing., depth 12 ft, slotted from 10 to 12 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 21.25 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.8 ft above land-surface datum.

REMARKS.--Well drilled May 7, 1997 by USGS, designated as Duck Creek #11 (Del Rae Road Well, 10 ft upstream from culvert). Well is in stream channel and is intermittently flooded. Water level often above top of casing. Unknown debris placed inside well casing at about 3.6 ft below land surface sometime prior to March 12, 1998. Water levels cannot be determined below the obstruction, but water levels above the obstruction appear to representative of aquifer conditions.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.4 ft above land-surface datum, July 13, 1997; lowest, 5.35 ft below land-surface datum, May 15, 2000.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	O	May 25	O
Apr 26	O	Jun 02	O
May 03	O	Jun 21	O
May 08	O	Jul 06	O
May 14	O	Aug 10	O
May 17	O	Aug 20	0.00

O -- Obstruction at about 2.4 ft below land surface datum.

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582208134351201. Local number, CD04006630CCAB1030.**

LOCATION.--Lat 58°22'08", long 134°35'12", in NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301.

Well located mid-channel of Duck Creek, about 130 ft upstream from Del Rae Road crossing, and 700 ft southwest of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. PVC casing, depth 11 ft, slotted from 7 to 10 ft.

INSTRUMENTATION.-- Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 21.22 ft above sea level (determined by levels survey). Measuring point: Top of casing 2.14 ft above land-surface datum.

REMARKS.--Well drilled May 7, 1997 by USGS, designated as Duck Creek #12 (Del Rae Road Well, farthest upstream). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.79 ft above land-surface datum, October 11, 2001; lowest, 5.96 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	5.48	Jun 02	5.51
Apr 26	5.75	Jun 11	5.49
May 03	5.80	Jun 21	4.42
May 08	5.96	Jul 06	3.24
May 14	5.65	Aug 10	3.24
May 17	5.58	Aug 20	-0.20
May 25	5.66		

Minus sign indicates water level above land-surface datum.

**582208134352601. Local number, CD04006630CCBB1031.**

LOCATION.--Lat 58°22'08", long 134°35'26", in NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located near a church parking lot, 55 ft northeast of Del Rae Road, and 105 ft southeast of the Lutheran Church, Juneau. Owner: Lutheran Church.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 15 ft, screen opening from 13 to 15 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 26.74 ft above sea level (determined by levels survey). Measuring point: Top of steel coupling at top of casing 2.8 ft above land-surface datum.

REMARKS.--Well drilled June 1997 by USGS, designated as Duck Creek #13 (Lutheran Church Well). Well casing filled with sediment to about 12.2 ft.

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.06 ft below land-surface datum, September 28, 2003; lowest, dry, March 21 and April 8, 2000.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 10	7.18	Jun 02	12.14
Apr 19	12.19	Jun 11	12.09
Apr 26	12.56	Jun 21	11.16
May 03	12.47	Jul 06	10.37
May 08	12.66	Aug 10	10.10
May 14	12.58	Aug 20	8.60
May 17	12.32	Sep 28	6.06
May 25	12.40		

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582215134350501. Local number, CD04006630CBAD1032.**

LOCATION.--Lat 58°22'15", long 134°35'05", in NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301.

Well located near right bank of Duck Creek, 20 ft upstream from a footbridge and 225 ft upstream from the intersection of Egan Drive and Mendenhall Loop Road, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 12 ft, screen opening from 10 to 12 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 25.04 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.70 ft above land-surface datum.

REMARKS.--Well drilled May 21, 1997 by USGS, designated as Duck Creek #14 (Superbear Well).

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 1.16 ft below land-surface datum, September 28, 2003; lowest, 6.77 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Apr 19	6.07	Jun 02	5.81
Apr 26	6.38	Jun 11	5.78
May 03	6.60	Jun 21	4.58
May 08	6.77	Jul 06	2.90
May 14	6.35	Aug 10	2.83
May 17	6.13	Aug 20	2.74
May 25	5.91	Sep 28	1.16

**582240134344501. Local number, CD04006630BADA2033.**

LOCATION.--Lat 58°22'40", long 134°34'45", in SE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 NW quad) Hydrologic Unit 19010301.

Well located about 270 ft up a trail from the northern end of the road through Kodzoff #1 trailer Park, Juneau. Owner: Goldbelt Corporation

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2.0-in. steel casing, depth 18.5 ft. Two pipe wrenches are needed to open well.

INSTRUMENTATION.-- Intermittent measurements with chalked steel tape by USGS personnel February 2001 to September 2003; submersible pressure transducer/electric data logger from February 2001 to September 2002.

DATUM.--Elevation of land-surface datum is 40.57 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.70 ft above land-surface datum.

REMARKS.--Well drilled October 27, 2000, designated as Kodzoff Trailer Park Well.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.91 ft below land-surface datum, August 29-30, 2002; lowest, 12.05 ft below land-surface datum, May 8-10, 2002.

EXTREMES FOR CURRENT YEAR.-- Highest water level measured, 8.15ft below land-surface-datum, September 29, 2003; lowest, 11.32 ft below land-surface-datum, May 02, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 02	8.97	Jun 06	10.75
Dec 06	8.70	Jul 11	10.08
Mar 18	10.56	Aug 19	9.25
Apr 04	10.70	Sep 29	8.15
May 02	11.32		



## GROUND-WATER LEVEL DATA

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582240134352901. Local number, CD04006630BBCB1036.**

LOCATION.--Lat 58°22'40", long 134°35'29", in SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 30, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located at northeast edge of baseball field at Riverbend School on Riverside Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.-- Diameter 2.0-in. PVC casing, depth 15.9 ft, slotted from 5 to 15 ft.

INSTRUMENTATION.-- Intermittent measurements with chalked steel tape by USGS personnel April 2001 to October 2003; submersible pressure transducer/electric data logger May 2001 to March 22, 2002 and August 22, 2002 to September 30, 2002.

DATUM.-- Elevation of land-surface datum is 31.95 ft above sea level (determined by survey grade GPS). Measuring point: Top of casing 0.20 ft below land-surface datum April 2001 to July 24, 2002; then 0.73 ft. above land-surface datum to current year.

REMARKS.-- Well drilled December 15, 1998 by Hart Crowser, Inc., designated as Riverbend School well.

PERIOD OF DAILY RECORD.-- April 2001 to March 22, 2002; August 22, 2002 to September 30, 2002.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level recorded, 3.58 ft below land-surface datum, August 31, 2002; lowest, 11.49 ft. below land-surface datum, March 22-23, 2002, but may have been lower during period of missing record, March 23-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.12 ft below land-surface datum, September 30, 2003; lowest, 9.28ft. below land-surface datum, April 01, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 02	5.13	Jun 06	8.70
Dec 06	6.95	Jul 10	7.15
Mar 18	9.13	Aug 19	6.43
Apr 01	9.28	Sep 30	5.12
May 02	8.95		

**582306134344001. Local number, CD04006619DBCB1056.**

LOCATION.--Lat 58°23'06", long 134°34'40", in SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> sec. 19, T.40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301, Well is the northernmost of two wells (southernmost has casing welded shut), located about 300 ft west of Duck Creek, about 300 ft north of Stephen Richards Drive, Juneau. Owner: Glacier View Trailer Park.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2.0 in., depth 52.7 ft.

INSTRUMENTATION.--Intermittent measurement with chalked steel tape by U.S. Geological Survey April 2000 to April 2001. Electronic data logger and submersible pressure transducer April 2001 to September 2001.

DATUM.--Elevation of land-surface datum is 45.4 ft above sea level (determined by survey-grade GPS). Measuring point: Top of casing 1.4 ft above land-surface datum.

REMARKS.--Record good. Well also known as Glacier View Well.

PERIOD OF RECORD.--April 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.78 ft below land-surface datum, July 22, 2001; lowest water level measured, 9.24 ft below land-surface datum, March 18, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 02	7.42	Jun 06	8.75
Oct 04	7.53	Jul 11	8.18
Dec 06	7.38	Aug 19	7.68
Mar 18	9.24	Sep 29	6.02
May 02	9.19		

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582314134344801. Local number, CD04006619BDDD1055.**

LOCATION.--Lat 58°23'14", long 134°34'48", in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located near the northwest corner of garage at 9002 Gee Street, Juneau. Owner: Tim and Debbie Banaszak.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2.0 in., depth 44.2 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS personnel February 2001 to current year; submersible pressure transducer/electic data logger October 1, 2001 to current year.

DATUM.--Elevation of land-surface datum is 46.4 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.80 ft above land-surface datum.

REMARKS.--Well designated as Banaszak well.

PERIOD OF RECORD.--February 2001 to April 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.19 ft below land-surface datum, October 22, 2002; lowest, 9.54 ft below land-surface datum, April 18, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 4.19 ft below land-surface datum, October 22; lowest, 9.23 ft below land-surface datum, April 11 and 12.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.18	7.23	5.98	8.13	8.16	8.74	8.90	---	---	---	---	---
2	7.15	7.36	6.18	8.01	8.16	8.63	8.90	---	---	---	---	---
3	7.18	7.49	6.43	8.03	8.06	8.50	8.92	---	---	---	---	---
4	7.21	7.57	6.64	7.83	7.97	8.25	9.00	---	---	---	---	---
5	7.33	7.65	6.93	7.33	7.97	8.24	9.02	---	---	---	---	---
6	7.09	7.67	7.16	7.12	8.03	8.31	9.04	---	---	---	---	---
7	6.63	7.73	7.31	7.10	8.12	8.39	9.05	---	---	---	---	---
8	6.14	7.75	7.28	7.25	8.21	8.51	9.12	---	---	---	---	---
9	6.09	7.83	6.95	7.31	8.28	8.54	9.15	---	---	---	---	---
10	6.23	7.94	6.90	7.42	8.37	8.64	9.15	---	---	---	---	---
11	6.46	8.02	6.85	7.58	8.40	8.73	9.15	---	---	---	---	---
12	6.62	8.02	6.60	7.68	8.40	8.73	9.22	---	---	---	---	---
13	6.62	8.07	6.57	7.87	8.43	8.73	9.18	---	---	---	---	---
14	6.80	8.12	6.64	7.93	8.45	8.83	9.18	---	---	---	---	---
15	6.99	8.05	6.90	8.08	8.49	8.93	9.15	---	---	---	---	---
16	6.09	8.01	7.11	8.16	8.55	9.03	9.11	---	---	---	---	---
17	5.29	8.10	7.28	7.87	8.60	9.06	---	---	---	---	---	---
18	5.29	7.91	7.42	7.69	8.65	9.06	---	---	---	---	---	---
19	5.49	7.60	7.57	7.53	8.67	8.94	---	---	---	---	---	---
20	5.38	7.43	7.63	7.34	8.74	8.93	---	---	---	---	---	---
21	4.46	7.43	7.76	7.35	8.80	8.87	---	---	---	---	---	---
22	4.19	7.49	7.89	7.40	8.89	8.83	---	---	---	---	---	---
23	4.44	7.53	7.68	7.50	8.91	8.88	---	---	---	---	---	---
24	5.10	7.63	7.57	7.71	8.94	8.91	---	---	---	---	---	---
25	5.68	7.60	7.56	7.83	8.94	8.91	---	---	---	---	---	---
26	6.08	6.57	7.65	7.81	9.00	8.97	---	---	---	---	---	---
27	6.21	6.29	7.85	8.01	8.95	9.04	---	---	---	---	---	---
28	6.35	6.27	7.95	8.16	8.95	9.04	---	---	---	---	---	---
29	6.55	6.29	8.00	8.21	---	8.97	---	---	---	---	---	---
30	6.81	5.98	8.05	8.12	---	8.91	---	---	---	---	---	---
31	7.04	---	8.15	8.09	---	8.89	---	---	---	---	---	---

## GROUND-WATER LEVEL DATA

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582314134351201. Local number, CD04006619BCDD2020.**

LOCATION.--Lat 58°23'14", long 134°35'12", in SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301.

Well located near the northwest corner of garage at 9220 Gee Street, Juneau. Owner: Don Thomas

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. steel casing, depth 49.1 ft, screen opening from 46.1 to 49.1 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS personnel April 2000 to January 2001; submersible pressure transducer/electric data logger January 2001 to current year.

DATUM.--Elevation of land-surface datum is 43.09 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.92 ft above land-surface datum.

REMARKS.--Well drilled 1974, designated as Don's well. Missing record October 1, 2002 to March 18, 2003, due to equipment malfunction.

Tranducer range was exceeded during periods of high water in July, August, and September 2003.

PERIOD OF RECORD.--April 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.40 ft below land-surface datum, August 13, 2002; lowest, 10.61 ft below land-surface datum, April 18, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, not determined, range of transducer exceeded during periods of highest water levels; lowest during period March to September, 10.55 ft below land-surface datum, April 12.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	10.25	9.70	9.02	7.58	7.28	---
2	---	---	---	---	---	---	10.23	9.65	8.93	7.55	7.37	---
3	---	---	---	---	---	---	10.26	9.66	8.93	7.36	7.37	---
4	---	---	---	---	---	---	10.31	9.69	8.98	---	7.58	---
5	---	---	---	---	---	---	10.32	9.65	8.94	---	7.68	---
6	---	---	---	---	---	---	10.30	9.65	8.65	7.51	7.81	---
7	---	---	#8.84	---	---	---	10.33	9.79	8.62	7.67	7.63	---
8	---	---	---	---	---	---	10.41	9.98	8.68	7.71	7.56	---
9	---	---	---	---	---	---	10.47	10.01	8.73	7.63	7.47	---
10	---	---	---	---	---	---	10.44	10.00	8.56	7.57	7.47	---
11	---	---	---	---	---	---	10.44	9.94	8.44	7.44	7.80	---
12	---	#9.25	---	---	---	---	10.48	9.82	8.41	7.42	7.86	---
13	---	---	---	---	---	---	10.42	9.70	8.45	7.42	7.81	---
14	---	---	---	---	---	---	10.41	9.61	8.43	7.54	7.32	---
15	---	---	---	---	---	---	10.38	9.57	8.58	7.70	---	---
16	---	---	---	---	---	---	10.32	9.62	8.71	7.80	---	---
17	---	---	---	---	---	---	10.28	9.71	8.49	7.87	---	7.50
18	---	---	---	---	---	---	10.25	9.75	8.18	7.69	---	7.72
19	---	---	---	---	---	10.25	10.29	9.73	7.79	7.62	#7.26	8.00
20	---	---	---	---	---	10.23	10.35	9.68	7.64	7.57	---	7.90
21	---	---	---	---	---	10.21	10.33	9.61	7.71	7.44	---	7.54
22	---	---	---	---	---	10.16	10.27	9.61	7.99	7.41	7.23	7.50
23	---	---	---	---	---	10.30	10.30	9.45	8.15	7.49	7.61	7.63
24	---	---	---	---	---	10.31	10.33	9.30	8.26	7.85	7.96	7.50
25	---	---	---	---	---	10.31	10.12	9.26	8.23	7.89	7.94	---
26	---	---	---	---	---	10.37	9.89	9.13	7.92	8.08	7.93	---
27	---	#7.55	---	---	---	10.46	9.83	9.06	7.76	7.86	8.14	---
28	---	---	---	---	---	10.36	9.75	8.99	7.76	7.69	8.12	---
29	---	---	---	---	---	10.30	9.74	8.99	7.88	---	8.06	---
30	---	---	---	---	---	10.26	9.73	8.98	7.90	---	7.63	---
31	---	---	---	---	---	10.22	---	9.01	---	---	---	---

# -- Result of tape down.

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582322134341001. Local number, CD04006619ACAB1050.**

LOCATION.--Lat 58°23'20", long 134°34'17", in NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301.

Well located at 3737 North El Camino Street, 30 ft west of the southwest corner of the house and 70 ft from North El Camino Street, Juneau.

Owner: Nicholas Hindman.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 15 ft, screen opening from 2.5 to 4.7 ft, open hole.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel July 1997 to current year.

DATUM.--Elevation of land-surface datum is 43.87 ft above sea level (determined from levels survey). Measuring point: Top of casing 1.2 ft above land-surface datum.

REMARKS.--Well drilled July 7, 1997 by USGS, designated as Duck Creek #17 (Hindman Well). Well sampled for water quality, September 3, 1997, January 26, 1998, and September 3, 1998.

PERIOD OF RECORD.--July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft below land-surface datum, October 23, 1999; lowest, 3.10 ft below land-surface datum, May 08, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 10	1.20	May 25	2.25
Apr 19	2.35	Jun 21	1.88
Apr 26	2.68	Jul 06	1.97
May 03	2.93	Aug 10	2.16
May 08	3.10	Aug 20	1.58
May 14	O	Sep 28	1.00
May 17	2.08		

O -- Obstruction at about 4.25 bl. LSD.

**582326134341901. Local number, CD04006619ADBA1011.**

LOCATION.--Lat 58°23'36", long 134°34'19", in NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301.

Well located 6 ft southeast of a bike path, 25 ft southeast of Mendenhall Loop Road, and about 450 ft southwest of intersection of Mendenhall Loop Road and Valley Boulevard, Juneau. Owner: Bruce B. Bigelow.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. galvanized iron casing, depth 15 ft, screen opening from 11 to 15 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS and University of Alaska-Southeast personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 45.76 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.3 ft above land-surface datum.

REMARKS.--Well drilled June 23, 1997 by USGS, designated as Duck Creek #18 (Bigelow Well).

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.01 ft above land-surface datum, July 25 and August 12, 1997; lowest, 2.55 ft below land-surface datum, April 23, 1999.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 10	2.28	Jun 02	1.72
Apr 19	1.61	Jun 11	1.91
Apr 26	2.03	Jun 21	1.82
May 08	2.05	Jul 06	1.59
May 14	1.85	Aug 10	1.74
May 17	1.70	Aug 20	1.66
May 25	1.81	Sep 28	0.45

## GROUND-WATER LEVEL DATA

## SOUTHEAST ALASKA

## JUNEAU—Continued

**582359134352103. Local number, CD04006618CBCA3019.**

LOCATION.--Lat 58°23'59", long 134°35'21", SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec.18, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301,

Well is located in steel gage house by sewage treatment plant on Riverbend Road, 1/4 mile off of the Mendenhall Loop Road, Juneau. Owner: Harlan Olsen.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6-in. PVC casing, depth 40 ft, screen opening from 30 to 40 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, November 1983 to current year; continuous strip-chart recorder, November 1983 to August 1984; Digital recorder, August 1984 to April 1997; submersible pressure transducer/electric data logger, August 1997 to September 1998; electronic data logger and encoder, September 1998 to current year.

