

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH

644603147151801. Local number, FD00200201DBCB1002.

LOCATION.--Lat 64°46'03", Long 147°15'18", in SW¹/₄ NW¹/₄ SE¹/₄ 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 2.68 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.

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 water level measured, 11.92 ft below land surface, February 14-28, March 2-3, 5-6, 11-14, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 9.83 ft below land surface, July 25, 2005; lowest water level measured, 11.92 ft below land surface, February 14-28, March 2-3, 5-6, 11-14.

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	11.34	11.52	11.67	11.82	11.87	11.91	11.87	11.08	10.44	10.20	9.92	10.45
2	11.33	11.52	11.68	11.79	11.87	11.91	11.87	11.04	10.43	10.20	9.94	10.46
3	11.33	11.51	11.69	11.82	11.88	11.91	11.86	11.00	10.44	10.19	9.96	10.46
4	11.33	11.54	11.70	11.83	11.88	11.90	11.87	10.97	10.43	10.16	9.97	10.47
5	11.34	11.55	11.70	11.84	11.88	11.90	11.87	10.94	10.41	10.15	10.00	10.48
6	11.34	11.56	11.70	11.84	11.87	11.91	11.86	10.91	10.40	10.13	10.03	10.48
7	11.35	11.56	11.70	11.84	11.88	11.90	11.87	10.88	10.38	10.12	10.06	10.49
8	11.36	11.57	11.71	11.84	11.88	11.89	11.87	10.86	10.37	10.10	10.08	10.52
9	11.36	11.58	11.71	11.84	11.89	11.90	11.87	10.83	10.36	10.07	10.09	10.52
10	11.37	11.58	11.72	11.84	11.89	11.89	11.87	10.80	10.35	10.05	10.10	10.53
11	11.38	11.59	11.72	11.85	11.90	11.88	11.87	10.78	10.35	10.03	10.12	10.54
12	11.38	11.60	11.73	11.85	11.90	11.91	11.87	10.75	10.36	10.00	10.15	10.54
13	11.39	11.60	11.74	11.85	11.90	11.91	11.86	10.73	10.35	9.98	10.16	10.56
14	11.40	11.60	11.74	11.85	11.90	11.91	11.86	10.71	10.35	9.95	10.17	10.57
15	11.41	11.60	11.75	11.85	11.90	11.90	11.84	10.69	10.35	9.93	10.19	10.57
16	11.41	11.61	11.75	11.85	11.91	11.90	11.83	10.68	10.36	9.91	10.20	10.57
17	11.42	11.62	11.76	11.85	11.91	11.90	11.82	10.66	10.36	9.90	10.22	10.58
18	11.42	11.63	11.76	11.84	11.91	11.91	11.82	10.64	10.35	9.89	10.24	10.58
19	11.43	11.63	11.77	11.84	11.91	11.90	11.81	10.62	10.36	9.88	10.25	10.59
20	11.44	11.64	11.78	11.85	11.91	11.89	11.81	10.60	10.35	9.87	10.27	10.60
21	11.44	11.64	11.77	11.84	11.91	11.88	11.81	10.57	10.33	9.86	10.28	10.61
22	11.45	11.65	11.76	11.84	11.91	11.88	11.80	10.55	10.31	9.85	10.31	10.60
23	11.45	11.65	11.77	11.85	11.91	11.89	11.76	10.53	10.29	9.84	10.31	10.59
24	11.46	11.64	11.79	11.86	11.91	11.89	11.68	10.52	10.27	9.84	10.32	10.58
25	11.47	11.65	11.79	11.86	11.91	11.88	11.57	10.49	10.25	9.83	10.35	10.61
26	11.47	11.65	11.79	11.86	11.91	11.87	11.44	10.47	10.24	9.84	10.36	10.60
27	11.48	11.66	11.80	11.86	11.91	11.86	11.33	10.46	10.23	9.84	10.39	10.55
28	11.48	11.66	11.81	11.87	11.91	11.86	11.24	10.45	10.22	9.85	10.39	10.54
29	11.49	11.67	11.81	11.87	---	11.87	11.18	10.44	10.21	9.86	10.40	10.54
30	11.50	11.67	11.81	11.87	---	11.88	11.12	10.44	10.20	9.88	10.41	10.52
31	11.51	---	11.82	11.87	---	11.87	---	10.44	---	9.90	10.43	---