

Water-Data Report 2008

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine

Kennebec County, ME

LOCATION.--Lat 44°12'26", long 69°50'22" referenced to North American Datum of 1983, Kennebec County, ME, Hydrologic Unit 01030003, 0.3 mi west of the State Route 126 overpass of U.S. Interstate 95. Owner: private.

GROUND-WATER RECORDS

AQUIFER.--Undefined.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 347 ft, cased with steel to bedrock, open hole.

DATUM.--Elevation of land-surface datum is 169 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 1.50 ft above land-surface datum. Land surface datum is at the general land surface.

PERIOD OF RECORD.--August 2007 to September 2008.

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

REMARKS.--Records for water year 2007 have not been previously published and are given below. Water level affected by earth tides. Water level affected by pumping, August 2007 to December 4, 2007.

EXTREMES FOR PERIOD OF RECORD.--Highest daily water level recorded, 4.17 ft below land-surface datum, Apr. 10, 2008; lowest daily recorded, 11.26 ft below land-surface datum, Sept. 9, 2007.

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[m, measured]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 1 | 10.30 | m5.51 | 5.31 | 5.39 | 5.80 | 5.20 | 4.37 | 4.61 | 6.78 | 7.30 | 6.82 | 7.14 |
| 2 | 10.29 | m5.99 | 5.42 | 5.34 | 5.20 | 5.19 | 4.35 | 4.74 | 6.94 | 7.42 | 6.55 | 7.25 |
| 3 | 10.21 | 5.69 | 5.16 | 5.69 | 5.26 | 5.31 | 4.50 | 4.72 | 7.01 | 7.35 | 6.39 | 7.32 |
| 4 | 10.28 | 5.16 | 4.99 | 5.65 | 5.26 | 5.36 | 4.35 | 4.55 | 7.05 | 7.48 | 6.26 | 7.41 |
| 5 | 10.33 | 5.35 | 5.48 | 5.57 | 5.03 | 5.17 | 4.20 | 4.46 | 7.06 | 7.53 | 6.20 | 7.69 |
| 6 | 10.39 | 5.02 | 5.81 | 5.53 | 4.99 | 5.24 | 4.36 | 4.44 | 7.07 | 7.58 | 6.09 | 7.67 |
| 7 | 10.22 | 5.01 | 5.90 | 5.54 | 5.04 | 5.21 | 4.37 | 4.50 | 7.00 | 7.65 | 5.89 | 6.87 |
| 8 | 10.03 | 5.18 | 5.85 | 5.47 | 5.11 | 4.79 | 4.38 | 4.55 | 6.87 | 7.73 | 5.56 | 6.15 |
| 9 | 9.93 | 7.60 | 6.03 | 5.32 | 5.14 | 4.54 | 4.29 | 4.79 | 6.95 | 7.74 | 5.23 | 5.64 |
| 10 | 9.89 | 5.70 | 5.97 | 5.26 | 4.98 | 4.71 | 4.17 | 4.84 | 7.05 | 7.86 | 5.18 | 5.32 |
| 11 | 9.85 | 5.50 | 6.00 | 5.21 | 5.13 | 4.68 | 4.30 | 4.99 | 7.10 | 8.13 | 5.18 | 5.19 |
| 12 | 9.48 | 5.47 | 5.91 | 5.08 | 5.37 | 4.50 | 4.27 | 5.16 | 7.20 | 8.22 | 5.06 | 5.05 |
| 13 | 8.78 | 6.85 | 6.17 | 5.18 | 5.06 | 4.73 | 4.21 | 5.29 | 7.36 | 8.19 | 5.14 | 5.12 |
| 14 | 8.30 | 5.63 | 6.11 | 5.01 | 4.87 | 4.79 | 4.36 | 5.39 | 7.34 | 8.17 | 5.17 | 5.09 |
| 15 | m8.15 | 5.32 | 6.29 | 4.97 | 4.91 | 4.76 | 4.54 | 5.44 | 7.30 | 8.45 | 5.13 | 5.01 |
| 16 | 8.01 | 5.03 | 6.01 | 5.27 | 5.05 | 4.82 | 4.63 | 5.50 | 7.27 | 8.54 | 5.08 | 5.36 |
| 17 | 7.95 | 5.19 | 5.86 | 5.43 | 5.06 | 4.96 | 4.64 | 5.43 | 7.25 | 8.62 | 5.14 | 5.37 |
| 18 | 7.89 | 5.36 | 6.43 | 5.14 | 4.70 | 4.90 | 4.64 | 5.57 | 7.22 | 8.62 | 5.29 | 5.51 |
| 19 | 7.84 | 5.41 | 6.52 | 5.14 | 4.59 | 4.61 | 4.76 | 5.71 | 7.29 | 8.60 | 5.39 | 5.73 |
| 20 | 6.87 | 5.19 | 6.45 | 5.19 | 4.74 | 4.29 | 4.84 | 5.87 | 7.44 | 8.63 | 5.56 | 5.69 |
| 21 | 6.52 | 5.22 | 6.66 | 5.38 | 4.96 | 4.33 | 4.91 | 5.97 | 7.48 | 8.38 | 5.71 | 5.76 |
| 22 | 6.32 | 5.09 | 6.60 | 5.31 | 4.92 | 4.50 | 4.89 | 6.08 | 7.51 | 8.24 | 5.91 | 5.99 |
| 23 | 6.10 | 5.12 | 6.46 | 5.19 | 4.92 | 4.73 | 4.81 | 6.30 | 7.46 | 8.16 | 6.00 | 6.13 |