DATUM.--Elevation of land-surface datum is 50.53 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.77 ft above land-surface datum.

REMARKS.--Well drilled November 3, 1983 by USGS, designated as Mendenhall well. Well sampled for water quality, May 17, 1984.

PERIOD OF RECORD.--November 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.89 ft below land-surface datum, September 25, 1990; lowest measured, 13.54 ft below land-surface datum, February 2, 1997.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 5.24 ft below land-surface datum, October 22; lowest, 11.61 ft below land-surface datum, May 10, 11, 12, and 13.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.81	7.61	6.51	9.65	9.76	11.31	11.10	11.28	11.24	---	---	8.87
2	7.81	7.81	6.68	9.55	9.85	11.17	11.10	11.28	11.24	#10.36	---	8.45
3	7.87	8.03	6.89	9.55	9.75	10.90	11.10	11.28	11.21	---	---	8.26
4	7.99	8.26	7.16	9.25	9.57	10.31	11.17	11.30	11.21	---	---	8.25
5	8.17	8.48	7.47	8.23	9.56	10.19	11.22	11.33	11.18	---	---	8.33
6	7.56	8.57	7.71	7.81	9.57	10.19	11.28	11.34	#11.13	---	---	8.60
7	6.93	8.78	7.95	7.81	9.72	10.22	11.29	11.40	---	---	---	8.70
8	6.57	8.83	7.83	7.92	9.84	10.37	11.43	11.52	---	---	---	7.06
9	6.54	9.01	7.50	7.99	9.96	10.44	11.47	11.57	---	#10.34	---	6.95
10	6.69	9.20	7.50	8.17	10.10	10.59	11.52	11.60	---	#10.30	---	7.02
11	6.90	9.34	7.55	8.43	10.16	10.73	11.52	11.61	---	---	---	7.07
12	6.97	9.32	7.32	8.64	10.19	10.77	11.55	11.61	---	---	---	6.95
13	6.97	9.44	7.29	8.96	10.25	10.78	11.52	11.55	---	---	---	6.48
14	7.15	9.59	7.32	9.08	10.28	11.02	11.52	11.39	---	---	---	6.48
15	7.39	9.58	7.55	9.32	10.39	11.18	11.52	11.31	---	---	---	6.59
16	6.31	9.53	7.77	9.48	10.45	11.33	11.47	11.31	---	---	---	6.91
17	5.87	9.68	8.04	8.94	10.55	11.39	11.47	11.31	---	---	---	7.21
18	5.87	9.35	8.25	8.60	10.68	11.48	11.40	11.31	---	---	---	7.38
19	6.02	8.66	8.48	8.26	10.69	11.54	11.40	11.31	---	---	#9.68	7.70
20	5.96	8.43	8.57	7.93	10.81	11.52	11.45	11.31	#10.59	---	---	7.57
21	5.39	8.43	8.81	7.93	10.92	11.41	11.45	11.27	---	---	#9.33	7.35
22	5.24	8.45	9.01	8.06	11.04	11.38	11.40	11.27	---	---	#9.45	7.35
23	5.39	8.49	8.72	8.30	11.07	11.38	11.40	11.27	#10.58	---	---	7.52
24	5.78	8.70	8.42	8.60	11.12	11.38	11.49	11.27	---	---	---	7.05
25	6.19	8.60	8.41	8.86	11.14	11.36	11.45	11.27	#10.63	---	#9.88	7.02
26	6.49	7.08	8.59	8.89	11.24	11.38	11.34	11.27	---	---	#9.89	6.97
27	6.56	6.87	8.87	9.27	11.28	11.45	11.33	11.26	---	---	#10.13	6.14
28	6.71	6.81	9.04	9.46	11.34	11.46	11.28	11.18	---	---	10.13	6.10
29	6.88	6.83	9.14	9.52	---	11.36	11.28	11.21	---	---	10.13	6.11
30	7.16	6.51	9.25	9.67	---	11.20	11.28	11.21	#10.41	---	9.86	6.25
31	7.40	---	9.46	9.66	---	11.11	---	11.21	---	---	9.47	---

# -- Result of tapdown

## SOUTH-CENTRAL ALASKA

## MUNICIPALITY OF ANCHORAGE.

**611725149335401. Local number, SB01400223BCCD1003.**

LOCATION.--Lat 61°17'26", long 149°35'39", in SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec.23, T.14 N., R.2 W.(Anchorage B-7SW quad), Hydrologic Unit 19020401, at Anchorage Regional Landfill, Glenn Highway and Hiland Road interchange, Anchorage. Owner: Municipality of Anchorage.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in., depth 132 ft, cased to 118 ft, open hole. Casing perforated from 111 to 117 ft. Bedrock from 117 ft. Driller's log notes casing break at 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S. Geological Survey personnel July 1997 to September 1999. electronic data logger from September 3, 1999 to current year.

DATUM.--Elevation of land surface datum is 542.56 ft above sea level (determined by level survey). Measuring point: Top of casing 3.4 ft above land-surface datum.

REMARKS.--Observation well drilled by Municipality of Anchorage, designated as KB-6.

PERIOD OF RECORD.--August 1986, July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.88 ft below land-surface datum, June 7, 2000; lowest, 114.25 ft below land-surface datum, Aug. 21, 1986.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 108.87 ft. below land-surface datum, November 26 and 29; lowest, 110.68 ft. below land-surface datum, September 25 and 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110.27	109.50	108.97	109.24	109.78	110.29	110.37	110.48	110.54	110.47	110.52	110.58
2	110.32	109.47	108.95	109.24	109.80	110.28	110.37	110.47	110.55	110.47	110.52	110.60
3	110.30	109.42	108.93	109.21	109.81	110.29	110.39	110.47	110.53	110.49	110.52	110.60
4	110.30	109.40	108.95	109.26	109.85	110.29	110.38	110.49	110.53	110.48	110.53	110.60
5	110.29	109.35	108.95	109.26	109.86	110.31	110.38	110.49	110.50	110.49	110.53	110.60
6	110.31	109.35	108.93	109.29	109.92	110.29	110.38	110.50	110.52	110.48	110.54	110.60
7	110.28	109.31	108.93	109.34	109.92	110.31	110.40	110.50	110.52	110.48	110.54	110.60
8	110.33	109.30	108.92	109.34	109.93	110.31	110.40	110.49	110.52	110.49	110.54	110.61
9	110.28	109.28	108.92	109.36	109.96	110.28	110.41	110.47	110.51	110.49	110.54	110.61
10	110.25	109.26	108.94	109.37	109.99	110.32	110.41	110.50	110.51	110.48	110.54	110.61
11	110.23	109.22	108.91	109.38	110.01	110.30	110.42	110.49	110.50	110.48	110.51	110.62
12	110.23	109.18	108.90	109.39	110.03	110.27	110.40	110.50	110.50	110.48	110.52	110.61
13	110.18	109.18	108.98	109.43	110.06	110.27	110.40	110.51	110.50	110.49	110.53	110.61
14	110.15	109.16	108.96	109.43	110.07	110.31	110.41	110.52	110.52	110.49	110.52	110.62
15	110.04	109.12	108.97	109.45	110.09	110.30	110.39	110.52	110.52	110.48	110.54	110.61
16	110.09	109.06	108.98	109.47	110.10	110.33	110.43	110.52	110.50	110.48	110.55	110.61
17	110.04	109.06	109.00	109.46	110.13	110.33	110.43	110.52	110.50	110.51	110.56	110.60
18	110.00	109.02	109.05	109.49	110.14	110.33	110.43	110.52	110.50	110.49	110.56	110.61
19	109.95	109.06	109.05	109.50	110.16	110.33	110.44	110.52	110.51	110.49	110.54	110.62
20	109.95	109.04	109.05	109.57	110.18	110.33	110.44	110.52	110.49	110.50	110.56	110.62
21	109.90	109.03	109.04	109.56	110.20	110.33	110.43	110.51	110.50	110.51	110.56	110.64
22	109.86	108.99	109.01	109.57	110.21	110.34	110.44	110.52	110.48	110.51	110.56	110.63
23	109.82	108.97	109.07	109.59	110.19	110.35	110.47	110.51	110.49	110.50	110.57	110.58
24	109.78	108.99	109.10	109.61	110.22	110.34	110.46	110.52	110.48	110.50	110.57	110.59
25	109.72	108.91	109.12	109.63	110.25	110.36	110.46	110.54	110.48	110.51	110.56	110.65
26	109.72	108.87	109.14	109.62	110.24	110.37	110.46	110.54	110.49	110.51	110.57	110.64
27	109.69	108.93	109.17	109.69	110.27	110.38	110.47	110.53	110.49	110.51	110.59	110.63
28	109.62	108.91	109.16	109.69	110.27	110.35	110.47	110.52	110.48	110.51	110.58	110.62
29	109.59	108.87	109.17	109.70	---	110.35	110.46	110.53	110.48	110.52	110.57	110.62
30	109.57	108.95	109.18	109.75	---	110.37	110.48	110.53	110.48	110.51	110.58	110.63
31	109.55	---	109.20	109.77	---	110.38	---	110.53	---	110.52	110.59	---
MEAN	110.02	109.14	109.02	109.47	110.06	110.32	110.42	110.51	110.50	110.49	110.55	110.61
MAX	110.33	109.50	109.20	109.77	110.27	110.38	110.48	110.54	110.55	110.52	110.59	110.65
MIN	109.55	108.87	108.90	109.21	109.78	110.27	110.37	110.47	110.48	110.47	110.51	110.58

## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH

**644321147163801. Local number, FD00200223DDDBA1003.**

LOCATION.--Lat 64°43'21", long 147°16'38", in NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 23, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.3 mi east of the Dyke Road, Old Richardson Highway and Levee Road intersection in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 20.4 ft, screen opening from 15.4 to 19.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 510.14 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.57 ft above land surface datum.

REMARKS.--Observation well drilled April 10, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-14. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.29 ft below land-surface datum, July 28, 2003; lowest, 12.14 ft below land-surface datum, December 9-11, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 9.29 ft below land-surface datum, July 28, 2003; lowest, 11.99 ft below land-surface datum, November 12, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.05	11.54	11.03	11.54	11.07	10.94	11.13	10.57	11.83	11.48	9.42	10.08
2	11.08	11.55	11.01	11.52	11.06	10.94	11.12	10.55	11.81	11.44	9.54	9.89
3	11.11	11.58	11.01	11.50	11.03	10.94	11.12	10.56	11.79	11.38	9.34	9.81
4	11.16	11.72	11.03	11.49	11.02	10.94	11.12	10.59	11.78	11.33	9.42	9.73
5	11.19	11.80	11.08	11.49	11.01	10.94	11.12	10.70	11.78	11.29	9.61	9.71
6	11.20	11.85	11.10	11.47	11.00	10.93	11.12	10.87	11.71	11.22	9.66	9.75
7	11.24	11.89	11.11	11.40	10.99	10.93	11.12	11.01	11.70	11.15	9.79	9.83
8	11.23	11.92	11.15	11.33	10.98	10.94	11.13	11.11	11.68	11.11	9.93	9.91
9	11.26	11.94	11.19	11.27	10.97	10.94	11.14	11.20	11.66	11.07	10.03	10.02
10	11.30	11.96	11.24	11.24	10.97	10.94	11.13	11.27	11.66	10.91	10.13	10.12
11	11.31	11.98	11.29	11.20	10.95	10.94	11.11	11.34	11.67	10.82	10.22	9.91
12	11.33	11.98	11.33	11.16	10.95	10.95	11.07	11.39	11.67	10.77	10.27	9.95
13	11.36	11.96	11.36	11.12	10.95	10.95	11.03	11.44	11.65	10.67	10.26	10.08
14	11.36	11.86	11.40	11.09	10.94	10.96	10.96	11.48	11.64	10.57	10.19	10.19
15	11.41	11.76	11.41	11.06	10.94	11.00	10.91	11.52	11.63	10.31	10.13	10.27
16	11.41	11.65	11.41	11.03	10.94	11.02	10.89	11.56	11.63	10.12	10.09	10.33
17	11.45	11.56	11.40	11.01	10.94	11.04	10.85	11.60	11.62	10.01	10.06	10.39
18	11.47	11.48	11.41	11.01	10.94	11.05	10.81	11.62	11.62	9.93	10.06	10.47
19	11.50	11.42	11.43	11.00	10.94	11.06	10.77	11.66	11.62	9.88	10.12	10.53
20	11.51	11.38	11.43	11.00	10.94	11.06	10.73	11.69	11.61	9.88	10.20	10.60
21	11.55	11.35	11.44	10.98	10.95	11.08	10.71	11.72	11.61	9.94	10.31	10.65
22	11.57	11.32	11.44	10.96	10.96	11.09	10.69	11.74	11.59	9.98	10.38	10.71
23	11.48	11.29	11.45	10.96	10.95	11.11	10.68	11.77	11.57	9.99	10.17	10.76
24	11.46	11.27	11.49	10.95	10.95	11.11	10.67	11.78	11.54	10.01	10.01	10.79
25	11.45	11.24	11.52	10.97	10.95	11.11	10.66	11.81	11.53	10.02	10.07	10.84
26	11.45	11.21	11.53	11.00	10.94	11.13	10.60	11.83	11.51	9.82	10.21	10.90
27	11.46	11.18	11.53	11.06	10.94	11.14	10.57	11.86	11.50	9.31	10.32	10.93
28	11.48	11.14	11.50	11.12	10.94	11.11	10.57	11.86	11.50	9.29	10.44	10.97
29	11.49	11.09	11.49	11.13	---	11.10	10.56	11.86	11.49	9.35	10.50	10.99
30	11.50	11.07	11.50	11.12	---	11.11	10.57	11.86	11.49	9.31	10.52	11.02
31	11.51	---	11.52	11.11	---	11.12	---	11.85	---	9.32	10.35	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644331147183901. Local number, FD00200222DABD1006.**

LOCATION.--Lat 64°43'31", long 147°18'39", in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 22, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian,

Hydrologic Unit 19040506. Well located on north side of Old Richardson Highway and VFW Road intersection in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.1 ft, screen opening from 12.1 to 16.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 499.94 ft NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.66 ft above land surface datum.

REMARKS.--Observation well drilled April 9, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-16. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.73 ft below land-surface datum, July 30, 2003; lowest, 7.10 ft below land-surface datum, April 15-16, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 3.73 ft below land-surface datum, July 30; lowest, 6.84 ft below land-surface datum, November 13.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.96	6.71	5.24	6.10	5.84	5.68	5.92	5.28	6.65	5.85	3.89	4.82
2	5.99	6.74	5.21	6.08	5.83	5.71	5.91	5.35	6.60	5.81	4.04	4.66
3	6.01	6.72	5.23	6.05	5.80	5.72	5.91	5.41	6.58	5.75	4.01	4.48
4	6.02	6.71	5.29	6.04	5.79	5.72	5.92	5.50	6.57	5.65	4.05	4.36
5	6.04	6.71	5.38	6.03	5.74	5.73	5.91	5.66	6.57	5.58	4.23	4.33
6	6.06	6.71	5.41	5.99	5.68	5.73	5.91	5.81	6.53	5.51	4.32	4.35
7	6.10	6.72	5.43	5.93	5.60	5.74	5.92	5.94	6.48	5.43	4.43	4.44
8	6.13	6.73	5.49	5.87	5.59	5.75	5.96	6.05	6.39	5.36	4.55	4.55
9	6.17	6.75	5.55	5.80	5.58	5.75	5.95	6.14	6.35	5.30	4.65	4.67
10	6.19	6.75	5.62	5.77	5.57	5.75	5.91	6.22	6.34	5.20	4.72	4.78
11	6.21	6.77	5.69	5.73	5.56	5.76	5.89	6.30	6.33	5.11	4.78	4.77
12	6.24	6.79	5.74	5.71	5.56	5.77	5.84	6.34	6.30	5.05	4.82	4.78
13	6.28	6.74	5.81	5.68	5.56	5.78	5.79	6.38	6.24	4.95	4.74	4.87
14	6.31	6.51	5.85	5.66	5.59	5.81	5.72	6.41	6.20	4.86	4.59	4.93
15	6.34	6.33	5.84	5.64	5.58	5.84	5.67	6.44	6.18	4.69	4.50	4.99
16	6.37	6.15	5.81	5.63	5.58	5.84	5.65	6.48	6.17	4.53	4.47	5.05
17	6.41	6.02	5.81	5.63	5.62	5.83	5.60	6.52	6.16	4.35	4.45	5.12
18	6.43	5.91	5.83	5.64	5.66	5.83	5.56	6.57	6.14	4.18	4.45	5.18
19	6.45	5.84	5.87	5.66	5.67	5.85	5.51	6.62	6.12	4.13	4.50	5.25
20	6.47	5.78	5.89	5.65	5.69	5.86	5.49	6.67	6.09	4.13	4.59	5.32
21	6.50	5.72	5.91	5.63	5.74	5.89	5.43	6.69	6.08	4.19	4.73	5.39
22	6.51	5.68	5.95	5.61	5.77	5.90	5.40	6.72	6.06	4.26	4.83	5.46
23	6.52	5.63	5.99	5.62	5.74	5.92	5.37	6.75	6.05	4.27	4.85	5.52
24	6.53	5.59	6.05	5.64	5.74	5.93	5.32	6.76	6.01	4.31	4.74	5.56
25	6.55	5.55	6.10	5.68	5.74	5.94	5.28	6.79	5.96	4.33	4.78	5.62
26	6.57	5.50	6.12	5.75	5.70	5.95	5.26	6.81	5.94	4.21	4.88	5.70
27	6.59	5.45	6.09	5.87	5.70	5.94	5.27	6.82	5.93	3.79	4.94	5.75
28	6.63	5.38	6.06	5.93	5.68	5.90	5.27	6.81	5.92	3.76	5.00	5.80
29	6.65	5.31	6.06	5.94	---	5.89	5.29	6.80	5.90	3.74	5.04	5.83
30	6.67	5.28	6.07	5.91	---	5.89	5.28	6.76	5.88	3.73	5.07	5.88
31	6.69	---	6.10	5.88	---	5.92	---	6.71	---	3.75	5.03	---



## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644345147172101. Local number, FD00200223BDAD1002.**

LOCATION.--Lat 64°43'45", long 147°17'21", in NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub>, sec. 23, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.2 mi south on Dyke Road from intersection with Laurance Road in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 13.0 ft, screen opening from 7.8 to 12.8 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 499.84 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.04 ft above land surface datum.

