

GROUND-WATER LEVEL DATA

SOUTHEAST ALASKA

JUNEAU

582359134352103. Local number, CD04006618BCA3019 85177.

LOCATION.--Lat 58°23'59", Long 134°35'21", SW¹/₄ NW¹/₄ SW¹/₄ sec.18, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301, Well is located in steel gage house by sewage treatment plant on Riverbend Road, 1/4 mile off of the Mendenhall Loop Road, Juneau. Owner: Harlan Olsen.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6-in. PVC casing, depth 40 ft, screen opening from 30 ft to 40 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, November 1983 to current year; continuous strip-chart recorder, November 1983 to August 1984; Digital recorder, August 1984 to April 1997; submersible pressure transducer/electric data logger, August 1997 to September 1998; electronic data logger and encoder, September 1998 to April 2005; submersible pressure transducer/electric data logger, April 2005 to current year.

DATUM.--Elevation of land-surface datum is 50.53 ft above sea level (determined by levels survey). Measuring point: top of casing 0.77 ft above land-surface datum.

REMARKS.--The record occurring from July 29 to September 15, 2005 is poor. The record for the remainder of the 2005 water year is good. Well drilled November 3, 1983 by USGS, designated as Mendenhall well. Well sampled for water quality, May 17, 1984.

PERIOD OF RECORD.--November 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.89 ft below land-surface datum, September 25, 1990; lowest measured, 13.54 ft below land-surface datum, February 2, 1997.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 5.71 ft below land-surface datum, September 29; lowest, 11.41 ft below land-surface datum, January 29 and 30.

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	7.40	7.83	7.40	8.06	10.70	8.50	9.24	9.57	10.87	10.98	9.95	7.65
2	7.39	7.89	6.90	8.37	10.63	8.31	9.27	9.69	10.92	10.88	10.12	7.74
3	7.49	7.50	6.90	8.62	10.63	8.13	9.34	9.77	10.92	10.90	10.16	8.01
4	7.63	7.46	7.00	8.86	10.66	7.90	9.47	9.83	10.93	10.86	9.93	8.28
5	7.56	7.51	7.23	9.07	10.72	7.87	9.50	9.89	10.86	10.82	9.37	8.30
6	7.59	7.77	7.47	9.25	10.78	7.85	9.57	10.05	10.87	10.84	9.20	7.35
7	7.72	7.87	7.66	9.41	10.79	7.87	9.57	10.13	10.94	10.87	9.27	6.87
8	7.72	8.02	7.86	9.48	10.63	7.80	9.66	10.23	10.94	10.87	9.42	6.72
9	7.66	8.35	8.19	9.72	10.05	7.56	9.80	10.26	10.95	10.90	9.50	6.82
10	7.52	8.56	8.55	9.84	9.78	7.17	9.78	10.28	10.97	10.93	9.52	7.13
11	7.54	8.70	8.72	9.97	9.47	7.10	9.78	10.32	11.06	10.98	9.60	7.36
12	7.49	8.85	8.31	10.21	9.47	7.05	9.98	10.35	11.12	11.02	9.64	7.56
13	7.43	9.02	8.32	10.28	9.65	7.04	10.01	10.35	11.16	11.05	9.68	7.60
14	7.45	9.08	8.40	10.38	9.84	7.05	10.07	10.33	11.17	11.02	9.73	7.65
15	7.45	9.22	8.45	10.45	9.93	7.13	10.06	10.28	11.19	11.03	9.82	7.85
16	7.46	9.17	7.98	10.52	9.99	7.34	10.13	10.30	11.25	11.02	9.97	8.07
17	7.63	9.17	7.70	10.55	10.07	7.57	10.27	10.36	11.24	10.83	9.93	7.49
18	7.82	9.18	7.13	10.75	10.07	7.84	10.38	10.37	11.17	10.63	9.81	7.41
19	8.26	8.89	7.12	10.81	10.17	8.05	9.76	10.43	11.16	10.62	9.68	6.89
20	8.47	7.13	7.07	10.96	10.23	8.16	9.41	10.53	11.16	10.66	9.56	6.85
21	8.68	6.98	7.16	11.01	10.35	8.43	8.99	10.62	11.13	10.71	9.55	6.78
22	8.77	7.01	7.04	11.09	10.43	8.74	8.89	10.64	11.13	10.67	9.31	7.06
23	9.09	7.10	6.53	11.10	9.59	8.94	8.91	10.72	11.20	10.68	9.30	6.94
24	9.20	7.15	6.49	11.12	---	9.13	9.05	10.81	11.24	10.74	9.27	6.76
25	9.28	7.15	6.52	11.24	---	9.26	9.18	10.85	11.22	10.77	8.93	6.78
26	9.47	7.13	6.77	11.23	---	9.34	9.29	10.78	11.20	10.66	8.56	6.90
27	9.19	7.17	6.99	11.23	9.39	9.42	9.30	10.77	11.17	10.13	8.56	7.16
28	8.54	7.17	7.12	11.28	9.03	9.46	9.31	10.77	11.06	9.75	8.72	6.97
29	7.78	7.25	7.39	11.35	---	9.46	9.37	10.82	10.98	9.66	8.93	5.71
30	7.77	7.47	7.59	11.18	---	9.56	9.43	10.85	10.97	9.70	8.22	5.72
31	7.81	---	7.82	10.97	---	9.30	---	10.84	---	9.86	7.75	---