

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH

645434147385101. Local number, FB00100113DDBC2001 50673.

LOCATION.--Lat 64°54'34", long 147°38'51", in NW¹/₄ SE¹/₄ SE¹/₄ 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, 40.67 ft below land-surface datum, November 3; lowest, 41.59 ft below land-surface datum, March 13-15.

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	41.00	40.95	40.83	41.00	41.19	41.38	41.39	41.24	41.03	40.93	40.92	41.10
2	41.11	40.87	40.83	40.99	41.21	41.37	41.36	41.20	41.07	40.89	40.93	41.07
3	40.99	40.67	40.86	40.93	41.24	41.37	41.41	41.11	41.03	40.87	40.92	41.06
4	40.99	40.70	41.01	40.93	41.25	41.33	41.45	41.07	41.01	40.88	40.91	41.08
5	40.97	40.89	41.04	41.03	41.24	41.30	41.44	41.07	40.98	40.89	40.91	41.10
6	40.93	41.00	40.95	41.15	41.14	41.34	41.41	41.09	40.90	40.84	40.95	41.09
7	40.93	40.96	40.89	41.14	41.08	41.37	41.38	41.10	40.89	40.85	40.99	41.09
8	40.99	40.98	40.89	41.08	41.00	41.27	41.38	41.13	40.91	40.85	41.01	41.14
9	40.99	41.03	40.89	41.08	41.01	41.27	41.37	41.18	40.92	40.81	41.02	41.10
10	40.95	40.92	40.91	41.13	41.05	41.28	41.40	41.10	40.92	40.80	41.01	41.09
11	40.97	40.92	40.99	41.16	41.13	41.28	41.45	41.09	40.93	40.80	41.01	41.15
12	40.94	41.02	41.02	41.16	41.24	41.36	41.53	41.09	40.98	40.85	41.05	41.11
13	40.93	40.95	41.02	41.15	41.27	41.51	41.44	41.09	41.01	40.87	41.02	41.11
14	41.02	40.93	41.01	41.08	41.27	41.59	41.42	41.07	41.01	40.89	41.02	41.14
15	41.07	40.91	40.96	41.04	41.26	41.32	41.41	41.10	41.01	40.88	41.06	41.06
16	41.03	40.94	40.92	41.07	41.30	41.30	41.36	41.11	41.02	40.86	41.08	41.03
17	41.03	41.01	40.92	41.12	41.28	41.35	41.32	41.08	41.06	40.86	41.05	41.00
18	41.01	40.92	40.90	41.09	41.21	41.48	41.35	41.05	40.98	40.88	41.01	41.01
19	40.96	40.92	40.90	41.06	41.20	41.51	41.38	41.04	40.95	40.87	41.03	41.03
20	40.98	40.92	41.06	41.05	41.25	41.47	41.37	41.06	40.96	40.87	41.00	41.11
21	40.92	40.96	41.09	41.01	41.26	41.45	41.38	41.07	40.94	40.87	40.99	41.21
22	40.91	41.00	40.75	40.97	41.21	41.46	41.39	41.09	40.89	40.83	41.02	41.08
23	40.83	40.86	40.75	41.01	41.21	41.46	41.39	41.09	40.89	40.83	41.03	41.08
24	40.80	40.78	40.91	41.12	41.26	41.41	41.44	41.08	40.92	40.84	41.02	40.98
25	40.87	40.79	41.14	41.19	41.29	41.31	41.38	41.08	40.94	40.88	41.04	41.01
26	40.85	40.88	41.08	41.19	41.30	41.27	41.35	40.91	40.92	40.91	41.07	41.11
27	40.81	40.92	40.95	41.11	41.32	41.23	41.35	40.88	40.92	40.87	41.12	40.98
28	40.80	40.89	40.97	41.09	41.36	41.25	41.31	40.92	40.91	40.88	41.06	40.93
29	40.78	40.94	41.08	41.09	---	41.28	41.28	40.93	40.92	40.88	41.02	40.94
30	40.79	41.02	41.08	41.13	---	41.37	41.24	40.95	40.95	40.90	41.02	41.01
31	40.91	---	41.02	41.14	---	41.41	---	40.99	---	40.90	41.07	---