REMARKS.--Observation well drilled June 7, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-13. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.59 ft below land-surface datum, July 31, 2003; lowest, 8.00 ft below land-surface datum, April 16, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.59 ft below land-surface datum, July 31; lowest, 7.47 ft below land-surface datum, May 30 through June 1.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.81	7.33	6.29	6.78	6.72	6.64	6.89	6.43	7.46	7.09	5.60	6.06
2	6.83	7.35	6.26	6.79	6.71	6.66	6.88	6.44	7.45	7.07	5.65	5.88
3	6.85	7.23	6.24	6.78	6.70	6.67	6.88	6.45	7.44	7.05	5.60	5.80
4	6.86	7.13	6.25	6.78	6.69	6.66	6.89	6.47	7.43	7.02	5.59	5.74
5	6.87	7.10	6.26	6.79	6.69	6.69	6.89	6.53	7.43	6.98	5.63	5.73
6	6.88	7.09	6.27	6.78	6.67	6.68	6.89	6.61	7.40	6.94	5.67	5.73
7	6.91	7.09	6.27	6.77	6.62	6.68	6.89	6.68	7.39	6.90	5.73	5.75
8	6.93	7.08	6.30	6.73	6.60	6.69	6.90	6.75	7.36	6.86	5.79	5.79
9	6.96	7.09	6.32	6.69	6.58	6.69	6.91	6.81	7.33	6.82	5.85	5.85
10	6.98	7.10	6.34	6.67	6.57	6.70	6.91	6.86	7.30	6.76	5.89	5.91
11	6.99	7.10	6.39	6.65	6.56	6.70	6.90	6.92	7.30	6.69	5.93	5.91
12	7.01	7.11	6.42	6.63	6.55	6.70	6.86	6.96	7.29	6.64	5.96	5.90
13	7.04	7.12	6.45	6.61	6.55	6.70	6.82	7.00	7.28	6.58	5.98	5.92
14	7.06	7.07	6.50	6.59	6.56	6.72	6.76	7.04	7.26	6.52	5.94	5.97
15	7.09	7.00	6.51	6.57	6.54	6.75	6.72	7.08	7.26	6.43	5.91	6.01
16	7.10	6.91	6.54	6.56	6.54	6.75	6.69	7.12	7.25	6.32	5.92	6.03
17	7.13	6.84	6.54	6.54	6.55	6.77	6.64	7.15	7.24	6.21	5.90	6.07
18	7.15	6.78	6.56	6.54	6.57	6.78	6.60	7.18	7.23	6.12	5.90	6.11
19	7.17	6.72	6.58	6.55	6.59	6.80	6.57	7.21	7.22	6.05	5.91	6.14
20	7.19	6.67	6.59	6.55	6.59	6.80	6.54	7.24	7.22	6.02	5.94	6.19
21	7.21	6.63	6.60	6.55	6.62	6.81	6.51	7.27	7.21	6.01	6.00	6.23
22	7.24	6.58	6.62	6.52	6.65	6.82	6.49	7.30	7.20	6.02	6.04	6.27
23	7.21	6.54	6.62	6.52	6.65	6.83	6.47	7.33	7.18	6.01	6.05	6.30
24	7.20	6.51	6.66	6.53	6.64	6.85	6.45	7.35	7.17	6.01	5.96	6.32
25	7.21	6.47	6.70	6.54	6.66	6.86	6.44	7.37	7.15	6.01	5.95	6.36
26	7.22	6.43	6.72	6.56	6.65	6.87	6.43	7.39	7.14	5.97	5.99	6.42
27	7.24	6.41	6.75	6.61	6.65	6.88	6.43	7.42	7.13	5.79	6.03	6.45
28	7.27	6.39	6.75	6.67	6.64	6.88	6.43	7.44	7.12	5.66	6.09	6.48
29	7.27	6.34	6.74	6.70	---	6.87	6.43	7.45	7.11	5.62	6.11	6.50
30	7.29	6.32	6.75	6.72	---	6.87	6.43	7.46	7.10	5.60	6.13	6.54
31	7.31	---	6.76	6.73	---	6.88	---	7.47	---	5.59	6.13	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644401147193801. Local number, FD00200222BABA1005.**

LOCATION.--Lat 64°44'01", long 147°19'38", in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 22, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located at southeast corner of Laurance Road and Old Richardson Highway intersection in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 14.1 ft, screen opening from 9.1 to 13.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 496.04 ft above sea level, NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 3.44 ft above land surface datum.

REMARKS.--Observation well drilled April 9, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-15. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.35 ft below land-surface datum, July 30, 2003; lowest, 6.43 ft below land-surface datum, November 13, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 3.35 ft below land-surface datum, July 30, 2003; lowest, 6.43 ft below land-surface datum, November 13, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.19	6.12	4.85	5.80	5.61	5.47	5.55	4.93	6.18	5.29	3.43	4.31
2	5.22	6.14	4.81	5.79	5.59	5.49	5.54	4.95	6.12	5.25	3.55	4.18
3	5.24	6.17	4.80	5.76	5.57	5.50	5.54	5.01	6.09	5.21	3.44	4.05
4	5.25	6.20	4.83	5.75	5.56	5.49	5.55	5.08	6.08	5.16	3.44	3.97
5	5.28	6.23	4.89	5.73	5.53	5.51	5.55	5.17	6.08	5.10	3.58	3.93
6	5.29	6.27	4.93	5.71	5.49	5.51	5.55	5.28	6.04	5.05	3.69	3.94
7	5.33	6.29	4.95	5.68	5.43	5.51	5.55	5.40	6.00	4.99	3.79	3.97
8	5.36	6.31	5.00	5.65	5.41	5.52	5.57	5.50	5.92	4.94	3.92	4.04
9	5.40	6.33	5.06	5.60	5.39	5.51	5.59	5.59	5.86	4.90	4.00	4.14
10	5.43	6.34	5.13	5.58	5.38	5.51	5.56	5.66	5.84	4.81	4.07	4.24
11	5.45	6.36	5.19	5.55	5.36	5.51	5.54	5.74	5.82	4.74	4.14	4.23
12	5.48	6.38	5.25	5.53	5.35	5.52	5.50	5.78	5.78	4.68	4.18	4.23
13	5.52	6.39	5.31	5.51	5.35	5.52	5.46	5.81	5.73	4.59	4.19	4.29
14	5.55	6.20	5.38	5.49	5.36	5.54	5.40	5.85	5.69	4.51	4.11	4.35
15	5.59	6.03	5.40	5.47	5.36	5.57	5.35	5.89	5.67	4.37	4.08	4.40
16	5.60	5.86	5.41	5.46	5.36	5.56	5.33	5.92	5.64	4.24	4.07	4.45
17	5.64	5.74	5.41	5.45	5.39	5.51	5.30	5.96	5.62	4.09	4.07	4.51
18	5.67	5.63	5.43	5.45	5.42	5.51	5.26	6.00	5.60	3.94	4.06	4.56
19	5.69	5.54	5.46	5.45	5.44	5.51	5.23	6.04	5.58	3.84	4.09	4.62
20	5.71	5.46	5.48	5.45	5.45	5.51	5.19	6.09	5.56	3.82	4.15	4.68
21	5.74	5.39	5.51	5.43	5.47	5.52	5.16	6.13	5.54	3.82	4.23	4.75
22	5.76	5.34	5.54	5.41	5.53	5.54	5.14	6.16	5.52	3.85	4.29	4.81
23	5.78	5.28	5.58	5.41	5.50	5.55	5.11	6.18	5.49	3.87	4.30	4.87
24	5.82	5.23	5.65	5.41	5.49	5.57	5.08	6.20	5.46	3.90	4.21	4.91
25	5.87	5.19	5.70	5.44	5.51	5.57	5.05	6.23	5.43	3.92	4.22	4.96
26	5.90	5.14	5.75	5.49	5.48	5.58	5.00	6.26	5.40	3.81	4.30	5.03
27	5.95	5.09	5.77	5.59	5.48	5.58	4.97	6.28	5.38	3.46	4.37	5.09
28	6.00	5.02	5.75	5.66	5.47	5.54	4.96	6.30	5.36	3.39	4.42	5.13
29	6.03	4.94	5.75	5.69	---	5.53	4.94	6.29	5.35	3.36	4.46	5.17
30	6.06	4.90	5.76	5.68	---	5.53	4.93	6.26	5.32	3.35	4.49	5.21
31	6.09	---	5.78	5.64	---	5.54	---	6.22	---	3.36	4.49	---

## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644400147151501. Local number, FD00200224ABBB1001 51659.**

LOCATION.--Lat 64°44'00", long 147°15'15", in NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub>, sec. 24, T.2 S., R.2 E., (Fairbanks C-1) Fairbanks Meridian, Hydrologic Unit 19040506, in road right-of-way at intersection of Nelson and Laurence Roads near North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4-in., depth 30 ft, screened from 27.5 to 30 ft using a 2-in. diameter well point.

INSTRUMENTATION.--Strip-chart recorder from June 1976 to May 1980. Digital recorder--1-hour punch interval, from November 1983 to June 1995. Electronic data logger from June 1995 to present.

DATUM.--Elevation of land-surface datum is 503.5 ft above sea level (determined by levels survey). Measuring point: top of casing 2.97 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers designated as P-251. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; this may have affected ground water levels.

PERIOD OF RECORD.--June 1976 to May 1980 and November 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.84 ft below land-surface datum, June 7, 1992; lowest, 13.70 ft below land-surface datum, February 18-20, 1988.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 11.14 ft below land-surface datum, September 15-18; lowest, 12.92 ft below land-surface datum, June 27-28 and 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.77	12.32	12.01	12.30	12.38	12.39	12.57	12.26	12.78	12.90	11.85	11.38
2	11.82	12.34	11.99	12.31	12.38	12.39	12.56	12.25	12.80	12.90	11.80	11.36
3	11.83	12.29	11.98	12.32	12.38	12.40	12.57	12.24	12.81	12.90	11.75	11.33
4	11.83	12.24	11.98	12.32	12.39	12.40	12.58	12.23	12.82	12.89	11.69	11.30
5	11.83	12.20	11.97	12.35	12.40	12.42	12.58	12.24	12.83	12.88	11.65	11.27
6	11.84	12.19	11.96	12.35	12.41	12.41	12.59	12.25	12.84	12.87	11.60	11.24
7	11.86	12.19	11.96	12.37	12.40	12.41	12.59	12.27	12.85	12.85	11.57	11.21
8	11.88	12.19	11.96	12.38	12.39	12.42	12.59	12.30	12.85	12.83	11.54	11.19
9	11.90	12.20	11.96	12.37	12.38	12.42	12.60	12.32	12.85	12.82	11.51	11.18
10	11.92	12.20	11.97	12.37	12.38	12.42	12.61	12.34	12.85	12.80	11.49	11.17
11	11.93	12.20	11.98	12.36	12.38	12.42	12.62	12.38	12.85	12.77	11.48	11.17
12	11.94	12.21	11.98	12.36	12.38	12.42	12.61	12.39	12.86	12.74	11.47	11.16
13	11.96	12.21	12.01	12.36	12.38	12.41	12.61	12.42	12.86	12.71	11.46	11.15
14	11.98	12.23	12.05	12.35	12.37	12.41	12.58	12.44	12.87	12.68	11.45	11.15
15	11.99	12.22	12.06	12.35	12.36	12.43	12.55	12.47	12.87	12.63	11.44	11.14
16	12.00	12.19	12.08	12.34	12.35	12.43	12.54	12.50	12.88	12.59	11.45	11.14
17	12.03	12.18	12.10	12.31	12.36	12.45	12.50	12.52	12.87	12.54	11.44	11.14
18	12.04	12.17	12.13	12.31	12.36	12.46	12.47	12.54	12.88	12.49	11.44	11.14
19	12.05	12.16	12.15	12.31	12.35	12.47	12.44	12.56	12.88	12.44	11.43	11.15
20	12.07	12.15	12.15	12.32	12.35	12.47	12.40	12.57	12.89	12.40	11.43	11.18
21	12.09	12.14	12.16	12.32	12.35	12.47	12.38	12.59	12.89	12.36	11.43	11.20
22	12.12	12.12	12.16	12.30	12.37	12.48	12.36	12.60	12.90	12.33	11.44	11.23
23	12.13	12.10	12.17	12.30	12.36	12.49	12.35	12.62	12.89	12.30	11.44	11.23
24	12.15	12.09	12.20	12.30	12.36	12.50	12.33	12.63	12.89	12.27	11.42	11.22
25	12.18	12.07	12.21	12.30	12.38	12.51	12.32	12.65	12.89	12.24	11.40	11.25
26	12.19	12.04	12.23	12.30	12.37	12.52	12.30	12.67	12.89	12.21	11.39	11.32
27	12.23	12.04	12.26	12.31	12.38	12.53	12.29	12.69	12.89	12.16	11.39	11.35
28	12.25	12.04	12.26	12.34	12.38	12.54	12.29	12.71	12.91	12.09	11.40	11.36
29	12.26	12.01	12.27	12.35	---	12.54	12.27	12.72	12.91	12.02	11.39	11.36
30	12.28	12.01	12.28	12.36	---	12.55	12.27	12.74	12.91	11.96	11.40	11.39
31	12.31	---	12.29	12.37	---	12.56	---	12.76	---	11.90	11.40	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644402147132801. Local number, FD00200319BAAB1001.**

LOCATION.--Lat 64°44'02", long 147°13'28", in NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub>, sec. 19, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 1.2 mi east of gate at gravel road from U.S. Army Corps of Engineers office, then north of gravel road beneath power lines, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 24.3 ft, screen opening from 19.2 to 24.2 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 505.44 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 5.91 ft above land surface datum.

REMARKS.--Observation well drilled September 7, 1994 by the U.S. Army Corps of Engineers and designated as USAP-1. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.64 ft. below land-surface datum, September 24, 2003; lowest, 14.62 ft below land-surface datum, April 24-26, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 11.64 ft below land-surface datum, September 24; lowest, 13.84 ft. below land-surface datum, July 6 and July 9-10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.25	12.68	12.66	12.92	13.16	13.26	13.48	13.30	13.60	13.80	13.20	12.13
2	12.28	12.69	12.65	12.93	13.17	13.27	13.49	13.29	13.61	13.80	13.13	12.12
3	12.31	12.65	12.64	12.93	13.17	13.28	13.49	13.27	13.63	13.81	13.07	12.11
4	12.31	12.60	12.65	12.94	13.19	13.29	13.50	13.27	13.64	13.82	13.01	12.09
5	12.29	12.56	12.65	12.97	13.20	13.30	13.51	13.27	13.64	13.82	12.94	12.06
6	12.29	12.56	12.63	12.99	13.21	13.30	13.52	13.27	13.65	13.83	12.86	12.02
7	12.30	12.57	12.63	13.01	13.22	13.30	13.52	13.27	13.66	13.83	12.80	11.98
8	12.32	12.58	12.63	13.03	13.21	13.32	13.53	13.28	13.68	13.83	12.73	11.96
9	12.35	12.59	12.63	13.03	13.21	13.32	13.54	13.27	13.69	13.82	12.67	11.93
10	12.36	12.60	12.63	13.03	13.22	13.33	13.54	13.28	13.69	13.82	12.60	11.90
11	12.36	12.59	12.64	13.04	13.22	13.33	13.56	13.30	13.70	13.81	12.54	11.88
12	12.36	12.59	12.64	13.05	13.23	13.32	13.57	13.31	13.70	13.80	12.50	11.85
13	12.39	12.60	12.66	13.06	13.23	13.32	13.57	13.32	13.70	13.79	12.45	11.83
14	12.40	12.61	12.69	13.07	13.23	13.32	13.57	13.34	13.71	13.77	12.40	11.81
15	12.40	12.63	12.70	13.08	13.23	13.33	13.56	13.36	13.72	13.75	12.37	11.77
16	12.40	12.60	12.72	13.08	13.23	13.34	13.56	13.39	13.73	13.73	12.35	11.75
17	12.45	12.60	12.73	13.07	13.24	13.35	13.55	13.42	13.73	13.71	12.33	11.72
18	12.46	12.62	12.75	13.08	13.24	13.36	13.52	13.42	13.73	13.67	12.30	11.69
19	12.46	12.62	12.78	13.09	13.24	13.37	13.49	13.44	13.73	13.64	12.28	11.68
20	12.47	12.65	12.78	13.10	13.24	13.37	13.45	13.45	13.75	13.60	12.26	11.68
21	12.49	12.65	12.79	13.11	13.25	13.38	13.40	13.47	13.75	13.58	12.25	11.68
22	12.52	12.64	12.78	13.10	13.25	13.39	13.38	13.47	13.76	13.54	12.23	11.68
23	12.53	12.63	12.79	13.10	13.23	13.40	13.37	13.48	13.77	13.52	12.22	11.65
24	12.53	12.64	12.82	13.11	13.23	13.41	13.36	13.48	13.77	13.49	12.22	11.64
25	12.54	12.64	12.83	13.11	13.25	13.42	13.35	13.50	13.78	13.46	12.21	11.65
26	12.55	12.61	12.85	13.11	13.25	13.43	13.33	13.52	13.78	13.44	12.19	11.71
27	12.58	12.62	12.87	13.12	13.25	13.45	13.32	13.54	13.79	13.41	12.19	11.74
28	12.61	12.65	12.88	13.13	13.26	13.45	13.32	13.56	13.79	13.38	12.18	11.73
29	12.61	12.62	12.88	13.13	---	13.45	13.31	13.56	13.80	13.34	12.16	11.73
30	12.63	12.63	12.90	13.14	---	13.46	13.30	13.57	13.80	13.30	12.15	11.75
31	12.65	---	12.90	13.15	---	13.48	---	13.58	---	13.25	12.14	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644402147150401. Local number, FD00200224ABBA1002.**

LOCATION.--Lat 64°44'02", long 147°15'04", in NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 24, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.1 mi east of Laurance Road and Nelson Road intersection, then 50 ft east of road behind grove of trees towards levy, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 19.4 ft, screen openings from 9.4 to 13.9 ft and 14.4 to 18.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 504.74 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.57 ft above land surface datum.

