

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH

644528147131201. Local number, FD00200307ACBD1001 51660.

LOCATION.--Lat 64°45'28", long 147°13'12", NW¹/₄ SW¹/₄ NE¹/₄, sec. 7, T.2 S., R.3 E., (Fairbanks D-1), Fairbanks Meridian, Hydrologic Unit 19040506, inside Corps of Engineers Chena Lakes Project fenced compound, 120 ft west of headquarters building and 2 mi northeast of the intersection of Laurence and Nelson Roads. Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4-in., depth 31 ft, screened from 28.5 ft to 31 ft.

INSTRUMENTATION.--Continuous strip-chart recorder from June 1976 to May 1980. Digital recorder--1-hour punch interval, from October 1985 to April 1995. Electronic data logger from April 1995 to present.

DATUM.--Elevation of land-surface datum is 494.7 ft above sea level (determined by levels survey). Measuring point: top of casing 2.91 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers, designated as P-252. Water levels from water years 1986 through 1990 were not previously published and are available from NWIS.

PERIOD OF RECORD.--June 1976 to May 1980 and October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.85 ft below land-surface datum, June 8-9, 1992; lowest, 13.20 ft below land-surface datum September 15, 1976.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 9.05 ft below land-surface datum, July 25-29; lowest, 11.27 ft below land-surface datum, April 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 | 10.28 | 10.55 | 10.77 | 10.95 | 11.05 | 11.17 | 11.24 | 10.66 | 9.84 | 9.47 | 9.07 | 9.51 |
| 2 | 10.29 | 10.56 | 10.77 | 10.95 | 11.06 | 11.17 | 11.24 | 10.60 | 9.84 | 9.45 | 9.08 | 9.53 |
| 3 | 10.30 | 10.56 | 10.78 | 10.96 | 11.06 | 11.17 | 11.24 | 10.54 | 9.83 | 9.44 | 9.09 | 9.54 |
| 4 | 10.30 | 10.57 | 10.79 | 10.97 | 11.07 | 11.17 | 11.24 | 10.48 | 9.81 | 9.42 | 9.09 | 9.55 |
| 5 | 10.31 | 10.58 | 10.79 | 10.97 | 11.07 | 11.18 | 11.24 | 10.42 | 9.79 | 9.40 | 9.10 | 9.56 |
| 6 | 10.32 | 10.59 | 10.80 | 10.98 | 11.08 | 11.17 | 11.24 | 10.38 | 9.78 | 9.38 | 9.12 | 9.57 |
| 7 | 10.32 | 10.60 | 10.80 | 10.98 | 11.08 | 11.17 | 11.24 | 10.34 | 9.76 | 9.36 | 9.14 | 9.58 |
| 8 | 10.33 | 10.61 | 10.81 | 10.99 | 11.09 | 11.18 | 11.25 | 10.31 | 9.75 | 9.33 | 9.16 | 9.59 |
| 9 | 10.34 | 10.62 | 10.81 | 10.99 | 11.09 | 11.18 | 11.25 | 10.28 | 9.73 | 9.31 | 9.18 | 9.60 |
| 10 | 10.35 | 10.63 | 10.82 | 10.98 | 11.09 | 11.19 | 11.25 | 10.25 | 9.72 | 9.28 | 9.19 | 9.61 |
| 11 | 10.36 | 10.64 | 10.83 | 10.99 | 11.09 | 11.19 | 11.25 | 10.22 | 9.71 | 9.25 | 9.21 | 9.62 |
| 12 | 10.37 | 10.64 | 10.83 | 10.99 | 11.10 | 11.20 | 11.26 | 10.19 | 9.71 | 9.23 | 9.23 | 9.63 |
| 13 | 10.37 | 10.65 | 10.84 | 10.99 | 11.10 | 11.20 | 11.26 | 10.17 | 9.70 | 9.20 | 9.24 | 9.64 |
| 14 | 10.39 | 10.65 | 10.85 | 11.00 | 11.11 | 11.21 | 11.26 | 10.14 | 9.69 | 9.18 | 9.26 | 9.65 |
| 15 | 10.40 | 10.66 | 10.86 | 11.01 | 11.12 | 11.21 | 11.26 | 10.12 | 9.68 | 9.17 | 9.27 | 9.65 |
| 16 | 10.40 | 10.67 | 10.86 | 11.01 | 11.12 | 11.21 | 11.26 | 10.10 | 9.68 | 9.14 | 9.29 | 9.65 |
| 17 | 10.42 | 10.67 | 10.87 | 11.01 | 11.12 | 11.22 | 11.26 | 10.08 | 9.68 | 9.12 | 9.30 | 9.66 |
| 18 | 10.42 | 10.68 | 10.87 | 11.01 | 11.13 | 11.22 | 11.25 | 10.06 | 9.67 | 9.11 | 9.32 | 9.66 |
| 19 | 10.43 | 10.69 | 10.88 | 11.02 | 11.13 | 11.22 | 11.25 | 10.03 | 9.67 | 9.10 | 9.33 | 9.67 |
| 20 | 10.44 | 10.70 | 10.89 | 11.01 | 11.13 | 11.22 | 11.25 | 10.01 | 9.65 | 9.09 | 9.35 | 9.67 |
| 21 | 10.45 | 10.70 | 10.89 | 11.02 | 11.14 | 11.22 | 11.26 | 9.98 | 9.63 | 9.08 | 9.36 | 9.68 |
| 22 | 10.46 | 10.71 | 10.90 | 11.02 | 11.14 | 11.22 | 11.26 | 9.96 | 9.61 | 9.07 | 9.38 | 9.69 |
| 23 | 10.47 | 10.71 | 10.90 | 11.02 | 11.15 | 11.23 | 11.25 | 9.93 | 9.59 | 9.06 | 9.39 | 9.69 |
| 24 | 10.47 | 10.72 | 10.90 | 11.03 | 11.15 | 11.23 | 11.21 | 9.92 | 9.57 | 9.06 | 9.40 | 9.68 |
| 25 | 10.48 | 10.72 | 10.91 | 11.03 | 11.15 | 11.23 | 11.11 | --- | 9.54 | 9.05 | 9.42 | 9.68 |
| 26 | 10.49 | 10.73 | 10.92 | 11.04 | 11.15 | 11.23 | 11.00 | --- | 9.53 | 9.05 | 9.43 | 9.68 |
| 27 | 10.50 | 10.74 | 10.92 | 11.04 | 11.16 | 11.23 | 10.90 | --- | 9.51 | 9.05 | 9.45 | 9.67 |
| 28 | 10.51 | 10.75 | 10.93 | 11.04 | 11.16 | 11.23 | 10.84 | --- | 9.50 | 9.05 | 9.47 | 9.65 |
| 29 | 10.52 | 10.75 | 10.93 | 11.05 | --- | 11.23 | 10.79 | 9.86 | 9.49 | 9.05 | 9.48 | 9.64 |
| 30 | 10.52 | 10.76 | 10.94 | 11.05 | --- | 11.23 | 10.73 | 9.85 | 9.48 | 9.06 | 9.49 | 9.63 |
| 31 | 10.53 | --- | 10.95 | 11.05 | --- | 11.23 | --- | 9.85 | --- | 9.07 | 9.50 | --- |