

GROUND-WATER LEVEL DATA

411

YUKON ALASKA
FAIRBANKS NORTH STAR BOROUGH**644531147130801. Local number, FD00200307ACBA1007.**

LOCATION.--Lat 64°45'31", Long 147°13'08", in NW¹/₄ SW¹/₄ NE¹/₄ 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 2.49 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.

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, 6.86 ft below land-surface datum, October 1; lowest, 10.28 ft below land-surface datum, April 10-12.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.86	7.74	8.47	9.13	9.58	9.95	10.22	9.71	8.76	8.76	9.24	9.54
2	6.88	7.76	8.49	9.15	9.60	9.95	10.20	9.70	8.76	8.77	9.25	9.54
3	6.87	7.78	8.52	9.18	9.61	9.96	10.21	9.68	8.74	8.80	9.25	9.55
4	6.93	7.80	8.55	9.19	9.63	9.97	10.22	9.65	8.72	8.82	9.25	9.57
5	6.96	7.83	8.56	9.21	9.64	9.97	10.23	9.63	8.71	8.83	9.26	9.58
6	6.97	7.85	8.58	9.21	9.65	9.98	10.24	9.60	8.69	8.85	9.27	9.59
7	6.99	7.88	8.60	9.21	9.67	9.99	10.25	9.56	8.67	8.88	9.29	9.60
8	7.03	7.86	8.64	9.21	9.68	10.00	10.26	9.50	8.66	8.90	9.29	9.61
9	7.06	7.91	8.65	9.23	9.70	10.01	10.26	9.44	8.63	8.92	9.31	9.61
10	7.09	7.93	8.67	9.24	9.70	10.02	10.27	9.39	8.59	8.92	9.32	9.61
11	7.14	7.96	8.68	9.28	9.73	10.04	10.28	9.33	8.58	8.95	9.32	9.62
12	7.17	7.96	8.69	9.29	9.75	10.05	10.25	9.27	8.57	8.97	9.33	9.62
13	7.20	8.02	8.72	9.31	9.76	10.06	10.24	9.22	8.57	8.98	9.34	9.64
14	7.23	8.05	8.74	9.32	9.77	10.06	10.23	9.18	8.57	9.01	9.36	9.65
15	7.23	8.09	8.76	9.33	9.79	10.07	10.19	9.15	8.57	9.04	9.37	9.65
16	7.25	8.11	8.78	9.36	9.80	10.08	10.15	9.12	8.57	9.06	9.37	9.66
17	7.26	8.14	8.82	9.37	9.80	10.10	10.10	9.10	8.57	9.07	9.38	9.68
18	7.30	8.19	8.84	9.38	9.81	10.11	10.07	9.08	8.58	9.09	9.40	9.68
19	7.32	8.21	8.84	9.40	9.82	10.12	10.03	9.04	8.57	9.10	9.40	9.69
20	7.37	8.23	8.86	9.41	9.82	10.14	10.01	9.01	8.58	9.12	9.41	9.69
21	7.40	8.25	8.88	9.43	9.83	10.14	9.96	8.98	8.59	9.14	9.43	9.69
22	7.43	8.27	8.88	9.44	9.84	10.14	9.92	8.95	8.60	9.16	9.43	9.70
23	7.44	8.28	8.93	9.47	9.86	10.14	9.90	8.93	8.61	9.17	9.44	9.70
24	7.49	8.28	8.96	9.49	9.87	10.15	9.87	8.89	8.64	9.17	9.44	9.71
25	7.50	8.34	8.98	9.50	9.89	10.16	9.84	8.88	8.66	9.18	9.46	9.72
26	7.55	8.38	9.02	9.51	9.90	10.17	9.81	8.87	8.69	9.20	9.47	9.71
27	7.59	8.35	9.03	9.52	9.91	10.17	9.79	8.84	8.71	9.20	9.48	9.74
28	7.63	8.37	9.03	9.53	9.92	10.17	9.78	8.83	8.73	9.21	9.50	9.75
29	7.67	8.43	9.03	9.54	9.94	10.19	9.76	8.81	8.74	9.23	9.51	9.76
30	7.68	8.45	9.06	9.56	---	10.19	9.73	8.80	8.75	9.24	9.52	9.77
31	7.71	---	9.09	9.57	---	10.21	---	8.78	---	9.25	9.53	---