REMARKS.--Observation well drilled March 12, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-11. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.74 ft below land-surface datum, September 17-18, 2003; lowest, 13.31 ft below land-surface datum, April 19 and 21-25, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 10.74 ft below land-surface datum, September 17-18; lowest, 12.57 ft below land-surface datum, June 22-July 4.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.34	11.88	11.66	11.95	12.06	12.06	12.26	12.00	12.44	12.55	11.59	11.01
2	11.38	11.90	11.65	11.96	12.06	12.07	12.27	11.99	12.46	12.56	11.54	11.00
3	11.40	11.88	11.63	11.96	12.07	12.08	12.28	11.98	12.47	12.56	11.49	10.98
4	11.40	11.83	11.63	11.97	12.07	12.08	12.28	11.97	12.48	12.56	11.44	10.95
5	11.40	11.80	11.62	11.99	12.08	12.09	12.28	11.97	12.49	12.55	11.38	10.91
6	11.40	11.79	11.62	12.00	12.09	12.09	12.29	11.99	12.50	12.55	11.33	10.88
7	11.42	11.79	11.61	12.02	12.09	12.09	12.29	12.00	12.51	12.53	11.30	10.85
8	11.44	11.79	11.61	12.03	12.08	12.10	12.30	12.02	12.52	12.52	11.26	10.83
9	11.46	11.80	11.61	12.02	12.06	12.09	12.32	12.04	12.52	12.51	11.22	10.81
10	11.48	11.80	11.62	12.02	12.06	12.09	12.32	12.05	12.52	12.49	11.19	10.80
11	11.49	11.80	11.63	12.02	12.06	12.09	12.34	12.09	12.53	12.46	11.17	10.80
12	11.49	11.81	11.64	12.02	12.06	12.08	12.33	12.11	12.52	12.43	11.16	10.78
13	11.52	11.82	11.66	12.02	12.06	12.08	12.33	12.13	12.52	12.41	11.14	10.78
14	11.54	11.83	11.70	12.02	12.06	12.08	12.30	12.15	12.53	12.38	11.12	10.77
15	11.55	11.83	11.71	12.01	12.04	12.10	12.28	12.17	12.53	12.34	11.12	10.75
16	11.55	11.80	11.73	12.01	12.04	12.11	12.27	12.20	12.54	12.29	11.12	10.75
17	11.58	11.80	11.75	11.99	12.04	12.12	12.24	12.22	12.54	12.25	11.11	10.74
18	11.60	11.79	11.78	11.99	12.04	12.13	12.21	12.23	12.55	12.21	11.10	10.74
19	11.61	11.78	11.80	11.99	12.03	12.15	12.17	12.25	12.55	12.16	11.09	10.75
20	11.62	11.77	11.80	12.00	12.04	12.15	12.14	12.27	12.56	12.12	11.09	10.77
21	11.64	11.77	11.81	12.01	12.04	12.16	12.12	12.28	12.56	12.08	11.09	10.78
22	11.67	11.74	11.79	11.99	12.05	12.17	12.10	12.29	12.56	12.05	11.09	10.81
23	11.69	11.73	11.81	11.99	12.04	12.18	12.09	12.31	12.56	12.02	11.09	10.81
24	11.71	11.73	11.84	11.98	12.04	12.20	12.07	12.32	12.56	11.99	11.08	10.80
25	11.74	11.71	11.86	11.98	12.05	12.20	12.06	12.34	12.57	11.96	11.04	10.84
26	11.75	11.68	11.88	11.98	12.05	12.22	12.04	12.36	12.56	11.93	11.03	10.91
27	11.78	11.68	11.90	12.00	12.05	12.23	12.03	12.38	12.56	11.90	11.04	10.94
28	11.81	11.68	11.91	12.02	12.06	12.23	12.03	12.39	12.56	11.83	11.04	10.94
29	11.82	11.65	11.91	12.03	---	12.24	12.02	12.40	12.56	11.77	11.03	10.95
30	11.84	11.65	11.92	12.04	---	12.25	12.01	12.41	12.56	11.71	11.03	10.97
31	11.87	---	11.93	12.05	---	12.26	---	12.42	---	11.65	11.03	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644402147182601. Local number, FD00200222AAAA1004.**

LOCATION.--Lat 64°44'02", long 147°18'26", in NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 22, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 25 ft southeast of southeast corner of Laurance Road and Treaty Street intersection, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 15.0 ft, screen opening from 10.1 to 14.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 498.14 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point was changed from top of outer casing to top of inner casing (2.28 ft above land surface datum) in the 2002 Water Year.

REMARKS.--Observation well drilled April 10, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-12. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.51 ft below land-surface datum, August 3, 2003; lowest, lowest, 8.00 ft below land-surface datum, April 15-19, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.51 ft below land-surface datum, August 3, 2003; lowest, 7.81 ft below land-surface datum, November 13, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.80	7.64	6.66	7.22	7.10	7.06	7.24	6.69	7.76	7.14	5.59	6.05
2	6.83	7.66	6.63	7.23	7.09	7.08	7.23	6.70	7.73	7.12	5.66	5.95
3	6.85	7.70	6.62	7.21	7.07	7.09	7.24	6.73	7.71	7.09	5.51	5.89
4	6.87	7.69	6.62	7.21	7.06	7.09	7.24	6.76	7.70	7.06	5.52	5.85
5	6.89	7.68	6.65	7.20	7.05	7.11	7.24	6.82	7.70	7.02	5.61	5.82
6	6.91	7.68	6.66	7.20	7.03	7.10	7.22	6.90	7.66	6.97	5.68	5.83
7	6.95	7.69	6.67	7.17	6.98	7.11	7.22	6.98	7.63	6.93	5.75	5.85
8	6.97	7.69	6.70	7.13	6.96	7.12	7.24	7.05	7.59	6.89	5.84	5.89
9	7.00	7.70	6.73	7.09	6.94	7.11	7.24	7.11	7.55	6.84	5.91	5.96
10	7.02	7.72	6.75	7.06	6.93	7.13	7.24	7.16	7.52	6.76	5.95	6.02
11	7.04	7.73	6.79	7.03	6.92	7.13	7.22	7.23	7.50	6.68	6.00	5.98
12	7.07	7.75	6.81	7.02	6.91	7.12	7.17	7.28	7.47	6.64	6.03	5.98
13	7.10	7.79	6.85	6.99	6.91	7.11	7.14	7.31	7.45	6.57	6.05	6.03
14	7.13	7.71	6.90	6.97	6.91	7.12	7.07	7.35	7.42	6.51	6.02	6.09
15	7.17	7.59	6.91	6.96	6.90	7.15	7.02	7.38	7.40	6.37	5.99	6.14
16	7.18	7.47	6.93	6.94	6.90	7.15	7.00	7.41	7.38	6.28	5.99	6.17
17	7.21	7.37	6.93	6.93	6.92	7.16	6.96	7.43	7.36	6.19	5.98	6.21
18	7.24	7.27	6.94	6.93	6.95	7.16	6.92	7.46	7.35	6.11	5.97	6.25
19	7.26	7.19	6.97	6.93	6.96	7.20	6.89	7.49	7.34	6.05	5.99	6.29
20	7.28	7.12	6.98	6.94	6.97	7.20	6.86	7.53	7.31	6.03	6.01	6.34
21	7.30	7.05	6.99	6.92	6.99	7.20	6.82	7.56	7.30	6.03	6.07	6.38
22	7.33	6.98	7.01	6.90	7.04	7.21	6.79	7.58	7.29	6.03	6.11	6.43
23	7.35	6.92	7.04	6.90	7.03	7.23	6.77	7.61	7.27	6.03	6.08	6.47
24	7.40	6.88	7.09	6.90	7.03	7.25	6.74	7.64	7.25	6.03	5.97	6.49
25	7.43	6.83	7.12	6.92	7.05	7.25	6.71	7.67	7.23	6.04	5.98	6.53
26	7.46	6.79	7.15	6.95	7.05	7.26	6.71	7.71	7.21	5.95	6.05	6.59
27	7.49	6.78	7.17	7.02	7.06	7.27	6.71	7.74	7.20	5.60	6.11	6.63
28	7.54	6.75	7.16	7.08	7.06	7.25	6.70	7.77	7.18	5.56	6.17	6.67
29	7.56	6.71	7.16	7.11	---	7.22	6.70	7.79	7.17	5.58	6.20	6.69
30	7.59	6.69	7.17	7.12	---	7.22	6.69	7.79	7.15	5.56	6.22	6.73
31	7.61	---	7.20	7.11	---	7.24	---	7.78	---	5.56	6.21	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644403147112901. Local number, FD00200317CDDD1005.**

LOCATION.--Lat 64°44'03", long 147°11'29", in SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub>, sec. 17, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 2.2 mi east of gate at gravel road from U.S. Army Corps of Engineers office, then just beyond powerlines north of gravel road, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 20.0 ft, screen opening from 14.9 to 19.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 503.44 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.52 ft above land surface datum.

REMARKS.--Observation well drilled September 7, 1994 by the U.S. Army Corps of Engineers and designated as USAP-2. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.80 ft below land-surface datum, September 13, 2003; lowest, 11.08 ft below land-surface datum, May 1, 2 and 17, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 1.80 ft below land-surface datum, September 13; lowest, 9.56 ft below land-surface datum, May 16.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.95	5.08	6.34	7.32	8.07	8.55	8.99	9.30	9.14	9.06	5.45	2.14
2	4.95	4.97	6.18	7.23	8.12	8.53	8.90	9.26	9.43	9.05	5.16	2.05
3	4.73	4.84	6.04	7.12	8.08	8.60	9.03	9.14	9.38	9.24	4.35	1.95
4	4.70	4.75	6.13	7.12	8.13	8.59	8.97	9.10	9.18	9.25	4.02	1.90
5	4.48	4.85	6.22	7.42	8.22	8.71	8.97	9.22	9.05	9.19	3.84	1.86
6	4.50	4.82	6.15	7.43	8.32	8.62	9.00	9.29	9.16	9.20	3.72	1.88
7	4.55	5.14	6.06	7.73	8.21	8.63	9.05	9.35	9.31	9.19	3.74	1.86
8	4.65	5.19	6.07	7.64	8.14	8.69	8.99	9.20	9.26	9.19	3.84	1.91
9	4.70	5.31	6.07	7.52	8.15	8.66	9.06	9.03	9.11	9.18	3.79	2.00
10	4.52	5.41	6.11	7.55	8.17	8.63	9.15	9.06	9.03	9.17	3.83	2.06
11	4.41	5.34	6.25	7.58	8.21	8.66	9.19	9.04	9.09	9.08	3.88	1.87
12	4.39	5.35	6.07	7.62	8.25	8.55	9.07	9.08	9.14	9.12	3.79	1.81
13	4.59	5.47	6.33	7.75	8.35	8.51	9.08	9.19	9.13	9.03	3.90	1.80
14	4.63	5.67	6.54	7.73	8.33	8.52	9.10	9.25	9.16	8.98	3.89	1.92
15	4.32	5.77	6.54	7.76	8.24	8.62	8.97	9.37	9.23	8.93	3.90	1.86
16	4.32	5.40	6.68	7.83	8.24	8.62	9.05	9.47	9.34	8.74	4.14	1.87
17	4.59	5.40	6.75	7.64	8.32	8.76	9.16	9.31	9.10	8.72	4.41	1.93
18	4.47	5.73	6.93	7.65	8.37	8.80	9.21	9.27	9.12	8.50	4.36	1.93
19	4.46	5.78	6.88	7.76	8.30	8.77	9.25	9.25	9.16	8.33	4.34	2.04
20	4.42	6.05	6.82	7.88	8.36	8.78	9.16	9.15	9.24	8.27	4.35	2.17
21	4.59	6.12	6.79	7.90	8.42	8.84	9.11	9.03	9.22	8.31	4.50	2.24
22	4.78	6.09	6.53	7.73	8.42	8.87	9.16	9.03	9.26	8.39	4.57	2.30
23	4.75	5.93	6.60	7.78	8.26	8.91	9.34	9.05	9.14	8.32	3.93	2.08
24	4.72	6.00	6.99	7.82	8.28	8.91	9.29	9.03	9.19	8.33	2.84	1.99
25	4.68	6.06	7.03	7.83	8.47	8.92	9.33	9.10	9.20	8.33	2.65	2.22
26	4.70	5.69	7.08	7.81	8.39	9.01	9.23	9.22	9.24	8.30	2.70	2.48
27	4.91	5.83	7.20	7.90	8.44	9.06	9.23	9.35	9.25	7.80	2.82	2.38
28	4.85	6.19	7.06	8.00	8.48	8.87	9.30	9.17	9.19	6.55	3.08	2.14
29	4.82	5.79	7.03	8.00	---	8.84	9.28	9.20	9.14	6.33	3.10	2.09
30	4.91	5.85	7.10	8.01	---	8.92	9.34	9.09	9.12	6.17	3.14	2.05
31	5.10	---	7.16	8.08	---	9.07	---	9.07	---	5.74	2.80	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644408147162001. Local number, FD00200214DDDA1003.**

LOCATION.--Lat 64°44'08", long 147°16'20", in SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 14, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian,

Hydrologic Unit 19040506. Well located 10 ft off shoulder of northeast corner of Anton Road and Seavy Road intersection, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 15.2 ft, screen opening from 10.2 to 15.2 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 501.44 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 1.76 ft above land surface datum.

REMARKS.--Observation well drilled June 7, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-10. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.69 ft below land-surface datum, September 8, 2003; lowest, 10.95 ft below land-surface datum, March 31, April 1-4, 6-7, 16, 18 and 22-23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.69 ft below land-surface datum, September 8; lowest, 10.33 ft below land-surface datum, June 4-9.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.37	9.94	9.54	9.86	9.92	9.84	10.02	9.67	10.29	10.23	9.03	8.88
2	9.39	9.95	9.52	9.87	9.93	9.85	10.01	9.66	10.30	10.22	9.00	8.85
3	9.41	9.93	9.49	9.87	9.92	9.86	10.02	9.65	10.31	10.22	8.96	8.80
4	9.41	9.89	9.48	9.88	9.93	9.85	10.02	9.65	10.32	10.20	8.91	8.77
5	9.43	9.86	9.48	9.90	9.93	9.86	10.02	9.66	10.33	10.19	8.88	8.74
6	9.43	9.85	9.47	9.90	9.93	9.86	10.03	9.68	10.33	10.17	8.85	8.72
7	9.45	9.85	9.47	9.92	9.91	9.86	10.03	9.71	10.33	10.15	8.84	8.70
8	9.46	9.85	9.46	9.91	9.89	9.86	10.03	9.75	10.32	10.13	8.84	8.69
9	9.49	9.86	9.47	9.89	9.88	9.85	10.03	9.78	10.31	10.12	8.84	8.71
10	9.51	9.86	9.49	9.89	9.87	9.86	10.04	9.80	10.31	10.09	8.85	8.73
11	9.52	9.86	9.51	9.89	9.85	9.88	10.05	9.84	10.30	10.04	8.86	8.75
12	9.53	9.87	9.52	9.88	9.85	9.88	10.03	9.86	10.29	10.01	8.86	8.74
13	9.55	9.88	9.54	9.88	9.84	9.87	10.01	9.89	10.30	9.97	8.88	8.73
14	9.57	9.89	9.58	9.87	9.84	9.88	9.96	9.92	10.30	9.93	8.88	8.75
15	9.60	9.87	9.60	9.86	9.82	9.89	9.93	9.95	10.30	9.88	8.87	8.76
16	9.60	9.83	9.62	9.85	9.82	9.89	9.89	9.98	10.30	9.82	8.88	8.76
17	9.62	9.81	9.64	9.83	9.82	9.91	9.85	10.01	10.29	9.76	8.90	8.78
18	9.64	9.79	9.66	9.83	9.82	9.92	9.83	10.03	10.28	9.70	8.89	8.79
19	9.65	9.77	9.69	9.82	9.81	9.93	9.80	10.05	10.29	9.65	8.88	8.81
20	9.67	9.74	9.69	9.83	9.82	9.94	9.78	10.07	10.29	9.61	8.89	8.85
21	9.69	9.72	9.70	9.83	9.83	9.95	9.76	10.10	10.29	9.56	8.90	8.87
22	9.71	9.69	9.69	9.81	9.84	9.95	9.74	10.11	10.28	9.54	8.93	8.91
23	9.73	9.67	9.71	9.81	9.83	9.96	9.73	10.13	10.27	9.51	8.93	8.92
24	9.75	9.65	9.74	9.81	9.83	9.97	9.71	10.15	10.27	9.49	8.89	8.92
25	9.77	9.63	9.76	9.81	9.85	9.98	9.71	10.16	10.26	9.46	8.86	8.95
26	9.79	9.61	9.79	9.82	9.84	9.99	9.70	10.19	10.26	9.44	8.85	9.01
27	9.82	9.60	9.82	9.84	9.84	10.00	9.69	10.21	10.25	9.39	8.86	9.04
28	9.86	9.59	9.83	9.87	9.85	10.00	9.69	10.23	10.25	9.26	8.88	9.06
29	9.87	9.56	9.83	9.89	---	10.00	9.68	10.25	10.24	9.19	8.89	9.06
30	9.89	9.55	9.84	9.90	---	10.01	9.67	10.26	10.24	9.13	8.90	9.09
31	9.92	---	9.85	9.91	---	10.01	---	10.27	---	9.07	8.91	---



## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**64423147124601. Local number, FD00200318DABC1006.**

LOCATION.--Lat 64°44'23", long 147°12'46", in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 18, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located in Chena River Recreation Area, North Pole. From recreation area entrance station well is approximately 0.8 mi. southeast on dirt road from levee followed by 0.4 mi northeast on intersecting dirt road.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 20.0 ft, screen opening from 14.9 ft to 19.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 501.54 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 6.40 ft above land surface datum.