| 24 | 6.17 | 5.43 | 5.93 | 5.41 | 4.97 | 4.83 | 4.93 | 6.44 | 7.32 | 7.92 | 6.10 | 6.23 |
| 25 | 6.34 | 5.34 | 5.79 | 5.48 | 4.97 | 4.76 | 5.10 | 6.59 | 7.33 | 7.50 | 6.11 | 6.36 |
| 26 | 6.39 | 5.31 | 5.78 | 5.56 | 5.01 | 4.57 | 5.17 | 6.57 | 7.34 | 7.17 | 6.29 | 6.42 |
| 27 | 6.07 | 5.12 | 5.57 | 5.59 | 4.88 | 4.58 | 5.27 | 6.61 | 7.41 | 7.02 | 6.46 | 5.98 |
| 28 | 5.64 | 5.26 | 5.64 | 5.61 | 5.22 | 4.55 | 5.28 | 6.85 | 7.50 | 7.02 | 6.62 | 5.05 |
| 29 | 5.61 | 5.10 | 5.46 | 5.60 | 5.48 | 4.65 | 4.83 | 6.87 | 7.42 | 7.10 | 6.75 | 4.63 |
| 30 | 5.53 | 5.11 | 5.51 | 5.56 | --- | 4.78 | 4.58 | 7.05 | 7.34 | 7.21 | 6.89 | 4.65 |
| 31 | m5.55 | --- | 5.35 | 5.85 | --- | 4.74 | --- | 6.92 | --- | 7.19 | 7.00 | --- |
| Mean | 8.10 | 5.44 | 5.88 | 5.38 | 5.06 | 4.80 | 4.61 | 5.57 | 7.22 | 7.83 | 5.88 | 5.96 |
| Max | 10.39 | 7.60 | 6.66 | 5.85 | 5.80 | 5.36 | 5.28 | 7.05 | 7.51 | 8.63 | 7.00 | 7.69 |
| Min | 5.53 | 5.01 | 4.99 | 4.97 | 4.59 | 4.29 | 4.17 | 4.44 | 6.78 | 7.02 | 5.06 | 4.63 |

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

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

[m, measured]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.98 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 11.14 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.52 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.45 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.58 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.87 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.72 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.96 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 11.26 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.73 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.27 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.55 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.53 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.26 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.87 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.91 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.96 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.91 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.89 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.87 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.94 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.96 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.99 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.11 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.14 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.20 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.29 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.18 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.23 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.32 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | m10.01 | --- |
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.32 |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 11.26 |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.87 |

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued



441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 2007 to September 2008.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE, 41 ft below top of casing: September 2007 to September 2008.

