

Water-Data Report 2007

442238068154101 Local number HW 171

Hancock County, ME

LOCATION.--Lat 44°22'38", long 68°15'41" referenced to North American Datum of 1983, Hancock County, ME, Hydrologic Unit 01050002, on McFarland Hill, approximately 400 ft uphill of the National Park Service Headquarters, on State Route 233, in Bar Harbor. Owner: National Park Service.

GROUND-WATER RECORDS

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., steel casing, depth 98 ft, cased to 48 ft, open hole.

DATUM.--Elevation of land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 4.79 ft above land-surface datum. Prior to June 9, 2005, top of casing 2.00 ft above land-surface datum. Land-surface datum is at the general land surface.

PERIOD OF RECORD.--September 2003 to current year.

GAGE.--Electronic water-level recorder. Satellite telemeter at station.

REMARKS.--Missing record, Oct. 6 and 20, due to pumping for water quality sampling, and Aug. 27-29, and Aug. 31 to Sept. 10. Local earthquake on Oct. 2, 2006 caused a permanent 4 ft drop in water levels.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, -3.72 ft above land-surface datum, June 12, 2006; lowest water level recorded, 32.47 ft below land-surface datum, Sept. 30, 2007.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[- (minus sign), value is water level above land surface; m, measured]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21.00	2.07	4.10	3.27	7.23	13.45	3.91	1.94	5.93	19.19	25.03	---
2	21.07	2.06	4.37	3.02	7.72	13.50	4.12	1.92	6.55	19.47	25.20	---
3	23.46	2.19	4.49	2.39	8.24	13.55	4.37	2.08	7.22	19.77	25.34	---
4	24.56	2.41	4.18	1.80	8.88	13.66	4.61	2.35	7.82	20.06	25.47	---
5	m25.01	2.62	4.19	1.69	9.45	13.61	4.62	2.72	8.30	20.25	25.66	---
6	---	2.75	4.34	1.76	10.07	13.52	4.95	3.19	8.60	20.48	25.79	---
7	25.32	2.94	4.34	2.04	10.69	13.38	5.35	3.58	8.72	20.78	25.94	---
8	25.39	3.07	4.46	1.91	11.32	13.09	5.59	3.93	8.75	21.03	26.07	---
9	25.49	2.79	4.86	1.35	11.98	13.00	5.91	4.38	8.76	21.30	26.31	---
10	25.68	1.94	5.07	1.04	12.68	12.81	6.23	4.87	8.85	21.50	26.50	---
11	25.82	1.50	5.36	1.25	13.34	12.62	6.45	5.33	8.97	21.68	26.64	m30.44
12	25.78	1.25	5.66	1.35	13.91	12.06	6.47	5.82	9.19	21.85	26.80	30.58
13	25.98	0.70	5.76	1.61	14.55	10.99	6.05	6.27	9.49	22.09	26.93	30.80
14	25.96	-0.08	5.83	2.06	14.98	9.71	5.64	6.70	9.83	22.33	27.12	30.86
15	25.75	-0.46	5.97	2.35	15.23	8.13	4.88	7.04	10.23	22.45	27.27	30.89
16	25.40	-0.36	6.09	2.67	15.25	6.49	3.59	7.43	10.69	22.61	27.42	31.11
17	24.81	-0.40	6.26	3.40	14.88	4.88	1.52	7.63	11.20	22.79	27.53	31.20
18	24.06	-0.45	6.35	3.91	14.36	3.59	0.19	7.06	11.82	22.94	27.69	31.27
19	m23.21	-0.31	6.54	3.95	13.91	2.90	-0.35	5.50	12.48	23.03	27.90	31.33
20	---	0.01	6.77	3.58	13.58	2.54	-0.52	3.18	13.11	23.17	28.05	31.42
21	19.00	0.54	6.92	3.23	13.28	2.63	-0.52	1.79	13.80	23.39	28.17	31.55
22	15.95	0.87	7.28	2.92	13.10	2.38	-0.31	1.43	14.47	23.57	28.29	31.60
23	12.93	1.11	7.34	2.86	12.94	2.34	-0.17	1.45	15.17	23.69	28.37	31.66
24	10.62	1.33	6.99	3.17	12.94	2.53	0.09	1.57	15.85	23.79	28.45	31.81
25	8.79	1.79	5.94	3.53	13.02	2.57	0.62	1.83	16.47	23.96	28.58	31.83
26	7.48	2.09	4.46	3.95	13.02	2.67	1.00	2.28	16.99	24.11	28.65	31.92
27	6.59	2.48	3.49	4.49	13.13	2.70	1.34	2.92	17.49	24.24	---	32.08
28	5.87	2.98	3.09	4.99	13.27	2.93	1.47	3.45	17.96	24.39	---	32.08
29	4.47	3.40	2.95	5.52	---	3.21	1.68	4.06	18.46	24.57	---	32.34
30	3.11	3.72	2.88	6.11	---	3.40	1.86	4.71	18.85	24.73	m29.23	32.46
31	2.40	---	3.02	6.65	---	3.63	---	5.34	---	24.85	---	---
Max	---	3.72	7.34	6.65	15.25	13.66	6.47	7.63	18.85	24.85	---	---
Min	---	-0.46	2.88	1.04	7.23	2.34	-0.52	1.43	5.93	19.19	---	---

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