REMARKS.--Observation well drilled September 9, 1994 by the U.S. Army Corps of Engineers and designated as USAP-3. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.72 ft below land-surface datum, September 24, 2003; lowest, 11.37 ft below land-surface datum, April 22-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.72 ft below land-surface datum, September 24; lowest, 10.47 ft below land-surface datum, July 8.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.35	8.74	9.09	9.38	9.77	10.00	10.21	10.03	10.24	10.42	9.84	8.45
2	8.38	8.74	9.10	9.40	9.78	10.02	10.21	10.03	10.27	10.42	9.73	8.42
3	8.37	8.74	9.10	9.40	9.78	10.03	10.22	10.02	10.28	10.43	9.62	8.39
4	8.37	8.74	9.11	9.41	9.80	10.03	10.23	10.02	10.30	10.44	9.52	8.34
5	8.34	8.77	9.13	9.44	9.81	10.04	10.23	10.03	10.30	10.44	9.43	8.29
6	8.34	8.77	9.13	9.45	9.82	10.05	10.24	10.03	10.31	10.45	9.34	8.24
7	8.33	8.80	9.13	9.47	9.83	10.05	10.24	10.03	10.31	10.45	9.27	8.19
8	8.35	8.81	9.13	9.50	9.84	10.06	10.25	10.03	10.32	10.45	9.19	8.15
9	8.38	8.83	9.13	9.51	9.85	10.06	10.26	10.02	10.33	10.46	9.13	8.11
10	8.38	8.84	9.13	9.52	9.85	10.07	10.27	10.02	10.33	10.46	9.06	8.08
11	8.37	8.85	9.15	9.53	9.86	10.07	10.28	10.03	10.34	10.45	9.00	8.06
12	8.37	8.86	9.13	9.54	9.87	10.07	10.30	10.02	10.34	10.45	8.96	8.02
13	8.40	8.86	9.16	9.56	9.89	10.07	10.30	10.02	10.34	10.44	8.91	7.98
14	8.41	8.89	9.18	9.57	9.90	10.07	10.31	10.04	10.34	10.44	8.86	7.96
15	8.40	8.91	9.18	9.59	9.90	10.08	10.31	10.06	10.35	10.43	8.83	7.91
16	8.40	8.89	9.19	9.60	9.90	10.08	10.31	10.08	10.36	10.41	8.81	7.88
17	8.45	8.89	9.20	9.61	9.91	10.09	10.32	10.09	10.37	10.41	8.78	7.84
18	8.45	8.92	9.22	9.62	9.93	10.10	10.32	10.11	10.37	10.38	8.75	7.81
19	8.46	8.93	9.24	9.63	9.94	10.11	10.28	10.11	10.37	10.35	8.72	7.80
20	8.46	8.96	9.25	9.65	9.94	10.11	10.24	10.12	10.38	10.32	8.70	7.78
21	8.48	8.97	9.25	9.67	9.95	10.12	10.20	10.11	10.39	10.30	8.68	7.78
22	8.53	8.99	9.24	9.68	9.96	10.13	10.18	10.11	10.40	10.28	8.66	7.77
23	8.54	8.99	9.26	9.68	9.96	10.14	10.15	10.12	10.40	10.25	8.64	7.73
24	8.56	9.00	9.28	9.69	9.96	10.14	10.12	10.13	10.40	10.22	8.62	7.72
25	8.57	9.02	9.30	9.70	9.98	10.15	10.10	10.15	10.40	10.19	8.59	7.73
26	8.59	9.00	9.31	9.70	9.98	10.16	10.08	10.17	10.41	10.16	8.57	7.77
27	8.62	9.02	9.33	9.72	9.98	10.17	10.06	10.18	10.42	10.15	8.55	7.78
28	8.65	9.06	9.34	9.73	9.99	10.18	10.06	10.20	10.42	10.09	8.54	7.75
29	8.66	9.04	9.34	9.74	---	10.18	10.04	10.21	10.43	10.05	8.51	7.75
30	8.68	9.05	9.36	9.75	---	10.18	10.04	10.22	10.42	10.01	8.49	7.75
31	8.71	---	9.37	9.76	---	10.19	---	10.23	---	9.93	8.47	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644435147141901. Local number, FD00200213ADAD1007.**

LOCATION.--Lat 64°44'35", long 147°14'19", in NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located south on Gordon Road from the intersection with Lyle Road, south of shoulder where road veers west, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 19.15 ft, screen opening from 14.2 to 18.7 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 502.24 ft above NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.37 ft above land surface datum.

REMARKS.--Observation well drilled April 6, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-8S. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.20 ft below land-surface datum, September 24, 2003; lowest, 13.05 ft below land-surface datum, April 24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 10.20 ft below land-surface datum, September 24; lowest, 12.43 ft below land-surface datum, July 4 and July 6-8.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.76	11.26	11.46	11.73	11.98	12.09	12.26	12.01	12.27	12.41	11.69	10.61
2	10.79	11.27	11.45	11.74	11.98	12.10	12.26	12.00	12.29	12.40	11.61	10.60
3	10.81	11.27	11.44	11.74	11.98	12.11	12.27	11.98	12.31	12.41	11.53	10.58
4	10.82	11.28	11.45	11.75	12.00	12.11	12.27	11.97	12.31	12.42	11.44	10.55
5	10.79	11.29	11.45	11.78	12.01	12.12	12.27	11.97	12.32	12.42	11.36	10.52
6	10.80	11.29	11.45	11.79	12.03	12.12	12.28	11.97	12.33	12.42	11.28	10.49
7	10.81	11.31	11.44	11.82	12.03	12.13	12.28	11.97	12.33	12.42	11.21	10.44
8	10.83	11.32	11.44	11.83	12.03	12.14	12.29	11.97	12.34	12.42	11.14	10.42
9	10.86	11.33	11.44	11.83	12.03	12.13	12.30	11.97	12.33	12.41	11.07	10.39
10	10.88	11.35	11.44	11.84	12.04	12.14	12.30	11.97	12.33	12.41	11.01	10.37
11	10.88	11.36	11.45	11.85	12.04	12.14	12.31	11.98	12.34	12.39	10.96	10.36
12	10.88	11.36	11.45	11.86	12.04	12.13	12.31	11.99	12.34	12.38	10.92	10.34
13	10.91	11.37	11.47	11.87	12.05	12.13	12.32	12.01	12.34	12.36	10.88	10.32
14	10.93	11.39	11.49	11.88	12.05	12.13	12.31	12.03	12.34	12.35	10.84	10.31
15	10.92	11.40	11.50	11.89	12.04	12.14	12.30	12.05	12.35	12.33	10.82	10.28
16	10.92	11.39	11.52	11.90	12.04	12.15	12.30	12.07	12.36	12.31	10.80	10.26
17	10.97	11.39	11.53	11.89	12.05	12.15	12.28	12.08	12.35	12.28	10.79	10.24
18	10.98	11.41	11.55	11.89	12.06	12.16	12.27	12.09	12.36	12.25	10.76	10.23
19	10.98	11.42	11.58	11.90	12.05	12.16	12.23	12.11	12.37	12.21	10.74	10.22
20	10.98	11.43	11.58	11.92	12.06	12.17	12.19	12.12	12.38	12.17	10.73	10.22
21	11.01	11.44	11.59	11.93	12.07	12.18	12.16	12.13	12.38	12.14	10.73	10.22
22	11.04	11.43	11.58	11.92	12.07	12.18	12.15	12.13	12.38	12.12	10.72	10.24
23	11.06	11.42	11.59	11.92	12.06	12.19	12.13	12.15	12.38	12.09	10.71	10.21
24	11.07	11.43	11.62	11.93	12.06	12.20	12.10	12.15	12.39	12.06	10.70	10.20
25	11.09	11.44	11.63	11.93	12.08	12.20	12.09	12.17	12.39	12.04	10.68	10.22
26	11.11	11.40	11.65	11.93	12.07	12.21	12.07	12.20	12.40	12.01	10.67	10.28
27	11.14	11.42	11.67	11.94	12.08	12.23	12.06	12.22	12.40	11.99	10.67	10.31
28	11.18	11.45	11.68	11.95	12.09	12.23	12.05	12.23	12.41	11.92	10.66	10.30
29	11.18	11.42	11.68	11.95	---	12.23	12.03	12.24	12.41	11.88	10.64	10.31
30	11.21	11.42	11.70	11.96	---	12.24	12.02	12.25	12.41	11.82	10.63	10.32
31	11.24	---	11.71	11.97	---	12.25	---	12.26	---	11.76	10.63	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644435147141902. Local number, FD00200213ADAD2007.**

LOCATION.--Lat 64°44'35", long 147°14'19", in NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located 0.3 miles south on Gordon Road from the intersection with Lyle Road, south of shoulder where road veers west, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 64.39 ft, screen opening from 59.5 to 64.0 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 502.54 ft above NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.16 ft above land surface datum.

REMARKS.--Observation well drilled April 6, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-8D. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.52 ft below land-surface datum, September 24, 2003; lowest, 13.36 ft below land-surface datum, April 22-24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 10.52 ft below land-surface datum, September 24; lowest, 12.74 ft below land-surface datum, July 5 and July 7-10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.00	11.52	11.72	11.99	12.24	12.39	12.58	12.34	12.58	12.72	12.00	10.93
2	11.06	11.54	11.71	12.00	12.25	12.39	12.58	12.32	12.60	12.71	11.92	10.92
3	11.08	11.53	11.70	12.01	12.25	12.41	12.59	12.31	12.61	12.72	11.84	10.90
4	11.08	11.54	11.71	12.01	12.26	12.41	12.59	12.30	12.62	12.73	11.75	10.87
5	11.06	11.55	11.71	12.04	12.27	12.42	12.59	12.30	12.62	12.73	11.67	10.84
6	11.07	11.55	11.71	12.05	12.29	12.42	12.61	12.29	12.63	12.73	11.59	10.80
7	11.08	11.57	11.70	12.08	12.29	12.44	12.61	12.30	12.64	12.73	11.52	10.76
8	11.09	11.58	11.70	12.09	12.29	12.44	12.62	12.30	12.65	12.74	11.45	10.74
9	11.13	11.60	11.70	12.10	12.30	12.44	12.62	12.29	12.65	12.73	11.38	10.71
10	11.15	11.61	11.71	12.11	12.31	12.45	12.64	12.30	12.65	12.72	11.32	10.69
11	11.14	11.62	11.72	12.12	12.31	12.46	12.64	12.31	12.66	12.71	11.27	10.68
12	11.15	11.62	11.71	12.12	12.32	12.45	12.64	12.31	12.66	12.70	11.23	10.66
13	11.18	11.63	11.73	12.14	12.33	12.45	12.65	12.33	12.66	12.68	11.19	10.64
14	11.19	11.65	11.75	12.14	12.33	12.45	12.64	12.35	12.66	12.67	11.15	10.63
15	11.19	11.66	11.76	12.15	12.32	12.46	12.63	12.37	12.67	12.64	11.13	10.60
16	11.19	11.65	11.78	12.16	12.32	12.46	12.64	12.39	12.68	12.61	11.12	10.58
17	11.24	11.65	11.79	12.15	12.33	12.47	12.62	12.40	12.67	12.59	11.11	10.56
18	11.25	11.67	11.81	12.15	12.35	12.48	12.60	12.41	12.67	12.55	11.09	10.54
19	11.25	11.68	11.83	12.17	12.34	12.48	12.56	12.43	12.68	12.51	11.07	10.54
20	11.26	11.69	11.84	12.18	12.35	12.49	12.53	12.43	12.68	12.48	11.06	10.54
21	11.28	11.70	11.85	12.19	12.35	12.50	12.50	12.44	12.69	12.45	11.05	10.54
22	11.31	11.70	11.84	12.18	12.36	12.50	12.48	12.45	12.69	12.42	11.05	10.56
23	11.32	11.69	11.85	12.18	12.35	12.51	12.46	12.47	12.69	12.39	11.04	10.53
24	11.34	11.69	11.88	12.19	12.35	12.52	12.44	12.47	12.68	12.37	11.03	10.52
25	11.36	11.70	11.89	12.19	12.37	12.52	12.42	12.49	12.70	12.34	11.01	10.54
26	11.37	11.67	11.90	12.19	12.36	12.54	12.40	12.51	12.71	12.33	10.99	10.60
27	11.41	11.68	11.93	12.20	12.38	12.55	12.38	12.54	12.71	12.30	10.98	10.63
28	11.44	11.71	11.94	12.21	12.38	12.55	12.38	12.55	12.72	12.25	10.97	10.62
29	11.45	11.68	11.95	12.22	---	12.55	12.36	12.56	12.72	12.19	10.96	10.63
30	11.47	11.69	11.96	12.22	---	12.56	12.35	12.56	12.72	12.13	10.95	10.64
31	11.50	---	11.97	12.23	---	12.57	---	12.57	---	12.07	10.95	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**64435147172001. Local number, FD00200214ACBC1002.**

LOCATION.--Lat 64°44'35", long 147°17'20", in NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 14, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located 25 ft off shoulder of southeast corner of Newby Road and Newby Park intersection, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 16.9 ft, screen opening from 11.9 to 16.4 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 497.04 ft above NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey.). Measuring point: top of inner casing 2.56 ft above land surface datum.

REMARKS.--Observation well drilled April 8, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-9. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; this may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.96 ft below land-surface datum, August 26, 2002; lowest, 8.72 ft below land-surface datum, April 15-19, 22, 23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.00 ft below land-surface datum, August 5-7; lowest, 8.52 ft below land-surface datum, June 3-6.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.64	8.25	8.06	8.29	8.24	8.17	8.25	8.05	8.49	8.31	7.13	7.24
2	7.65	8.27	8.04	8.29	8.25	8.18	8.25	8.03	8.50	8.29	7.11	7.21
3	7.67	8.28	8.02	8.28	8.25	8.19	8.25	8.02	8.51	8.29	7.04	7.18
4	7.68	8.30	8.01	8.28	8.24	8.18	8.25	8.02	8.51	8.28	7.01	7.16
5	7.70	8.32	8.00	8.30	8.25	8.18	8.25	8.03	8.52	8.27	7.00	7.13
6	7.70	8.32	7.99	8.31	8.25	8.18	8.26	8.05	8.50	8.24	7.00	7.12
7	7.73	8.34	7.99	8.32	8.22	8.18	8.26	8.07	8.49	8.22	7.00	7.11
8	7.73	8.34	7.99	8.31	8.21	8.19	8.26	8.09	8.48	8.21	7.03	7.17
9	7.76	8.35	7.99	8.29	8.19	8.19	8.27	8.11	8.47	8.20	7.05	7.31
10	7.77	8.36	8.00	8.28	8.18	8.19	8.28	8.13	8.46	8.15	7.07	7.36
11	7.78	8.37	8.02	8.28	8.17	8.19	8.27	8.16	8.46	8.11	7.09	7.39
12	7.79	8.38	8.04	8.27	8.16	8.18	8.26	8.17	8.46	8.07	7.11	7.39
13	7.81	8.39	8.05	8.26	8.15	8.18	8.24	8.19	8.46	8.03	7.12	7.39
14	7.83	8.40	8.08	8.25	8.15	8.18	8.19	8.22	8.45	7.99	7.11	7.41
15	7.85	8.39	8.10	8.23	8.14	8.19	8.15	8.24	8.45	7.92	7.11	7.43
16	7.86	8.35	8.11	8.21	8.14	8.19	8.11	8.26	8.44	7.87	7.12	7.43
17	7.87	8.33	8.13	8.19	8.14	8.20	8.07	8.28	8.42	7.82	7.15	7.45
18	7.89	8.31	8.15	8.19	8.15	8.20	8.06	8.30	8.41	7.78	7.15	7.46
19	7.90	8.29	8.17	8.18	8.14	8.20	8.07	8.32	8.41	7.73	7.15	7.48
20	7.91	8.27	8.18	8.18	8.14	8.20	8.06	8.33	8.41	7.70	7.15	7.51
21	7.93	8.25	8.18	8.18	8.14	8.20	8.06	8.34	8.40	7.67	7.16	7.53
22	7.95	8.22	8.18	8.16	8.16	8.21	8.06	8.35	8.39	7.65	7.17	7.56
23	7.97	8.20	8.19	8.16	8.16	8.23	8.06	8.37	8.38	7.63	7.15	7.58
24	8.03	8.19	8.21	8.15	8.16	8.24	8.08	8.37	8.37	7.62	7.10	7.58
25	8.08	8.16	8.23	8.16	8.17	8.24	8.08	8.39	8.37	7.59	7.10	7.60
26	8.11	8.14	8.25	8.16	8.16	8.24	8.08	8.41	8.36	7.55	7.10	7.63
27	8.14	8.13	8.27	8.17	8.16	8.25	8.07	8.43	8.36	7.41	7.10	7.66
28	8.17	8.11	8.28	8.20	8.17	8.25	8.07	8.44	8.34	7.31	7.12	7.68
29	8.19	8.08	8.28	8.21	---	8.24	8.06	8.46	8.33	7.26	7.12	7.69
30	8.21	8.07	8.29	8.23	---	8.24	8.05	8.47	8.32	7.21	7.15	7.70
31	8.23	---	8.29	8.24	---	8.25	---	8.48	---	7.16	7.26	---

## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**64444147143901. Local number, FD00200213AACD1005.**

LOCATION.--Lat 64°44'44", long 147°14'39", in SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.2 mi south on Silver Street from the intersection with Lyle Road, then 15 ft south of road, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.15 ft, screen opening from 12.4 to 16.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 500.34 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.33 ft above land surface datum.

