

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH

644547147141801. Local number, FD00200306CCCC1002.

LOCATION.--Lat 64°45'47", Long 147°14'18", in SW¹/₄ SW¹/₄ SW¹/₄ 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 2.61 ft above land surface datum as of June 2nd, 2005.

REMARKS.--Observation well drilled April 11, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-3.

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, 2002; lowest, 10.15 ft below land-surface datum, April 10-13 and 23, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.74 ft below land-surface datum, July 22-27; lowest, 10.15 ft below land-surface datum, April 10-13 and 23.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.29	9.52	9.71	9.90	9.99	10.08	10.13	9.27	8.65	8.22	7.81	8.36
2	9.28	9.52	9.72	9.88	10.00	10.08	10.13	9.16	8.64	8.20	7.83	8.37
3	9.28	9.50	9.73	9.90	10.00	10.09	10.13	9.10	8.63	8.18	7.84	8.37
4	9.29	9.54	9.74	9.92	10.01	10.08	10.13	9.11	8.61	8.16	7.85	8.39
5	9.29	9.55	9.74	9.92	10.01	10.09	10.13	9.11	8.59	8.13	7.87	8.40
6	9.30	9.56	9.75	9.93	10.00	10.09	10.13	9.08	8.57	8.10	7.90	8.39
7	9.32	9.57	9.75	9.93	10.00	10.09	10.14	9.06	8.55	8.07	7.93	8.42
8	9.32	9.57	9.75	9.93	10.00	10.09	10.14	9.04	8.53	8.02	7.96	8.45
9	9.32	9.58	9.76	9.93	10.01	10.10	10.14	9.02	8.52	7.98	7.97	8.45
10	9.33	9.59	9.76	9.94	10.02	10.09	10.14	9.00	8.51	7.94	7.99	8.47
11	9.33	9.61	9.77	9.94	10.02	10.09	10.14	8.99	8.51	7.90	8.01	8.48
12	9.35	9.62	9.78	9.94	10.03	10.11	10.15	8.97	8.51	7.87	8.03	8.49
13	9.36	9.62	9.79	9.95	10.03	10.12	10.14	8.96	8.51	7.85	8.04	8.50
14	9.37	9.62	9.80	9.95	10.03	10.12	10.14	8.94	8.49	7.83	8.05	8.51
15	9.38	9.62	9.80	9.95	10.04	10.11	10.14	8.93	8.49	7.81	8.07	8.51
16	9.39	9.63	9.81	9.95	10.05	10.11	10.12	8.92	8.49	7.80	8.09	8.52
17	9.40	9.64	9.82	9.95	10.05	10.13	10.12	8.91	8.48	7.80	8.11	8.53
18	9.40	9.64	9.82	9.96	10.05	10.13	10.12	8.87	8.47	7.79	8.12	8.53
19	9.40	9.65	9.83	9.96	10.06	10.13	10.13	8.84	8.47	7.77	8.14	8.54
20	9.42	9.66	9.84	9.96	10.06	10.11	10.13	8.81	8.44	7.77	8.16	8.56
21	9.42	9.66	9.84	9.95	10.06	10.12	10.13	8.78	8.38	7.75	8.17	8.57
22	9.43	9.67	9.83	9.95	10.06	10.12	10.12	8.76	8.35	7.74	8.20	8.55
23	9.44	9.67	9.84	9.96	10.07	10.13	10.11	8.74	8.32	7.74	8.20	8.54
24	9.44	9.67	9.86	9.97	10.07	10.12	10.05	8.73	8.29	7.74	8.22	8.53
25	9.46	9.68	9.87	9.97	10.07	10.12	9.95	8.70	8.27	7.74	8.25	8.57
26	9.46	9.69	9.87	9.98	10.07	10.11	9.81	8.67	8.26	7.74	8.26	8.56
27	9.47	9.69	9.87	9.98	10.08	10.10	9.70	8.66	8.25	7.74	8.29	8.52
28	9.47	9.70	9.88	9.98	10.08	10.11	9.60	8.65	8.24	7.76	8.29	8.51
29	9.48	9.70	9.89	9.99	---	10.12	9.51	8.65	8.24	7.77	8.30	8.52
30	9.49	9.71	9.90	9.99	---	10.13	9.39	8.65	8.23	7.78	8.32	8.51
31	9.51	---	9.90	9.99	---	10.13	---	8.65	---	7.80	8.34	---