WATER TEMPERATURE, 34 ft below top of casing: December 2007 to September 2008.

WATER TEMPERATURE, 41 ft below top of casing: September 2007 to September 2008.

INSTRUMENTATION.--Specific conductance and water temperature monitor at 41 ft below top of casing. Water temperature monitor at 34 ft below top of casing.

REMARKS.--Records for water year 2007 have not been previously published and are given below.

SPECIFIC CONDUCTANCE, 41 ft below top of casing: Missing record, Oct. 31 to Nov. 1.

WATER TEMPERATURE, 41 ft below top of casing: Missing record, Oct. 15.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE, 41 ft below top of casing: Maximum, 3,480 microsiemens/cm, June 11-16, 2008; minimum, 681 microsiemens/cm, Sept. 2, 2007.

WATER TEMPERATURE, 41 ft below top of casing: Maximum, 9.2 °C, many days in water year 2008; minimum, 8.3 °C, Oct. 15, 2007.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: 41 ft below top of casing; Maximum, 3,480 microsiemens/cm, June 11-16; minimum, 695 microsiemens/cm, Nov. 14.

WATER TEMPERATURE: 34 ft below top of casing, December 2007 to September 2008; Maximum, 8.4°C, on many days; minimum, 7.9°C, on many days.

WATER TEMPERATURE: 41 ft below top of casing; Maximum, 9.2°C, on many days; minimum, 8.3°C, Oct. 15.