REMARKS.--Observation well drilled April 8, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-7. Missing daily values March 25 to April 5 due to equipment malfunction. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.74 ft below land-surface datum, September 24, 2003; lowest, 11.48 ft below land-surface datum, April 22-25, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.74 ft below land-surface datum, September 24; lowest, 10.88 ft below land-surface datum, June 28 to July 10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.17	9.69	9.94	10.20	10.44	10.57	---	10.48	10.75	10.87	10.11	9.11
2	9.20	9.71	9.93	10.21	10.45	10.58	---	10.47	10.77	10.87	10.04	9.10
3	9.22	9.72	9.92	10.22	10.45	10.58	---	10.45	10.78	10.88	9.97	9.07
4	9.23	9.72	9.92	10.22	10.46	10.59	---	10.44	10.78	10.88	9.89	9.04
5	9.21	9.74	9.93	10.24	10.47	10.60	---	10.44	10.79	10.88	9.80	9.01
6	9.21	9.75	9.92	10.25	10.48	10.60	10.76	10.44	10.80	10.88	9.73	8.97
7	9.22	9.77	9.92	10.28	10.49	10.61	10.77	10.44	10.80	10.88	9.66	8.94
8	9.24	9.79	9.92	10.29	10.49	10.61	10.76	10.44	10.81	10.88	9.60	8.92
9	9.27	9.80	9.92	10.30	10.49	10.61	10.77	10.44	10.81	10.87	9.54	8.89
10	9.30	9.82	9.92	10.30	10.50	10.62	10.78	10.45	10.81	10.86	9.48	8.88
11	9.29	9.83	9.93	10.31	10.50	10.62	10.79	10.46	10.81	10.85	9.44	8.87
12	9.29	9.84	9.92	10.32	10.50	10.61	10.79	10.47	10.82	10.83	9.40	8.85
13	9.33	9.85	9.94	10.33	10.50	10.61	10.79	10.48	10.82	10.82	9.37	8.84
14	9.34	9.86	9.96	10.34	10.51	10.61	10.79	10.50	10.82	10.80	9.33	8.82
15	9.35	9.88	9.97	10.35	10.51	10.62	10.77	10.52	10.83	10.77	9.31	8.80
16	9.35	9.87	9.98	10.35	10.51	10.63	10.77	10.54	10.83	10.74	9.30	8.78
17	9.40	9.88	10.00	10.35	10.52	10.63	10.75	10.56	10.83	10.71	9.29	8.76
18	9.41	9.89	10.03	10.35	10.53	10.64	10.73	10.57	10.84	10.68	9.28	8.75
19	9.41	9.90	10.05	10.36	10.53	10.65	10.70	10.58	10.84	10.64	9.26	8.75
20	9.42	9.91	10.06	10.37	10.53	10.65	10.66	10.59	10.85	10.61	9.25	8.75
21	9.44	9.92	10.07	10.38	10.53	10.66	10.63	10.60	10.85	10.58	9.24	8.76
22	9.47	9.92	10.06	10.37	10.54	10.66	10.61	10.61	10.85	10.56	9.24	8.78
23	9.49	9.91	10.07	10.38	10.53	10.67	10.59	10.62	10.85	10.53	9.23	8.75
24	9.50	9.92	10.09	10.38	10.53	10.67	10.57	10.63	10.86	10.51	9.22	8.74
25	9.52	9.92	10.11	10.40	10.55	---	10.56	10.64	10.86	10.48	9.20	8.76
26	9.54	9.89	10.12	10.39	10.55	---	10.54	10.67	10.87	10.46	9.17	8.82
27	9.57	9.90	10.14	10.40	10.55	---	10.53	10.69	10.87	10.43	9.17	8.85
28	9.61	9.93	10.15	10.41	10.56	---	10.52	10.70	10.87	10.36	9.16	8.85
29	9.62	9.90	10.16	10.42	---	---	10.50	10.72	10.87	10.30	9.14	8.85
30	9.64	9.90	10.17	10.42	---	---	10.49	10.73	10.87	10.24	9.13	8.86
31	9.67	---	10.18	10.43	---	---	---	10.74	---	10.17	9.13	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644446147120901. Local number, FD00200317BBCA1001.**

LOCATION.--Lat 64°44'46", long 147°12'09", in SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub>, sec. 17, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located in Chena River Recreation Area, North Pole. From recreation area entrance station well is approximately 0.8 mi southeast on dirt road from levee followed by 0.8 mi northeast on intersecting dirt road.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 15.2 ft, screen opening from 10.1 ft. to 15.1 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 05, 2001 to current year.

DATUM.--Elevation of land-surface datum is 497.64 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 6.11 ft above land surface datum.

REMARKS.--Observation well drilled September 9, 1994 by the U.S. Army Corps of Engineers and designated as USAP-4. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.52 ft below land-surface datum, August 1, 2003; lowest, 11.81 ft below land-surface datum, April 27-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 0.52 ft below land-surface datum, August 1; lowest, 10.61 ft below land-surface datum, April 16-19.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.18	5.52	7.07	8.28	9.17	9.77	10.36	10.41	10.44	10.33	0.52	2.86
2	4.27	5.57	7.11	8.30	9.19	9.80	10.37	10.39	10.47	10.32	0.61	2.62
3	4.30	5.61	7.14	8.32	9.23	9.82	10.39	10.37	10.49	10.34	0.56	2.60
4	4.31	5.64	7.18	8.35	9.25	9.84	10.41	10.36	10.48	10.36	0.64	2.67
5	4.34	5.68	7.23	8.41	9.28	9.86	10.42	10.36	10.47	10.35	0.85	2.84
6	4.35	5.72	7.26	8.43	9.29	9.89	10.43	10.37	10.47	10.35	1.01	2.97
7	4.43	5.79	7.29	8.49	9.32	9.90	10.45	10.37	10.48	10.35	1.32	3.08
8	4.50	5.83	7.33	8.53	9.34	9.93	10.47	10.36	10.46	10.34	1.68	3.14
9	4.55	5.89	7.37	8.56	9.37	9.93	10.48	10.34	10.42	10.32	1.98	3.26
10	4.59	5.95	7.40	8.59	9.38	9.95	10.50	10.34	10.41	10.31	2.20	3.35
11	4.59	6.00	7.44	8.62	9.41	9.96	10.52	10.33	10.40	10.30	2.40	2.90
12	4.61	6.04	7.48	8.65	9.43	9.98	10.54	10.33	10.38	10.29	2.51	2.91
13	4.68	6.09	7.53	8.69	9.46	9.98	10.55	10.34	10.36	10.26	2.71	3.06
14	4.72	6.16	7.58	8.71	9.49	10.00	10.57	10.35	10.36	10.25	2.81	3.24
15	4.73	6.22	7.62	8.74	9.51	10.01	10.58	10.36	10.36	10.22	2.91	3.39
16	4.74	6.26	7.66	8.77	9.51	10.03	10.59	10.39	10.36	10.18	3.11	3.40
17	4.85	6.29	7.71	8.80	9.54	10.05	10.60	10.39	10.34	10.14	3.27	3.44
18	4.87	6.37	7.77	8.81	9.56	10.07	10.60	10.39	10.33	10.07	3.34	3.46
19	4.89	6.42	7.83	8.85	9.58	10.10	10.58	10.39	10.33	10.00	3.42	3.52
20	4.93	6.50	7.86	8.88	9.60	10.11	10.54	10.38	10.34	9.93	3.47	3.61
21	4.98	6.56	7.87	8.92	9.61	10.13	10.50	10.36	10.34	9.88	3.57	3.66
22	5.05	6.62	7.90	8.94	9.64	10.15	10.50	10.36	10.34	9.84	3.66	3.74
23	5.09	6.67	7.93	8.95	9.65	10.18	10.49	10.37	10.33	9.79	3.33	3.67
24	5.13	6.72	7.99	8.98	9.66	10.20	10.47	10.36	10.33	9.76	2.79	3.63
25	5.17	6.78	8.02	8.99	9.69	10.21	10.47	10.38	10.34	9.72	2.80	3.75
26	5.21	6.80	8.07	9.01	9.70	10.24	10.44	10.39	10.35	9.69	2.95	3.90
27	5.27	6.85	8.12	9.03	9.72	10.27	10.43	10.42	10.36	9.66	3.15	3.94
28	5.34	6.93	8.15	9.07	9.75	10.29	10.43	10.43	10.35	9.54	3.39	3.88
29	5.37	6.94	8.17	9.09	---	10.30	10.42	10.43	10.35	9.36	3.53	3.88
30	5.41	6.99	8.21	9.11	---	10.31	10.41	10.43	10.34	4.25	3.57	3.90
31	5.48	---	8.24	9.14	---	10.33	---	10.43	---	0.70	3.53	---

## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**64450147131201. Local number, FD00200318ABBD1005.**

LOCATION.--Lat 64°44'50", long 147°13'12", in NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 18, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located in Chena River Recreation Area, North Pole. From recreation area entrance station well is approximately 0.3 mi southeast on dirt road from levee.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 24.8 ft, screen opening from 19.7 to 24.7 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; Submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 502.44 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 5.38 ft above land surface datum.

REMARKS.--Observation well drilled September 9, 1994 by the U.S. Army Corps of Engineers and designated as USAP-5. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5 which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.13 ft below land-surface datum, September 24, 2003; lowest, 14.81 ft below land-surface datum, April 15-19 and 21-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 11.13 ft below land-surface datum, September 24; lowest, 13.99 ft below land-surface datum, July 10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.73	12.27	12.76	13.13	13.51	13.68	13.85	13.66	13.79	13.94	12.74	11.59
2	11.77	12.29	12.76	13.14	13.53	13.67	13.85	13.64	13.81	13.94	12.46	11.58
3	11.80	12.28	12.77	13.14	13.53	13.69	13.87	13.62	13.83	13.95	12.25	11.55
4	11.83	12.30	12.77	13.15	13.55	13.70	13.87	13.61	13.83	13.97	12.11	11.52
5	11.80	12.33	12.80	13.18	13.56	13.70	13.89	13.61	13.83	13.97	12.01	11.48
6	11.80	12.35	12.80	13.19	13.58	13.70	13.89	13.60	13.85	13.97	11.92	11.44
7	11.81	12.38	12.80	13.23	13.57	13.71	13.90	13.60	13.85	13.97	11.84	11.40
8	11.83	12.39	12.80	13.24	13.57	13.72	13.90	13.59	13.86	13.98	11.79	11.37
9	11.86	12.41	12.81	13.24	13.58	13.72	13.92	13.58	13.86	13.98	11.75	11.34
10	11.88	12.43	12.83	13.26	13.59	13.72	13.93	13.59	13.86	13.98	11.71	11.32
11	11.87	12.45	12.84	13.28	13.60	13.73	13.93	13.58	13.86	13.97	11.68	11.31
12	11.87	12.46	12.83	13.29	13.60	13.72	13.94	13.59	13.86	13.97	11.67	11.29
13	11.92	12.47	12.85	13.31	13.62	13.72	13.94	13.60	13.86	13.95	11.66	11.28
14	11.93	12.50	12.87	13.32	13.62	13.73	13.94	13.61	13.87	13.94	11.64	11.26
15	11.91	12.53	12.88	13.34	13.62	13.73	13.93	13.63	13.88	13.93	11.63	11.23
16	11.91	12.52	12.90	13.35	13.62	13.74	13.96	13.65	13.89	13.91	11.64	11.21
17	11.97	12.53	12.91	13.36	13.63	13.75	13.95	13.65	13.88	13.90	11.66	11.19
18	11.97	12.56	12.94	13.37	13.63	13.76	13.95	13.66	13.88	13.87	11.66	11.17
19	11.97	12.57	12.96	13.39	13.64	13.76	13.92	13.66	13.89	13.83	11.65	11.17
20	11.97	12.59	12.97	13.41	13.65	13.76	13.89	13.66	13.90	13.79	11.65	11.16
21	12.01	12.61	12.97	13.43	13.65	13.77	13.85	13.66	13.90	13.76	11.66	11.17
22	12.05	12.64	12.96	13.42	13.66	13.78	13.82	13.67	13.91	13.74	11.66	11.18
23	12.06	12.65	12.98	13.43	13.65	13.79	13.80	13.68	13.92	13.71	11.66	11.14
24	12.09	12.65	13.01	13.44	13.66	13.80	13.76	13.68	13.92	13.69	11.64	11.13
25	12.11	12.68	13.02	13.45	13.67	13.80	13.76	13.70	13.93	13.66	11.61	11.15
26	12.12	12.66	13.04	13.45	13.65	13.82	13.72	13.72	13.93	13.64	11.61	11.22
27	12.16	12.68	13.07	13.46	13.67	13.82	13.72	13.73	13.94	13.60	11.61	11.25
28	12.19	12.72	13.08	13.48	13.68	13.82	13.72	13.74	13.94	13.55	11.63	11.22
29	12.20	12.70	13.08	13.49	---	13.82	13.69	13.76	13.94	13.50	11.62	11.22
30	12.22	12.72	13.09	13.50	---	13.84	13.69	13.76	13.95	13.44	11.61	11.23
31	12.25	---	13.10	13.51	---	13.85	---	13.78	---	13.13	11.61	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**64454147151701. Local number, FD00200213ABBB1006.**

LOCATION.--Lat 64°44'54", long 147°15'17", in NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 30 ft southeast of intersection of Nelson Rd and Lyle Rd, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.9 ft, screen openings from 12.6 to 17.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic datalogger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 497.94 ft above NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.61 ft above land surface datum.

REMARKS.--Observation well drilled April 8, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-6. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.53 ft below land-surface datum, September 18-19, 2003; lowest, 10.13 ft below land-surface datum, April 22-24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.53 ft below land-surface datum, September 18-19; lowest, 9.60 ft below land-surface datum, April 10-14.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.96	8.54	8.84	9.11	9.34	9.44	9.56	9.23	9.49	9.55	8.67	7.88
2	7.99	8.56	8.83	9.12	9.35	9.45	9.56	9.22	9.51	9.55	8.62	7.85
3	8.01	8.57	8.82	9.13	9.37	9.45	9.56	9.20	9.52	9.55	8.55	7.82
4	8.01	8.59	8.82	9.13	9.37	9.46	9.57	9.20	9.52	9.56	8.47	7.78
5	8.00	8.61	8.83	9.15	9.38	9.47	9.57	9.19	9.52	9.56	8.40	7.73
6	8.00	8.63	8.82	9.17	9.39	9.47	9.57	9.19	9.53	9.56	8.34	7.70
7	8.02	8.65	8.81	9.19	9.40	9.47	9.58	9.20	9.54	9.55	8.29	7.67
8	8.03	8.67	8.81	9.20	9.40	9.48	9.58	9.21	9.54	9.55	8.24	7.65
9	8.07	8.68	8.81	9.21	9.40	9.48	9.59	9.21	9.53	9.55	8.21	7.63
10	8.09	8.70	8.81	9.22	9.40	9.48	9.59	9.21	9.53	9.53	8.17	7.62
11	8.09	8.72	8.83	9.22	9.40	9.48	9.59	9.22	9.53	9.51	8.14	7.62
12	8.09	8.73	8.83	9.23	9.40	9.46	9.59	9.22	9.53	9.49	8.12	7.60
13	8.12	8.74	8.84	9.25	9.41	9.46	9.59	9.24	9.53	9.47	8.09	7.59
14	8.14	8.76	8.87	9.26	9.41	9.46	9.58	9.25	9.53	9.45	8.07	7.58
15	8.15	8.78	8.88	9.26	9.40	9.47	9.55	9.27	9.54	9.41	8.05	7.56
16	8.14	8.77	8.89	9.27	9.40	9.47	9.55	9.29	9.54	9.37	8.04	7.54
17	8.18	8.78	8.91	9.27	9.41	9.48	9.52	9.31	9.54	9.33	8.04	7.54
18	8.20	8.79	8.92	9.27	9.41	9.49	9.49	9.32	9.54	9.29	8.02	7.53
19	8.20	8.80	8.95	9.28	9.41	9.50	9.45	9.34	9.54	9.26	8.01	7.53
20	8.21	8.81	8.95	9.29	9.41	9.50	9.42	9.35	9.55	9.22	8.01	7.54
21	8.23	8.82	8.97	9.30	9.41	9.50	9.39	9.36	9.55	9.20	8.01	7.55
22	8.27	8.82	8.97	9.29	9.41	9.51	9.37	9.36	9.56	9.17	8.00	7.58
23	8.28	8.82	8.98	9.29	9.41	9.51	9.36	9.38	9.56	9.15	7.99	7.56
24	8.31	8.82	9.00	9.30	9.41	9.52	9.34	9.39	9.55	9.13	7.98	7.54
25	8.34	8.83	9.01	9.30	9.42	9.53	9.31	9.40	9.55	9.11	7.95	7.57
26	8.36	8.80	9.03	9.30	9.42	9.54	9.30	9.41	9.55	9.08	7.93	7.63
27	8.41	8.81	9.05	9.31	9.43	9.54	9.28	9.43	9.56	9.02	7.93	7.66
28	8.45	8.83	9.06	9.32	9.44	9.54	9.27	9.45	9.56	8.93	7.92	7.66
29	8.46	8.80	9.07	9.33	---	9.54	9.26	9.46	9.56	8.86	7.91	7.66
30	8.49	8.81	9.08	9.34	---	9.54	9.24	9.47	9.56	8.79	7.90	7.68
31	8.52	---	9.09	9.34	---	9.55	---	9.48	---	8.73	7.90	---



## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644528147131201. Local number, FD00200307ACBD1001 51660.**

LOCATION.--Lat 64°45'28", long 147°13'12", NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 7, T.2 S., R.3 E., (Fairbanks D-1) Fairbanks Meridian, Hydrologic Unit 19040506, inside Corps of Engineers Chena Lakes Project fenced compound, 120 ft west of headquarters building and 2 mi northeast of the intersection of Laurence and Nelson Roads.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4-in., depth 31 ft, screened from 28.5 to 31 ft.

