

Water-Data Report 2011

644547147141801 Local number FD00200306CCCC1002., AK

Chena Alluvium of Quaternary Age

Fairbanks North Star Borough, AK

LOCATION.--Lat 64°45'47", long 147°14'18" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.6, T.2 S., R.3 E., Fairbanks North Star Borough, AK, Hydrologic Unit 19040506, (Fairbanks D-1 SE quad) Fairbanks Meridian, Well located 0.5 mi on Hurst Road from the intersection with Nelson Road, then 30 ft east of road, North Pole. Owner: U.S. Army Corps of Engineers.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 17.4 ft. Upper casing diameter 2.00 in; top of first opening 12.4 ft, bottom of last opening 16.9 ft.

DATUM.--Land-surface datum is 493.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of inner casing 2.84 ft above land surface datum.

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

GAGE.--Intermittent measurements by USGS personnel August 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

REMARKS.--Observation well drilled April 11, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-3. 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, 5.82 ft below land-surface datum, September 18-19, 2003; lowest, 10.49 ft below land-surface datum, April 22-25, and 29, 2010.

EXTREMES FOR CURRENT PERIOD.--Highest water level measured, 8.95 ft below land surface datum, September 5 - 6, 2011; lowest water level measured, 10.30 ft below land surface datum, April 28, 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	9.95	---	---	---	---	---	---	10.20	9.72	9.40	8.99	8.98
2	9.96	---	---	---	---	---	---	10.18	9.72	9.37	8.99	8.96
3	9.98	---	---	---	---	---	---	10.15	9.71	9.34	9.00	8.96
4	9.98	---	---	---	---	---	---	10.12	9.71	9.31	9.00	8.96
5	9.99	---	---	---	---	---	---	10.09	9.72	9.28	9.02	8.95
6	---	---	---	---	---	---	---	10.07	9.73	9.24	9.04	8.95
7	---	---	---	---	---	---	---	10.04	9.71	9.20	9.04	8.98
8	---	---	---	---	---	---	---	10.01	9.72	9.16	9.06	9.01
9	---	---	---	---	---	---	---	9.99	9.72	9.13	9.07	9.02
10	---	---	---	---	---	---	---	9.97	9.72	9.11	9.08	9.03
11	---	---	---	---	---	---	---	9.96	9.72	9.08	9.09	9.04
12	---	---	---	---	---	---	---	9.95	9.72	9.06	9.09	9.03
13	---	---	---	---	---	---	---	9.93	9.73	9.05	9.08	9.02
14	---	---	---	---	---	---	---	9.92	9.73	---	9.08	9.03
15	---	---	---	---	---	---	---	9.91	9.73	---	9.09	9.04
16	---	---	---	---	---	---	---	9.90	9.70	---	9.09	9.04
17	---	---	---	---	---	---	---	9.90	9.68	---	9.09	9.04
18	---	---	---	---	---	---	---	9.89	9.66	---	9.08	9.03
19	---	---	---	---	---	---	---	9.89	9.64	---	9.04	9.01
20	---	---	---	---	---	---	---	9.88	9.62	---	9.04	9.00
21	---	---	---	---	---	---	---	9.87	9.60	8.97	9.05	9.00
22	---	---	---	---	---	---	---	9.86	9.59	8.97	9.05	9.01
23	---	---	---	---	---	---	---	9.84	9.57	8.96	9.05	9.02
24	---	---	---	---	---	---	---	9.82	9.56	8.97	9.05	9.03
25	---	---	---	---	---	---	---	9.80	9.54	8.98	9.04	9.03
26	---	---	---	---	---	---	---	9.79	9.52	8.99	9.02	9.04
27	---	---	---	---	---	---	---	9.78	9.49	8.99	9.01	9.04
28	---	---	---	---	---	---	10.27	9.76	9.46	9.00	9.00	9.05
29	---	---	---	---	---	---	10.24	9.76	9.44	9.00	9.00	9.05
30	---	---	---	---	---	---	10.22	9.75	9.42	8.99	8.99	9.04
31	---	---	---	---	---	---	---	9.73	---	8.99	8.97	---
Mean	---	---	---	---	---	---	---	9.93	9.64	---	9.04	9.01
Max	---	---	---	---	---	---	---	10.20	9.73	---	9.09	9.05
Min	---	---	---	---	---	---	---	9.73	9.42	---	8.97	8.95

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