

Water-Data Report 2011

644401147193801 Local number FD00200222BABA1005., AK

Chena Alluvium of Quaternary Age

Fairbanks North Star Borough, AK

LOCATION.--Lat 64°44'01", long 147°19'38" referenced to North American Datum of 1927, in NW ¼ NE ¼ NW ¼ sec.22, T.2 S., R.2 E., Fairbanks North Star Borough, AK, Hydrologic Unit 19040506, (Fairbanks C-1 NW quad) Fairbanks Meridian, Well located at southeast corner of Laurance Road and Old Richardson Highway intersection, North Pole. Owner: U.S. Army Corps of Engineers.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 14.1 ft. Upper casing diameter 2.00 in; top of first opening 9.1 ft, bottom of last opening 13.6 ft.

DATUM.--Land-surface datum is 496.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of inner casing 3.88 ft above land-surface datum.

PERIOD OF RECORD.--July 2001 to September 2011, discontinued. Does not include winter record after October 2006.

GAGE.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

REMARKS.--Observation well drilled April 9, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-15. Flows on the Chena River were not regulated by the U.S. Army Corps of Engineers at Moose Creek Dam for this time period.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.11 ft below land-surface datum, August 2, 2008; lowest, 6.73 ft below land-surface datum, November 2-3, 2004.

EXTREMES FOR CURRENT PERIOD.--Highest water level measured, 4.69 ft below land-surface datum, July 7 - 8, 2011; lowest 6.43 ft September 30, 2011.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY HIGHEST WATER LEVEL

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.80	---	---	---	---	---	---	---	5.66	4.98	4.78	5.35
2	5.84	---	---	---	---	---	---	---	5.61	4.92	4.81	5.39
3	5.89	---	---	---	---	---	---	5.31	5.57	4.86	4.84	5.42
4	5.92	---	---	---	---	---	---	5.31	5.56	4.82	4.86	5.46
5	5.96	---	---	---	---	---	---	5.33	5.55	4.76	4.88	5.51
6	6.00	---	---	---	---	---	---	5.38	5.56	4.70	4.92	5.54
7	---	---	---	---	---	---	---	5.48	5.59	4.69	4.94	5.60
8	---	---	---	---	---	---	---	5.61	5.63	4.69	4.99	5.66
9	---	---	---	---	---	---	---	5.71	5.66	4.70	5.04	5.71
10	---	---	---	---	---	---	---	5.80	5.68	4.72	5.10	5.76
11	---	---	---	---	---	---	---	5.87	5.70	4.71	5.15	5.80
12	---	---	---	---	---	---	---	5.92	5.71	4.71	5.19	5.83
13	---	---	---	---	---	---	---	5.95	5.72	4.70	5.20	5.87
14	---	---	---	---	---	---	---	5.99	5.74	4.72	5.20	5.91
15	---	---	---	---	---	---	---	6.04	5.63	4.75	5.24	5.96
16	---	---	---	---	---	---	---	6.08	5.57	4.78	5.27	6.00
17	---	---	---	---	---	---	---	6.12	5.52	4.79	5.29	6.03
18	---	---	---	---	---	---	---	6.15	5.51	4.81	5.26	6.05
19	---	---	---	---	---	---	---	6.15	5.51	4.83	5.25	6.08
20	---	---	---	---	---	---	---	6.13	5.53	4.82	5.26	6.10
21	---	---	---	---	---	---	---	6.07	5.55	4.83	5.22	6.13
22	---	---	---	---	---	---	---	6.02	5.54	4.86	5.16	6.16
23	---	---	---	---	---	---	---	5.97	5.51	4.88	5.08	6.19
24	---	---	---	---	---	---	---	5.92	5.46	4.89	5.05	6.23
25	---	---	---	---	---	---	---	5.88	5.39	4.90	5.04	6.26
26	---	---	---	---	---	---	---	5.85	5.32	4.92	5.05	6.28
27	---	---	---	---	---	---	---	5.83	5.26	4.86	5.07	6.31
28	---	---	---	---	---	---	---	5.81	5.19	4.83	5.13	6.34
29	---	---	---	---	---	---	---	5.79	5.12	4.81	5.20	6.37
30	---	---	---	---	---	---	---	5.76	5.05	4.78	5.27	6.40
31	---	---	---	---	---	---	---	5.71	---	4.77	5.31	---
Mean	---	---	---	---	---	---	---	---	5.52	4.80	5.10	5.92
Max	---	---	---	---	---	---	---	---	5.74	4.98	5.31	6.40
Min	---	---	---	---	---	---	---	---	5.05	4.69	4.78	5.35

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