INSTRUMENTATION.--Continuous strip-chart recorder from June 1976 to May 1980. Digital recorder--1-hour punch interval, from October 1985 to April 1995. Electronic data logger from April 1995 to present.

DATUM.--Elevation of land-surface datum is 494.7 ft above sea level (determined by levels survey). Measuring point: top of casing 2.91 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers, designated as P-252. Water levels from water years 1986 through 1990 were not previously published and are available from NWIS. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; this may have affected ground water levels.

PERIOD OF RECORD.--June 1976 to May 1980 and October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.85 ft below land-surface datum, June 8-9, 1992; lowest, 13.20 ft below land-surface datum September 15, 1976.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.09 ft below land-surface datum, September 17-19; lowest, 10.63 ft below land-surface datum, April 14-17.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.88	8.44	9.13	9.65	10.09	10.33	10.54	10.33	10.26	10.44	8.83	7.51
2	7.88	8.47	9.16	9.67	10.10	10.34	10.54	10.30	10.27	10.44	8.46	7.43
3	7.89	8.49	9.17	9.68	10.11	10.35	10.55	10.28	10.29	10.45	8.11	7.38
4	7.91	8.51	9.19	9.70	10.13	10.36	10.56	10.25	10.31	10.46	7.82	7.29
5	7.91	8.53	9.21	9.72	10.14	10.37	10.56	10.23	10.31	10.47	7.59	7.23
6	7.91	8.55	9.22	9.73	10.15	10.37	10.57	10.22	10.32	10.47	7.42	7.19
7	7.91	8.58	9.24	9.75	10.17	10.38	10.57	10.21	10.33	10.48	7.31	7.16
8	7.92	8.61	9.25	9.77	10.18	10.39	10.58	10.20	10.34	10.49	7.25	7.14
9	7.95	8.63	9.26	9.80	10.19	10.40	10.59	10.19	10.34	10.49	7.21	7.13
10	7.99	8.66	9.27	9.81	10.20	10.41	10.59	10.18	10.33	10.50	7.19	7.13
11	8.01	8.69	9.27	9.83	10.21	10.41	10.60	10.17	10.32	10.50	7.18	7.13
12	8.01	8.72	9.29	9.84	10.22	10.41	10.61	10.17	10.32	10.50	7.18	7.12
13	8.03	8.74	9.30	9.86	10.22	10.42	10.61	10.17	10.31	10.49	7.19	7.11
14	8.05	8.77	9.32	9.87	10.23	10.42	10.62	10.16	10.31	10.49	7.20	7.11
15	8.08	8.80	9.34	9.89	10.24	10.42	10.62	10.16	10.31	10.48	7.22	7.10
16	8.08	8.84	9.36	9.90	10.25	10.43	10.62	10.17	10.32	10.45	7.24	7.10
17	8.10	8.85	9.38	9.92	10.26	10.43	10.61	10.17	10.33	10.42	7.29	7.09
18	8.12	8.87	9.40	9.92	10.26	10.44	10.61	10.17	10.33	10.39	7.33	7.09
19	8.13	8.90	9.43	9.94	10.27	10.45	10.60	10.17	10.34	10.33	7.37	7.09
20	8.15	8.92	9.45	9.95	10.27	10.44	10.58	10.17	10.34	10.28	7.40	7.10
21	8.16	8.95	9.47	9.97	10.27	10.45	10.56	10.17	10.35	10.23	7.43	7.12
22	8.20	8.97	9.48	9.98	10.28	10.46	10.54	10.16	10.37	10.20	7.46	7.14
23	8.22	9.00	9.50	9.99	10.29	10.47	10.52	10.17	10.37	10.17	7.49	7.17
24	8.24	9.01	9.52	10.00	10.30	10.47	10.50	10.17	10.38	10.15	7.51	7.18
25	8.26	9.04	9.53	10.01	10.30	10.48	10.48	10.17	10.39	10.12	7.48	7.18
26	8.28	9.05	9.55	10.02	10.31	10.49	10.45	10.17	10.40	10.10	7.47	7.21
27	8.30	9.06	9.57	10.02	10.31	10.50	10.42	10.18	10.41	10.05	7.47	7.26
28	8.34	9.08	9.59	10.04	10.32	10.51	10.40	10.20	10.42	9.94	7.48	7.30
29	8.36	9.10	9.61	10.05	---	10.52	10.38	10.22	10.42	9.82	7.50	7.32
30	8.39	9.11	9.62	10.06	---	10.52	10.36	10.23	10.43	9.59	7.50	7.34
31	8.41	---	9.64	10.08	---	10.53	---	10.25	---	9.22	7.51	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644531147130801. Local number, FD00200307ACBA1007.**

LOCATION.--Lat 64°45'31", long 147°13'08", NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>, sec. 7, T.2 S., R.3 E., (Fairbanks D-1 SE) Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 60 feet from bunker door off gravel road near U.S. Army Corps of Engineers' facility south of Chena Lake Recreation Area entrance.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.6 ft, screen opening from 7.6 ft to 12.1 ft and 12.6 to 17.1 ft

INSTRUMENTATION.--Intermittent measurements by USGS personnel February 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 495.84 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.47 feet above land surface datum.

REMARKS.--Observation well drilled March 12, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-4. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; which may have affected ground water levels.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.46 ft below land-surface datum, August 9, 2003; lowest, 10.75 ft below land-surface datum, April 23-24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 6.46 ft below land-surface datum, August 9; lowest, 10.12 ft below land-surface datum, April 13-14.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.27	7.97	8.70	9.21	9.64	9.83	10.03	9.76	9.73	9.90	7.96	6.84
2	7.33	7.98	8.71	9.22	9.65	9.84	10.03	9.73	9.76	9.90	7.58	6.78
3	7.35	7.99	8.72	9.23	9.66	9.85	10.04	9.70	9.79	9.91	7.22	6.70
4	7.35	8.01	8.73	9.24	9.68	9.86	10.04	9.68	9.78	9.93	6.94	6.60
5	7.33	8.04	8.76	9.27	9.69	9.87	10.05	9.67	9.78	9.94	6.73	6.54
6	7.33	8.06	8.77	9.29	9.71	9.87	10.06	9.67	9.79	9.95	6.59	6.52
7	7.36	8.10	8.78	9.32	9.72	9.88	10.07	9.67	9.80	9.95	6.52	6.49
8	7.39	8.14	8.79	9.34	9.71	9.89	10.07	9.65	9.79	9.96	6.48	6.49
9	7.43	8.17	8.80	9.35	9.72	9.89	10.08	9.64	9.78	9.96	6.46	6.51
10	7.46	8.21	8.81	9.36	9.73	9.89	10.09	9.64	9.76	9.95	6.47	6.52
11	7.46	8.24	8.83	9.37	9.74	9.90	10.10	9.63	9.76	9.94	6.49	6.51
12	7.46	8.26	8.83	9.39	9.74	9.90	10.10	9.63	9.76	9.95	6.51	6.50
13	7.51	8.29	8.86	9.41	9.75	9.89	10.10	9.64	9.75	9.93	6.57	6.49
14	7.52	8.32	8.89	9.43	9.76	9.90	10.10	9.64	9.75	9.92	6.59	6.50
15	7.52	8.36	8.90	9.44	9.76	9.91	10.09	9.64	9.75	9.88	6.60	6.49
16	7.52	8.37	8.93	9.45	9.76	9.91	10.10	9.65	9.78	9.84	6.66	6.49
17	7.59	8.38	8.95	9.46	9.77	9.92	10.10	9.64	9.78	9.81	6.75	6.49
18	7.60	8.42	8.98	9.47	9.78	9.92	10.08	9.63	9.78	9.76	6.79	6.49
19	7.61	8.44	9.01	9.49	9.78	9.93	10.06	9.63	9.79	9.70	6.82	6.51
20	7.61	8.48	9.02	9.50	9.78	9.93	10.03	9.63	9.81	9.65	6.84	6.55
21	7.64	8.51	9.04	9.53	9.79	9.94	10.01	9.62	9.82	9.62	6.88	6.58
22	7.68	8.54	9.03	9.53	9.80	9.94	9.99	9.62	9.83	9.60	6.93	6.64
23	7.71	8.54	9.05	9.54	9.79	9.95	9.98	9.63	9.84	9.57	6.93	6.61
24	7.73	8.55	9.08	9.55	9.79	9.97	9.94	9.63	9.84	9.55	6.86	6.59
25	7.76	8.59	9.10	9.56	9.81	9.97	9.92	9.64	9.85	9.53	6.83	6.64
26	7.78	8.57	9.12	9.56	9.81	9.98	9.88	9.66	9.87	9.50	6.83	6.75
27	7.81	8.60	9.15	9.58	9.82	10.00	9.86	9.69	9.88	9.40	6.86	6.81
28	7.85	8.64	9.16	9.60	9.83	10.00	9.85	9.70	9.89	9.27	6.91	6.78
29	7.87	8.62	9.16	9.61	---	10.00	9.81	9.71	9.90	9.13	6.92	6.79
30	7.89	8.65	9.17	9.61	---	10.01	9.79	9.72	9.90	8.84	6.92	6.82
31	7.94	---	9.19	9.63	---	10.02	---	9.73	---	8.39	6.94	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644547147141801. Local number, FD00200306CCCC1002.**

LOCATION.--Lat 64°45'47", long 147°14'18", in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub>, sec. 6, T.2 S., R.3 E., (Fairbanks D-1 SE quad), Fairbanks Meridian, Hydrologic Unit 19040506, Well located 0.5 mi on Hurst Road from the intersection with Nelson Road, then 30 ft east of road, North Pole. Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in.PVC inner casing, depth 17.4 ft, screen opening from 12.4 ft to 16.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel August 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 493.64 ft above NGVD of 1929 (revised; levels by US Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey). Measuring point: top of inner casing 2.57 feet above land surface datum.

REMARKS.--Observation well drilled April 11, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-3. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; this may have affected ground water levels.

PERIOD OF RECORD.--August 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft below land-surface datum, September 18-19, 2003; lowest, 10.07 ft below land-surface datum, April 22-23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.82 ft below land-surface datum, September 18-19; lowest, 9.74 ft below land-surface datum, April 12-14, 16-17.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.62	7.31	8.21	8.81	9.27	9.47	9.67	9.33	9.30	9.48	8.23	6.54
2	6.66	7.34	8.23	8.82	9.28	9.48	9.67	9.30	9.34	9.49	8.12	6.50
3	6.66	7.36	8.24	8.83	9.29	9.48	9.68	9.26	9.36	9.51	7.96	6.43
4	6.66	7.37	8.25	8.84	9.30	9.48	9.68	9.24	9.36	9.53	7.82	6.35
5	6.62	7.40	8.28	8.87	9.32	9.50	9.69	9.23	9.35	9.54	7.69	6.28
6	6.62	7.43	8.30	8.88	9.34	9.50	9.69	9.22	9.36	9.55	7.57	6.20
7	6.64	7.47	8.31	8.92	9.35	9.51	9.69	9.23	9.38	9.55	7.48	6.14
8	6.67	7.51	8.33	8.94	9.34	9.52	9.69	9.21	9.38	9.56	7.37	6.10
9	6.72	7.55	8.34	8.95	9.36	9.52	9.70	9.20	9.36	9.56	7.28	6.06
10	6.75	7.59	8.36	8.97	9.36	9.52	9.71	9.20	9.34	9.56	7.20	6.03
11	6.74	7.62	8.38	8.98	9.37	9.52	9.72	9.20	9.34	9.54	7.13	6.00
12	6.75	7.65	8.39	9.00	9.38	9.52	9.73	9.20	9.34	9.55	7.08	5.96
13	6.80	7.68	8.40	9.02	9.39	9.51	9.73	9.20	9.34	9.53	7.02	5.93
14	6.82	7.72	8.44	9.04	9.39	9.51	9.73	9.20	9.34	9.52	6.97	5.91
15	6.82	7.76	8.45	9.05	9.39	9.53	9.71	9.21	9.35	9.51	6.93	5.87
16	6.81	7.79	8.47	9.07	9.40	9.53	9.72	9.22	9.38	9.47	6.92	5.84
17	6.89	7.80	8.50	9.08	9.41	9.54	9.72	9.21	9.37	9.44	6.90	5.83
18	6.90	7.84	8.53	9.09	9.42	9.56	9.72	9.21	9.37	9.38	6.87	5.82
19	6.91	7.87	8.56	9.11	9.42	9.58	9.70	9.20	9.39	9.31	6.85	5.82
20	6.92	7.91	8.58	9.12	9.42	9.58	9.67	9.20	9.41	9.25	6.84	5.83
21	6.95	7.94	8.59	9.15	9.43	9.59	9.63	9.19	9.42	9.22	6.83	5.85
22	7.00	7.98	8.59	9.15	9.44	9.60	9.61	9.19	9.43	9.19	6.82	5.89
23	7.01	8.00	8.61	9.16	9.43	9.60	9.59	9.19	9.44	9.16	6.80	5.86
24	7.04	8.02	8.65	9.17	9.43	9.61	9.55	9.19	9.44	9.13	6.76	5.84
25	7.07	8.06	8.67	9.18	9.45	9.62	9.54	9.21	9.45	9.11	6.72	5.88
26	7.09	8.06	8.69	9.19	9.44	9.63	9.49	9.23	9.46	9.08	6.69	5.98
27	7.14	8.09	8.72	9.20	9.45	9.64	9.46	9.26	9.48	9.03	6.68	6.03
28	7.20	8.13	8.74	9.22	9.46	9.65	9.44	9.27	9.49	8.82	6.66	6.03
29	7.21	8.13	8.75	9.23	---	9.64	9.39	9.28	9.49	8.64	6.63	6.03
30	7.24	8.16	8.77	9.24	---	9.65	9.36	9.29	9.49	8.49	6.62	6.05
31	7.28	---	8.78	9.25	---	9.66	---	9.29	---	8.34	6.61	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644603147131401. Local number, FD00200306DBCA1001.**

LOCATION.--Lat 64°46'03", long 147°13'14", in SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 06, T.2 S., R.3 E., (Fairbanks D-1 SE quad), Fairbanks Meridian,

Hydrologic Unit 19040506, Well located 0.6 mi west on turn off to Lake Park in Chena Lakes Recreation Area, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 19.3 ft., screen open from 14.3 to 18.8 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 490.44 ft above NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey.). Measuring point: top of inner casing 2.52 ft above land surface datum.

REMARKS.--Observation well drilled April 6, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-1. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 4.81 ft below land-surface datum, September 16-17, 2003; lowest 8.49 ft below land-surface datum, March 18-21, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured 4.81 ft below land-surface datum, September 16-17; lowest 8.38 ft below land-surface datum, April 11-12.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.71	6.63	7.23	7.70	8.02	8.15	8.31	7.96	7.86	8.20	6.78	5.48
2	5.87	6.64	7.24	7.71	8.03	8.16	8.31	7.91	7.89	8.21	6.58	5.45
3	5.90	6.67	7.25	7.72	8.04	8.17	8.32	7.87	7.90	8.23	6.36	5.38
4	5.91	6.68	7.26	7.73	8.05	8.17	8.32	7.85	7.91	8.26	6.16	5.29
5	5.93	6.71	7.27	7.76	8.07	8.19	8.32	7.84	7.91	8.27	5.99	5.20
6	5.94	6.73	7.28	7.76	8.08	8.18	8.33	7.83	7.92	8.29	5.84	5.12
7	5.97	6.77	7.29	7.79	8.08	8.19	8.33	7.82	7.93	8.30	5.72	5.05
8	6.00	6.80	7.30	7.80	8.08	8.20	8.33	7.81	7.93	8.31	5.61	5.01
9	6.04	6.83	7.31	7.81	8.08	8.19	8.34	7.79	7.91	8.32	5.53	4.98
10	6.06	6.86	7.32	7.82	8.09	8.20	8.35	7.80	7.89	8.31	5.47	4.96
11	6.07	6.89	7.34	7.83	8.09	8.21	8.36	7.78	7.90	8.30	5.43	4.91
12	6.09	6.90	7.34	7.84	8.09	8.20	8.36	7.77	7.91	8.31	5.41	4.89
13	6.13	6.93	7.37	7.86	8.09	8.19	8.36	7.76	7.92	8.30	5.40	4.87
14	6.15	6.96	7.39	7.87	8.09	8.19	8.33	7.75	7.93	8.29	5.39	4.85
15	6.17	6.99	7.41	7.89	8.09	8.21	8.32	7.75	7.94	8.24	5.39	4.82
16	6.17	7.00	7.43	7.90	8.09	8.21	8.32	7.75	7.97	8.21	5.42	4.81
17	6.22	7.01	7.45	7.90	8.10	8.22	8.31	7.73	7.98	8.18	5.46	4.81
18	6.23	7.04	7.48	7.90	8.11	8.23	8.30	7.73	7.98	8.12	5.47	4.82
19	6.25	7.05	7.51	7.92	8.11	8.24	8.27	7.72	8.00	8.05	5.50	4.83
20	6.26	7.08	7.52	7.92	8.12	8.24	8.25	7.72	8.04	7.99	5.52	4.87
21	6.29	7.10	7.53	7.95	8.12	8.25	8.23	7.72	8.06	7.95	5.56	4.90
22	6.33	7.12	7.53	7.94	8.13	8.25	8.22	7.72	8.08	7.92	5.60	4.94
23	6.35	7.13	7.55	7.95	8.12	8.26	8.21	7.74	8.08	7.89	5.62	4.96
24	6.37	7.14	7.58	7.96	8.12	8.27	8.19	7.74	8.09	7.87	5.58	4.96
25	6.40	7.16	7.60	7.97	8.14	8.27	8.18	7.76	8.11	7.85	5.55	5.01
26	6.44	7.14	7.62	7.97	8.14	8.28	8.14	7.78	8.13	7.80	5.55	5.10
27	6.47	7.17	7.64	7.98	8.14	8.29	8.12	7.81	8.15	7.66	5.55	5.14
28	6.51	7.19	7.65	7.99	8.14	8.29	8.09	7.81	8.17	7.54	5.56	5.16
29	6.53	7.17	7.65	8.00	---	8.28	8.05	7.83	8.18	7.42	5.55	5.18
30	6.56	7.20	7.67	8.01	---	8.29	8.00	7.84	8.19	7.20	5.55	5.22
31	6.60	---	7.68	8.02	---	8.31	---	7.85	---	6.98	5.55	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**644603147151801. Local number, FD00200201DBC1002.**

LOCATION.--Lat 64°46'03", long 147°15'18", in SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 1, T.2 S., R.2 E., (Fairbanks D-1 SW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located east side of Nelson Road approximately 2.3 mi from Laurance Road. West of Chena Lakes Flood Control Project and Recreational Area, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 19.8 ft, screen openings from 14.8 ft to 19.3 ft

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 493.04 ft above NGVD of 1929 (revised; levels by U.S. Army Corps of Engineers, adjusted to 1992 survey of benchmarks by U.S. Coast and Geodetic Survey.). Measuring point: top of inner casing 2.51 ft above land surface datum.