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES**

At depth 41 ft below top of casing

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 2,570 | --- | 2,760 | 2,840 | 2,850 | 3,020 | 3,030 | 3,060 | 3,270 | 3,360 | 3,050 | 2,780 |
| 2 | 2,590 | 1,780 | 2,760 | 2,840 | 2,850 | 3,020 | 3,030 | 3,070 | 3,270 | 3,360 | 3,040 | 2,780 |
| 3 | 2,600 | 1,780 | 2,780 | 2,840 | 2,850 | 3,020 | 3,030 | 3,070 | 3,270 | 3,350 | 3,030 | 2,780 |
| 4 | 2,600 | 1,780 | 2,810 | 2,840 | 2,850 | 3,020 | 3,030 | 3,070 | 3,270 | 3,340 | 3,020 | 2,780 |
| 5 | 2,600 | 1,790 | 2,820 | 2,840 | 2,860 | 3,020 | 3,030 | 3,070 | 3,270 | 3,330 | 3,000 | 2,780 |
| 6 | 2,610 | 1,800 | 2,810 | 2,840 | 2,870 | 3,020 | 3,020 | 3,070 | 3,340 | 3,330 | 2,980 | 2,870 |
| 7 | 2,640 | 1,820 | 2,800 | 2,840 | 2,860 | 3,020 | 3,020 | 3,070 | 3,410 | 3,330 | 2,960 | 2,950 |
| 8 | 2,670 | 1,780 | 2,800 | 2,840 | 2,870 | 3,030 | 3,020 | 3,070 | 3,430 | 3,320 | 2,950 | 2,780 |
| 9 | 2,680 | 1,410 | 2,800 | 2,840 | 2,900 | 3,030 | 3,020 | 3,070 | 3,430 | 3,320 | 2,930 | 2,780 |
| 10 | 2,690 | 1,060 | 2,800 | 2,840 | 2,920 | 3,030 | 3,020 | 3,080 | 3,440 | 3,320 | 2,910 | 2,780 |
| 11 | 2,700 | 1,100 | 2,800 | 2,840 | 2,920 | 3,030 | 3,020 | 3,080 | 3,480 | 3,320 | 2,890 | 2,780 |
| 12 | 2,700 | 1,140 | 2,800 | 2,840 | 2,920 | 3,030 | 3,020 | 3,080 | 3,480 | 3,320 | 2,860 | 2,780 |
| 13 | 2,610 | 878 | 2,800 | 2,840 | 2,920 | 3,030 | 3,020 | 3,100 | 3,480 | 3,320 | 2,830 | 2,780 |
| 14 | 2,450 | 697 | 2,790 | 2,840 | 2,920 | 3,030 | 3,020 | 3,250 | 3,480 | 3,320 | 2,800 | 2,780 |
| 15 | 2,300 | 718 | 2,820 | 2,840 | 2,920 | 3,030 | 3,020 | 3,250 | 3,470 | 3,320 | 2,780 | 2,780 |
| 16 | 2,200 | 728 | 2,830 | 2,720 | 2,920 | 3,030 | 3,020 | 3,270 | 3,470 | 3,320 | 2,770 | 2,780 |
| 17 | 2,130 | 753 | 2,840 | 2,540 | 2,920 | 3,030 | 3,020 | 3,280 | 3,470 | 3,320 | 2,780 | 2,780 |
| 18 | 2,120 | 1,030 | 2,840 | 2,540 | 2,920 | 3,030 | 3,020 | 3,280 | 3,460 | 3,320 | 2,780 | 2,810 |
| 19 | 2,110 | 1,190 | 2,830 | 2,540 | 2,920 | 3,030 | 3,020 | 3,280 | 3,450 | 3,320 | 2,780 | 2,810 |
| 20 | 2,110 | 1,490 | 2,830 | 2,590 | 2,920 | 3,030 | 3,020 | 3,280 | 3,440 | 3,320 | 2,780 | 2,790 |
| 21 | 2,110 | 1,990 | 2,830 | 2,670 | 2,930 | 3,030 | 3,020 | 3,280 | 3,430 | 3,320 | 2,780 | 2,790 |
| 22 | 2,020 | 2,550 | 2,830 | 2,700 | 2,960 | 3,030 | 3,020 | 3,280 | 3,420 | 3,320 | 2,780 | 2,790 |
| 23 | 1,950 | 2,710 | 2,830 | 2,720 | 2,980 | 3,030 | 3,020 | 3,280 | 3,420 | 3,320 | 2,780 | 2,790 |
| 24 | 1,890 | 2,710 | 2,830 | 2,720 | 2,980 | 3,030 | 3,020 | 3,280 | 3,420 | 3,320 | 2,780 | 2,790 |
| 25 | 1,860 | 2,710 | 2,830 | 2,720 | 2,980 | 3,030 | 3,020 | 3,280 | 3,410 | 3,290 | 2,780 | 2,790 |
| 26 | 1,840 | 2,730 | 2,830 | 2,720 | 2,990 | 3,030 | 3,020 | 3,270 | 3,400 | 3,250 | 2,780 | 2,790 |
| 27 | 1,840 | 2,740 | 2,830 | 2,790 | 2,990 | 3,030 | 3,020 | 3,270 | 3,390 | 3,220 | 2,780 | 2,780 |
| 28 | 1,830 | 2,740 | 2,830 | 2,810 | 3,010 | 3,030 | 3,020 | 3,270 | 3,380 | 3,180 | 2,780 | 2,780 |
| 29 | 1,800 | 2,750 | 2,830 | 2,810 | 3,020 | 3,030 | 3,030 | 3,270 | 3,370 | 3,140 | 2,780 | 2,780 |
| 30 | 1,770 | 2,760 | 2,830 | 2,840 | --- | 3,030 | 3,020 | 3,270 | 3,370 | 3,100 | 2,780 | 2,780 |
| 31 | --- | --- | 2,830 | 2,840 | --- | 3,030 | --- | 3,270 | --- | 3,080 | 2,780 | --- |
| Mean | --- | --- | 2,810 | 2,770 | 2,920 | 3,030 | 3,020 | 3,190 | 3,400 | 3,290 | 2,850 | 2,790 |
| Max | --- | --- | 2,840 | 2,840 | 3,020 | 3,030 | 3,030 | 3,280 | 3,480 | 3,360 | 3,050 | 2,950 |
| Min | --- | --- | 2,760 | 2,540 | 2,850 | 3,020 | 3,020 | 3,060 | 3,270 | 3,080 | 2,770 | 2,780 |

