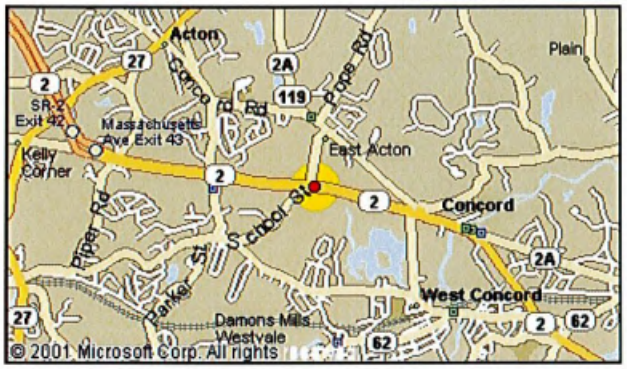
Site Number: 422812071244401 - MA-ACW 158 ACTON, MA



Groundwater
Watch Help Page

DESCRIPTION:
Latitude 42°28'12", Longitude 71°24'44" NAD27
Middlesex County, Massachusetts, Hydrologic Unit 01070004
Well depth: 33.8 feet
Hole depth: 37.5 feet
Land surface altitude: 153.00feet above NGVD29.
Well completed in "Sand and gravel aquifers (glaciated regions)" (N100GLCIAL) national aquifer.
Well completed in "Ice-Contact Deposits, Including Eskers and Kames" (112ICCCE) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Current / Historical Observations	2007-10-01	2014-06-21	
Daily Data			
Depth to water level, feet below land surface	2000-10-23	2014-06-20	4633
Daily Statistics			
Depth to water level, feet below land surface	2000-10-23	2013-10-28	4459
Monthly Statistics			
Depth to water level, feet below land surface	2000-10	2013-10	
Annual Statistics			
Depth to water level, feet below land surface	2001	2014	
Field groundwater-level measurements	1964-11-10	2014-04-28	573

Additional Data Sources	Begin Date	End Date	Count
Annual Water-Data Report (pdf) **offsite**	2005	2013	9
Groundwater Watch **offsite**	1964	2014	5198

OPERATION:
Record for this site is maintained by the USGS Massachusetts Water Science Center
Email questions about this site toMassachusetts Water Science Center Water-Data Inquiries

Site Statistics

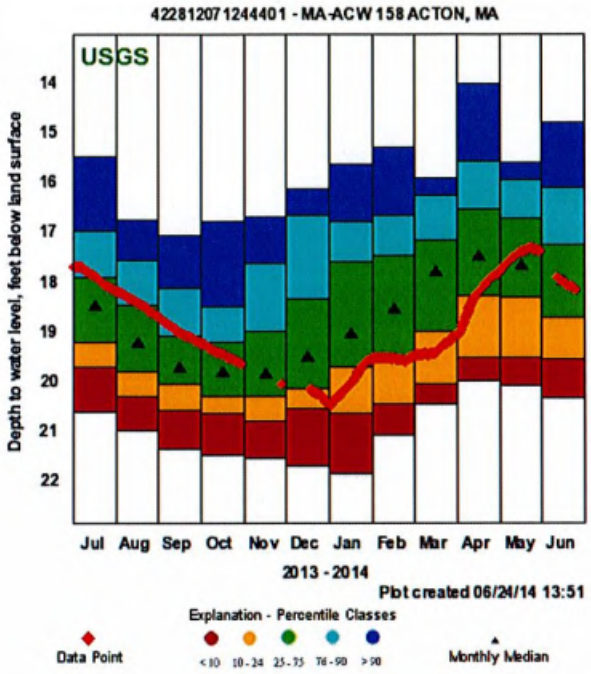
Most recent data value: 18.18 on 6/24/2014
Period of Record Monthly Statistics for 422812071244401
Depth to water level, feet below land surface
All Approved Continuous & Periodic Data Used In Analysis
Note: Highlighted values in the table indicate closest statistic to the most recent data value.

Month	Lowest Median	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest Median	Number of Years
Jan	21.86	20.64	19.73	19.07	17.61	16.80	15.64	50
Feb	21.08	20.48	19.54	18.56	17.48	16.67	15.31	48
Mar	20.46	20.07	19.01	17.82	17.17	16.26	15.94	48
Apr	20.00	19.53	18.30	17.52	16.56	15.60	14.04	50
May	20.10	19.53	18.32	17.69	16.75	15.97	15.61	49
Jun	20.34	19.58	18.72	18	17.28	16.12	14.82	48
Jul	20.62	19.73	19.21	18.52	17.91	16.98	15.48	47
Aug	21.00	20.31	19.82	19.26	18.48	17.57	16.78	49
Sep	21.36	20.58	20.07	19.74	19.09	18.15	17.07	49
Oct	21.50	20.66	20.31	19.84	19.21	18.52	16.81	48
Nov	21.56	20.82	20.32	19.87	19.00	17.65	16.71	50
Dec	21.72	20.55	20.16	19.54	18.35	16.68	16.16	48

