

YUKON ALASKA
FAIRBANKS NORTH STAR BOROUGH

644331147183901. Local number, FD00200222DABD1006.

LOCATION.--Lat 64°43'31", Long 147°18'39", in NW¹/₄ NE¹/₄ SE¹/₄ 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 2.67 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.

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, 7.25 ft below land-surface datum, April 4, 2004.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 4.55 ft below land-surface datum, July 1; lowest, 7.25 ft below land-surface datum, April 4.

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 | 5.87 | 6.75 | 6.20 | 6.81 | 7.01 | 7.02 | 7.23 | 6.74 | 5.24 | 4.55 | 4.85 | 5.38 |
| 2 | 5.75 | 6.79 | 6.20 | 6.82 | 7.03 | 7.01 | 7.23 | 6.71 | 5.21 | 4.58 | 4.87 | 5.40 |
| 3 | 5.65 | 6.82 | 6.23 | 6.84 | 7.04 | 7.01 | 7.23 | 6.64 | 5.16 | 4.66 | 4.92 | 5.43 |
| 4 | 5.60 | 6.85 | 6.28 | 6.85 | 7.05 | 7.02 | 7.24 | 6.59 | 5.10 | 4.68 | 4.98 | 5.49 |
| 5 | 5.55 | 6.89 | 6.33 | 6.84 | 7.05 | 7.02 | 7.23 | 6.56 | 5.10 | 4.71 | 5.04 | 5.54 |
| 6 | 5.55 | 6.92 | 6.36 | 6.84 | 7.06 | 7.03 | 7.21 | 6.46 | 5.15 | 4.68 | 5.08 | 5.60 |
| 7 | 5.59 | 6.95 | 6.39 | 6.83 | 7.07 | 7.04 | 7.18 | 6.23 | 5.22 | 4.68 | 5.11 | 5.66 |
| 8 | 5.66 | 6.99 | 6.44 | 6.83 | 7.06 | 7.07 | 7.13 | 5.99 | 5.23 | 4.74 | 5.11 | 5.72 |
| 9 | 5.70 | 7.01 | 6.47 | 6.85 | 7.08 | 7.08 | 7.07 | 5.74 | 5.08 | 4.77 | 5.13 | 5.78 |
| 10 | 5.74 | 7.05 | 6.49 | 6.86 | 7.06 | 7.09 | 6.99 | 5.63 | 5.02 | 4.79 | 5.10 | 5.84 |
| 11 | 5.79 | 7.09 | 6.50 | 6.88 | 7.07 | 7.10 | 6.89 | 5.59 | 4.98 | 4.83 | 5.08 | 5.91 |
| 12 | 5.83 | 7.12 | 6.52 | 6.89 | 7.05 | 7.10 | 6.80 | 5.58 | 4.96 | 4.89 | 5.07 | 5.98 |
| 13 | 5.88 | 7.16 | 6.53 | 6.88 | 7.03 | 7.10 | 6.72 | 5.50 | 4.96 | 4.92 | 5.07 | 6.05 |
| 14 | 5.92 | 6.92 | 6.54 | 6.88 | 7.02 | 7.10 | 6.61 | 5.45 | 4.99 | 4.91 | 5.09 | 6.11 |
| 15 | 5.96 | 6.76 | 6.54 | 6.88 | 7.02 | 7.11 | 6.53 | 5.44 | 5.05 | 4.87 | 5.08 | 6.13 |
| 16 | 6.00 | 6.65 | 6.56 | 6.89 | 7.02 | 7.12 | 6.46 | 5.46 | 5.03 | 4.85 | 5.07 | 6.17 |
| 17 | 6.05 | 6.59 | 6.60 | 6.90 | 7.01 | 7.13 | 6.39 | 5.46 | 5.02 | 4.86 | 5.04 | 6.23 |
| 18 | 6.12 | 6.52 | 6.61 | 6.90 | 7.00 | 7.12 | 6.34 | 5.45 | 5.02 | 4.84 | 4.98 | 6.28 |
| 19 | 6.18 | 6.47 | 6.63 | 6.91 | 6.99 | 7.13 | 6.29 | 5.45 | 5.00 | 4.81 | 4.95 | 6.32 |
| 20 | 6.25 | 6.41 | 6.65 | 6.92 | 7.00 | 7.14 | 6.24 | 5.48 | 4.98 | 4.83 | 4.96 | 6.37 |
| 21 | 6.32 | 6.34 | 6.67 | 6.95 | 6.99 | 7.16 | 6.23 | 5.52 | 4.94 | 4.84 | 4.95 | 6.42 |
| 22 | 6.38 | 6.28 | 6.67 | 6.95 | 7.00 | 7.15 | 6.25 | 5.56 | 4.89 | 4.81 | 4.94 | 6.44 |
| 23 | 6.44 | 6.20 | 6.70 | 6.96 | 7.00 | 7.14 | 6.31 | 5.59 | 4.83 | 4.74 | 4.95 | 6.48 |
| 24 | 6.50 | 6.16 | 6.72 | 6.96 | 7.00 | 7.14 | 6.36 | 5.58 | 4.79 | 4.74 | 4.95 | 6.52 |
| 25 | 6.54 | 6.13 | 6.73 | 6.96 | 7.00 | 7.14 | 6.45 | 5.54 | 4.74 | 4.80 | 4.99 | 6.56 |
| 26 | 6.57 | 6.11 | 6.76 | 6.96 | 7.00 | 7.15 | 6.51 | 5.46 | 4.69 | 4.86 | 5.05 | 6.60 |
| 27 | 6.59 | 6.10 | 6.78 | 6.96 | 7.00 | 7.17 | 6.56 | 5.37 | 4.65 | 4.87 | 5.14 | 6.64 |
| 28 | 6.61 | 6.11 | 6.79 | 6.97 | 7.01 | 7.18 | 6.61 | 5.34 | 4.63 | 4.89 | 5.21 | 6.68 |
| 29 | 6.65 | 6.17 | 6.79 | 6.98 | 7.01 | 7.18 | 6.66 | 5.31 | 4.60 | 4.89 | 5.25 | 6.71 |
| 30 | 6.68 | 6.19 | 6.81 | 6.99 | --- | 7.19 | 6.70 | 5.28 | 4.56 | 4.90 | 5.28 | 6.74 |
| 31 | 6.72 | --- | 6.82 | 7.00 | --- | 7.20 | --- | 5.25 | --- | 4.93 | 5.33 | --- |