REMARKS.--Observation well drilled April 11, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-2. Flows on the Chena River were regulated by the U.S. Army Corps of Engineers at Moose Creek Dam from July 29 to August 2 and September 4-5; which may have affected ground water levels.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.49 ft below land-surface datum, September 24, 2003; lowest, 11.83 ft below land-surface datum, March 31, 2002

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.49 ft below land-surface datum, September 24; lowest, 11.63 ft below land-surface datum, April 10, and April 13-14.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.03	9.64	10.42	10.96	11.36	11.48	11.59	11.22	11.18	11.40	10.66	9.16
2	9.06	9.66	10.43	10.98	11.36	11.49	11.59	11.19	11.21	11.40	10.57	9.14
3	9.08	9.68	10.45	10.99	11.37	11.49	11.60	11.16	11.23	11.41	10.47	9.12
4	9.08	9.69	10.46	11.00	11.38	11.49	11.60	11.13	11.24	11.43	10.39	9.08
5	9.05	9.71	10.49	11.03	11.40	11.50	11.60	11.11	11.24	11.44	10.28	9.03
6	9.05	9.74	10.50	11.04	11.41	11.50	11.60	11.10	11.25	11.45	10.19	8.98
7	9.07	9.77	10.52	11.07	11.41	11.51	11.61	11.08	11.26	11.46	10.10	8.92
8	9.09	9.82	10.53	11.09	11.41	11.51	11.61	11.07	11.27	11.47	10.00	8.87
9	9.13	9.85	10.54	11.09	11.42	11.52	11.61	11.06	11.25	11.48	9.91	8.83
10	9.16	9.88	10.55	11.11	11.43	11.51	11.62	11.05	11.23	11.48	9.82	8.80
11	9.15	9.91	10.57	11.12	11.43	11.51	11.62	11.05	11.23	11.48	9.75	8.78
12	9.16	9.94	10.58	11.13	11.43	11.51	11.62	11.05	11.22	11.46	9.68	8.74
13	9.19	9.97	10.61	11.15	11.44	11.50	11.62	11.05	11.22	11.45	9.62	8.71
14	9.21	10.00	10.63	11.17	11.45	11.50	11.61	11.05	11.22	11.45	9.56	8.68
15	9.22	10.04	10.65	11.18	11.45	11.51	11.60	11.06	11.24	11.43	9.51	8.64
16	9.22	10.06	10.67	11.19	11.45	11.51	11.59	11.07	11.26	11.40	9.48	8.60
17	9.28	10.07	10.69	11.20	11.46	11.52	11.54	11.06	11.26	11.37	9.45	8.57
18	9.29	10.10	10.71	11.21	11.45	11.52	11.49	11.06	11.26	11.33	9.43	8.54
19	9.30	10.13	10.74	11.23	11.46	11.53	11.44	11.06	11.27	11.28	9.40	8.52
20	9.30	10.17	10.76	11.24	11.46	11.53	11.41	11.05	11.30	11.23	9.38	8.51
21	9.33	10.20	10.77	11.26	11.47	11.54	11.38	11.05	11.31	11.19	9.37	8.51
22	9.37	10.23	10.77	11.27	11.47	11.54	11.37	11.05	11.32	11.16	9.36	8.52
23	9.39	10.25	10.79	11.27	11.46	11.55	11.36	11.06	11.34	11.13	9.35	8.50
24	9.41	10.27	10.82	11.28	11.46	11.56	11.35	11.07	11.34	11.10	9.34	8.49
25	9.43	10.30	10.84	11.29	11.47	11.56	11.35	11.08	11.35	11.08	9.31	8.50
26	9.45	10.31	10.86	11.30	11.47	11.56	11.33	11.10	11.36	11.05	9.28	8.57
27	9.48	10.33	10.88	11.31	11.47	11.57	11.32	11.13	11.38	11.03	9.26	8.61
28	9.52	10.36	10.90	11.32	11.48	11.57	11.31	11.15	11.39	10.98	9.25	8.59
29	9.54	10.37	10.91	11.33	---	11.57	11.28	11.16	11.39	10.91	9.22	8.60
30	9.57	10.38	10.92	11.34	---	11.58	11.25	11.17	11.39	10.83	9.20	8.61
31	9.61	---	10.94	11.35	---	11.58	---	11.17	---	10.74	9.19	---

## YUKON ALASKA

## FAIRBANKS NORTH STAR BOROUGH—Continued

**645434147385101. Local number, FB00100113DDBC2001 50673.**

LOCATION.--Lat 64°54'34", long 147°38'51", in NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub>, sec. 13, T.1 S., R.1 W., (Fairbanks D-2 NE quad), Fairbanks Meridian, Hydrologic Unit, 19040506, in road right-of-way at 2.3 mi McGrath Road, off Farmers' Loop Road near Fairbanks.

Owner: U.S. Geological Survey.

AQUIFER.--Quartz-mica schist of pre-Jurassic age.

WELL CHARACTERISTICS.--Diameter 6-in., depth 100 ft, metal casing to 98.5 ft, perforated openings from 88.5 ft to 98.5 ft, and open hole to 100 ft.

INSTRUMENTATION.--Digital recorder, from October 1983 to June 1995. Electronic data logger from June 1995 to May 1996. Digital recorder, from May 1996 to September 1997. Electronic data logger from October 1997 to present.

DATUM.--Elevation of land-surface datum is 740 ft above sea level (determined from topographic map). Measuring point: top of casing 1.00 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Geological Survey, designated as McGrath Well, replaces old McGrath Estates well, 645429147383801.

PERIOD OF RECORD.--June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.13 ft below land-surface datum, October 28, 1983; lowest, 44.85 ft below land-surface datum, July 3, 1990.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 40.08 ft below land-surface datum, September 24; lowest, 42.58 ft below land-surface datum, October 03.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.41	42.23	41.65	41.15	41.12	41.01	41.07	40.95	41.28	41.13	40.87	40.53
2	42.42	42.12	41.62	41.15	41.15	41.10	40.97	40.94	41.25	41.11	40.84	40.48
3	42.52	41.96	41.56	41.06	41.17	41.08	40.97	40.87	41.18	41.10	40.79	40.49
4	42.47	41.87	41.56	41.03	41.15	41.04	40.95	40.82	41.12	41.14	40.80	40.55
5	42.37	41.85	41.53	41.04	41.16	41.08	40.95	40.83	41.05	41.19	40.74	40.52
6	42.35	41.82	41.48	41.16	41.21	41.08	40.94	40.86	41.05	41.18	40.72	40.52
7	42.42	41.94	41.39	41.26	41.22	41.05	41.01	40.92	41.03	41.13	40.72	40.42
8	42.43	41.88	41.37	41.35	41.12	41.06	40.96	40.91	41.06	41.13	40.73	40.38
9	42.49	41.91	41.38	41.16	41.11	41.03	40.94	40.78	40.99	41.18	40.74	40.39
10	42.47	41.96	41.37	41.14	41.10	41.04	40.98	40.75	40.95	41.21	40.67	40.41
11	42.34	41.81	41.36	41.14	41.05	40.99	41.05	40.83	40.96	41.12	40.63	40.41
12	42.31	41.76	41.24	41.26	41.04	40.91	41.08	40.79	40.98	41.09	40.53	40.44
13	42.36	41.78	41.25	41.31	41.06	40.83	41.03	40.79	40.97	41.13	40.57	40.49
14	42.44	41.80	41.44	41.26	41.13	40.80	41.05	40.80	41.02	41.10	40.62	40.50
15	42.30	41.79	41.40	41.23	41.09	40.87	40.88	40.84	41.04	41.05	40.57	40.47
16	42.25	41.63	41.48	41.23	41.06	40.92	40.88	40.92	41.17	40.99	40.58	40.33
17	42.30	41.57	41.46	41.14	41.11	40.99	40.96	41.00	41.23	40.98	40.71	40.32
18	42.26	41.67	41.49	41.10	41.08	40.97	40.98	40.97	41.16	41.05	40.79	40.27
19	42.20	41.69	41.52	41.15	40.99	40.96	41.00	40.96	41.13	41.10	40.73	40.27
20	42.17	41.72	41.39	41.18	40.98	40.91	41.03	40.91	41.19	41.05	40.70	40.33
21	42.19	41.73	41.33	41.28	41.01	40.91	40.88	40.84	41.20	41.07	40.69	40.38
22	42.33	41.74	41.15	41.11	41.04	40.94	40.86	40.81	41.24	41.14	40.72	40.43
23	42.25	41.61	41.13	41.11	40.92	41.01	40.88	40.82	41.20	41.05	40.68	40.23
24	42.19	41.61	41.20	41.09	40.88	41.07	40.99	40.83	41.19	41.05	40.72	40.08
25	42.18	41.63	41.24	41.09	40.96	41.02	40.97	40.85	41.15	40.99	40.71	40.09
26	42.18	41.45	41.23	41.09	40.98	41.04	41.01	41.10	41.19	40.92	40.61	40.21
27	42.22	41.48	41.29	41.15	40.97	41.09	40.96	41.19	41.22	40.87	40.61	40.40
28	42.28	41.64	41.19	41.15	41.01	41.07	41.02	41.09	41.30	40.91	40.65	40.33
29	42.17	41.49	41.13	41.17	---	40.98	41.00	41.08	41.20	40.93	40.62	40.24
30	42.17	41.49	41.14	41.15	---	41.00	40.99	41.15	41.22	40.90	40.56	40.22
31	42.21	---	41.13	41.15	---	41.04	---	41.29	---	40.89	40.59	---

## YUKON ALASKA

## ANAKTUVUK PASS

**680838151434901. Local number, UB01500218CCDC1001.**

LOCATION.--Lat 68°8'36" N, long 151°43'59" W; in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec. 17, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 180 feet on right side of gravel road vering north off Main Steet just northeast of Contact Creek bridge in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in.steel casing, depth 138.7 ft., screened 130.7 to 138.7 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2122.08 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on north-side top of 2-in threaded-plug collar on top of steel casing, 2.81 ft. above land-surface datum.

REMARKS.--Observation well drilled June 23, 1994 by Tester Drilling. U.S.Geological Survey designated well as Observation Well 1 near Anaktuvuk Pass, Alaska. Well is 620 ft. from City Supply Well. One water-quality sample collected on September 10,2003.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.88 ft. below land-surface datum, July 14, 2003; lowest measured, 26.37 ft. below land-surface datum, June 18, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	TIME	WATER LEVEL	DATE	TIME	WATER LEVEL
JUN 18		26.37	JUL 14		16.90
JUN 19	26.12		JUL 17	12:21	17.08
JUN 20		25.83	JUL 17	12:44	17.06
			AUG 13		17.14

**680832151434301. Local number, UC01500217BBDA1001.**

LOCATION.--Lat 68°8'31" N, long 151°43'53" W; in NW<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 17, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 56 feet northeast of Mekiana Road and Summer Street intersection in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in. PVC casing, depth 43 ft., perforated from 0 to 43 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2114.43 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on north-side top of PVC casing, 2.15 ft. above land-surface datum.

REMARKS.--Observation well drilled June 5, 1994 by Tester Drilling. U.S.Geological Survey designated well as Observation Well 2 near Anaktuvuk Pass, Alaska. Well-water levels influenced by surface water. Well is 60 south of Contact Creek. One water-quality sample collected on September 10,2003.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.39 ft. below land-surface datum, July 15, 2003; lowest measured, 18.56 ft. below land-surface datum, June 18, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	TIME	WATER LEVEL	DATE	TIME	WATER LEVEL
JUN 18		18.56	JUL 18		12.76
JUL 15	5:25	12.64	AUG 13		12.52
JUL 15	15:34	12.39	AUG 15		12.56

## YUKON ALASKA

## ANAKTUVUK PASS—Continued

**680809151443101. Local number, UA01500219ABAB1001.**

LOCATION.--Lat 68°8'9" N, long 151°44'31" W; in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 19, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 160 ft. east-southeast of fueling station and 260 ft. east-northeast of treatment lagoon on Access Road in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in. PVC casing, depth 40 ft., perforated from 0 to 40 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2079.61 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on northeast-side top of PVC casing, 3.95 ft. above land-surface datum.

REMARKS.--Observation well drilled June 3, 1994 by Tester Drilling. U.S.Geological Survey designated well as Observation Well 3 near Anaktuvuk Pass, Alaska.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.78 ft. below land-surface datum, June 19 and July 15, 2003; lowest measured, 17.71 ft. below land-surface datum, July 18, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 19	10.78	AUG 13	16.12
JUL 15	10.78	AUG 15	15.52
JUL 18	17.71		

Note: Ice at depth of 15.50 ft. on June 19 and July 15. Well thawed on July 17.

**680805151443001. Local number, UA01500219ABCC1001.**

LOCATION.--Lat 68°8'4" N, long 151°44'40" W; in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 19, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 240 ft. south-southwest of treatment lagoon on Access Road in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in. PVC casing, depth 24 ft., perforated from 0 to 24 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2072.89 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on north-northeast-side top of PVC casing, 1.73 ft. above land-surface datum.

REMARKS.--Observation well drilled June 3, 1994 by Tester Drilling. U.S.Geological Survey designated well as Observation Well 4 near Anaktuvuk Pass, Alaska. One water-quality sample collected on September 10, 2003.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.30 ft. below land-surface datum, June 19, 2003; lowest measured, 14.12 ft. below land-surface datum, July 18, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 19	7.30	AUG 13	12.77
JUL 15	No Water	AUG 15	12.32
JUL 18	14.12		

\* Note: Ice at depth of 9.30 ft. on June 19 and 9.44 ft. on July 15. Well thawed on July 17.



## GROUND-WATER LEVEL DATA

## YUKON ALASKA

## ANAKTUVUK PASS—Continued

**680750151450501. Local number, UA01500219CBDC1001.**

LOCATION.--Lat 68°7'50" N, long 151°45'5" W; in NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 19, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 1050 ft. south-southwest on old-access road parallel to runway off of Access Road in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in. PVC casing, depth 24 ft., perforated from 0 to 24 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2053.80 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on north-northeast-side top of PVC casing, 0.18 ft. above land-surface datum.

REMARKS.--Observation well drilled June 3, 1994 by Tester Drilling. U.S. Geological Survey designated well as Observation Well 5 near Anaktuvuk Pass, Alaska.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.97 ft. below land-surface datum, August 13, 2003; lowest measured, 4.46 ft. below land-surface datum, June 19, 2003.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 19	4.46	AUG 13	3.97

**680737151454701. Local number, UC01500219ABCC1001.**

LOCATION.--Lat 68°7'38" N, long 151°45'47" W; in NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 19, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 260 ft. north-northeast off Access Road 3910 ft. south-southwest of treatment lagoon in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in. PVC casing, depth 15 ft., perforated from 0 to 15 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2031.35 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on southwest-side top of PVC casing, 3.55 ft. above land-surface datum.

REMARKS.--Observation well drilled June 4, 1994 by Tester Drilling. U.S. Geological Survey designated well as Observation Well 6 near Anaktuvuk Pass, Alaska.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.69 ft. below land-surface datum, August 15, 2003; lowest measured, 1.78 ft. below land-surface datum, July 18, 2003.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 19	No Water		
JUL 18	1.78	AUG 15	1.69

## YUKON ALASKA

## ANAKTUVUK PASS—Continued

**680735151453901. Local number, UC01500219ACAB1001.**

LOCATION.--Lat 68°7'36" N, long 151°45'39" W; in SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec. 19, T.15 S., R. 2 E., (Chandler Lake A-3) Umiat Meridian, Hydrologic Unit 19040601. Well located 120 ft. east-southeast off Access Road 3910 ft. south-southwest of treatment lagoon in Anaktuvuk Pass, AK.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in. PVC casing, depth 20 ft., perforated from 0 to 20 ft.

INSTRUMENTATION.--Intermittent measurements made by U.S. Geological Survey using an electric tape.

DATUM.--Elevation of land-surface is 2031.51 ft. above mean sea level (NAVD88). Horizontal coordinates are NAD83. (Elevation and horizontal coordinates determined using Survey-Grade Global Positioning System Static and Real-Time-Kinematic surveys). Measuring point: mark on southwest-side top of PVC casing, 5.92 ft. above land-surface datum.

REMARKS.--Observation well drilled June 5, 1994 by Tester Drilling. U.S.Geological Survey designated well as Observation Well 7 near Anaktuvuk Pass, Alaska.

PERIOD OF RECORD.--June to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.01 ft. below land-surface datum, June 19, 2003; lowest measured, 1.21 ft. below land-surface datum, July 18, 2003.

## DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 19	1.01	JUL 18	1.21
JUL 17	1.10	AUG 15	1.13