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
 DAILY MEAN VALUES

At depth 41 ft below top of casing

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 843 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 794 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 754 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 785 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 839 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 852 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 860 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 868 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 863 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 852 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 862 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 841 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 829 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 838 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 845 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 846 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 849 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 917 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,330 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,620 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,660 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,670 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,680 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,690 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,700 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,720 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,740 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,840 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,370 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,540 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,220 |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,540 |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 754 |

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

At depth 34 ft below top of casing

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 |
| 2 | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 |
| 3 | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 |
| 4 | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.3 | 8.1 | 8.1 | 8.0 | 7.9 | 7.9 |
| 5 | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.3 | 8.1 | 8.1 | 8.0 | 7.9 | 7.9 |
| 6 | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.3 | 8.1 | 8.1 | 8.0 | 7.9 | 7.9 |
| 7 | --- | --- | 8.2 | 8.3 | 8.4 | 8.4 | 8.3 | 8.1 | 8.0 | 8.0 | 7.9 | 7.9 |
| 8 | --- | --- | 8.2 | 8.3 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 8.0 | 7.9 | 7.9 |
| 9 | --- | --- | 8.2 | 8.3 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 8.0 | 7.9 | 7.9 |
| 10 | --- | --- | 8.2 | 8.3 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| 11 | --- | --- | 8.2 | 8.3 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| 12 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| 13 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 7.9 | 7.9 | 7.9 |
| 14 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 7.9 | 7.9 | 7.9 |
| 15 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| 16 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 7.9 | 7.9 | 7.9 |
| 17 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 7.9 | 7.9 | 7.9 |
| 18 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 7.9 | 7.9 | 7.9 |
| 19 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| 20 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| 21 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 8.0 |
| 22 | --- | --- | 8.2 | 8.4 | 8.4 | 8.4 | 8.2 | 8.2 | 8.0 | 7.9 | 7.9 | 8.0 |
| 23 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.2 | 8.0 | 7.9 | 7.9 | 8.0 |
| 24 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.2 | 8.0 | 7.9 | 7.9 | 8.0 |
| 25 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.2 | 8.0 | 7.9 | 7.9 | 8.0 |
| 26 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 8.0 |
| 27 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 8.0 |
| 28 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 8.0 |
| 29 | --- | --- | 8.3 | 8.4 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 8.0 |
| 30 | --- | --- | 8.3 | 8.4 | --- | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 8.0 |
| 31 | --- | --- | 8.3 | 8.4 | --- | 8.4 | --- | 8.1 | --- | 7.9 | 7.9 | --- |
| Mean | --- | --- | --- | 8.4 | 8.4 | 8.4 | 8.3 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 |
| Max | --- | --- | --- | 8.4 | 8.4 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 8.0 |
| Min | --- | --- | --- | 8.3 | 8.4 | 8.4 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 7.9 |

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

At depth 41 ft below top of casing

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 9.0 | 8.9 | 8.9 |
| 2 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 3 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 4 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 5 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 6 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 7 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 8 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 9 | 8.4 | 8.9 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 10 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 11 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 12 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 13 | 8.4 | 8.9 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 8.9 | 8.9 | 8.9 |
| 14 | 8.4 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 15 | --- | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 16 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 17 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 18 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 19 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 20 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 21 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 22 | 8.8 | 8.9 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 23 | 8.8 | 8.9 | 8.9 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 24 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 25 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 26 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 27 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 28 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 29 | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| 30 | 8.8 | 8.9 | 9.0 | 9.1 | --- | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 | 8.9 |
| 31 | 8.8 | --- | 9.0 | 9.1 | --- | 9.2 | --- | 9.0 | --- | 8.9 | 8.9 | --- |
| Mean | --- | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 |
| Max | --- | 8.9 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.1 | 9.1 | 9.0 | 8.9 | 8.9 |
| Min | --- | 8.8 | 8.9 | 9.0 | 9.1 | 9.1 | 9.1 | 9.0 | 8.9 | 8.9 | 8.9 | 8.9 |

441226069502201 Local number ME-KW891 Liberty Lane near Gardiner, Maine—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
 DAILY MEAN VALUES

At depth 41 ft below top of casing

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8.4 |