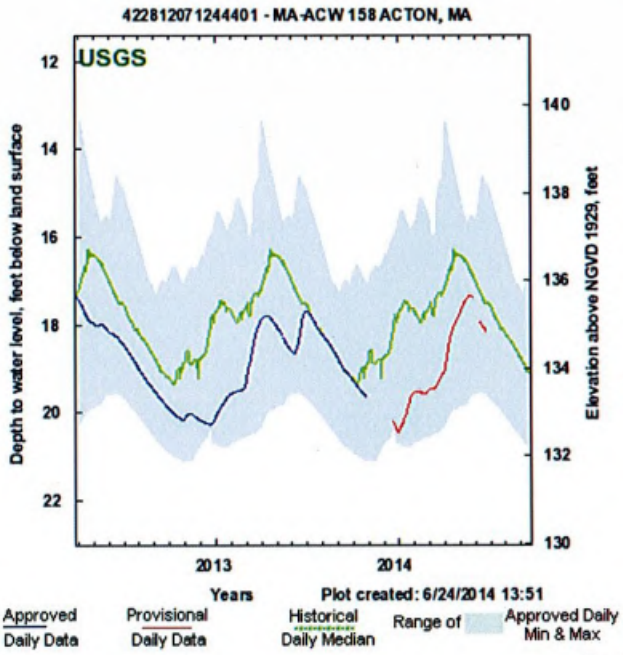
As of 6/21/2014 04:09-2

Statistics Options

View month/year statistics



Daily Groundwater Data



Most recent Provisional daily data value: 18.18 on 06/24/14

Summary for Period of Continuous Record

Depth to water level, feet below land surface

Approved Daily Mean Values Data Used in Analysis

Begin Date	End Date	Days	% Complete
10/23/00	10/28/13	4,459	93

Lowest Level	5th %ile	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	95th %ile	Highest Level
21.10	20.41	20.03	19.13	17.90	16.82	16.12	15.63	13.34

Daily Data Options

USGS View latest data on NWISWeb

View data in calendar format

Download data in text format

View daily medians

View Daily Value Moving Averages

Periodic Groundwater Data

Summary for Period of Record Periodic Water Levels

Depth to water level, feet below land surface

Approved Periodic Water Level Values

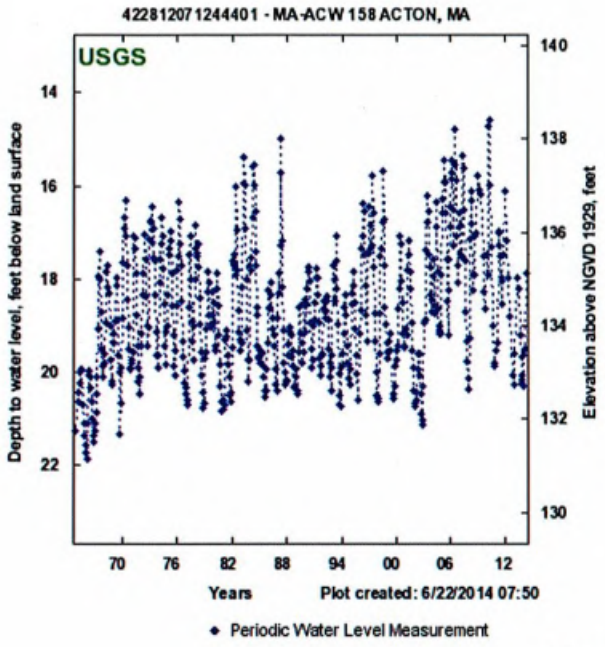
Begin Date	End Date	Number of Values
11/10/64	04/28/14	573

Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL
14.58	04/26/10	21.86	01/26/66

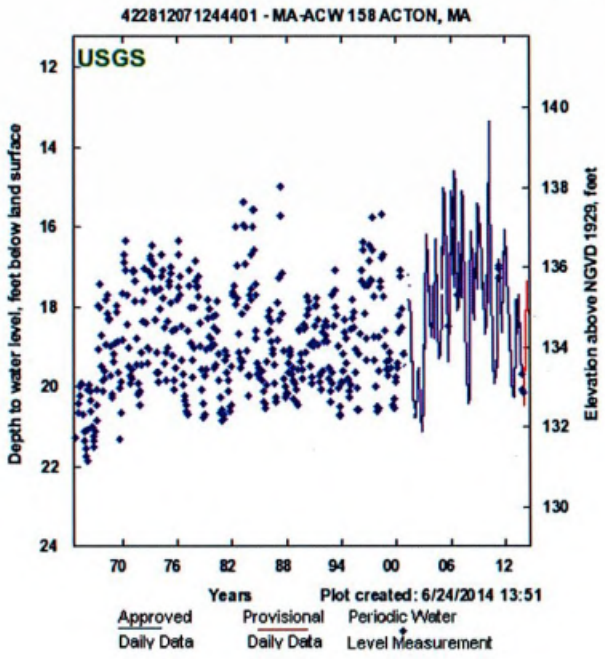
Groundwater Levels Options

USGS View latest data on NWISWeb

Download Groundwater levels in text format



Period of Record - All Data Types



Summary for Period of Record - All Data Types

Depth to water level, feet below land surface

Begin Date	End Date	Number of Values
11/10/64	06/24/14	5,873

Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL
13.34	04/05/10	21.86	01/26/66

Period of Record Options

View latest data on NWISWeb for all data types

View annual monthly statistics for all data types

Download Groundwater levels in text format of all data types

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*References to non-Department of the Interior (DOI) products do not constitute an endorsement by the DOI.
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Current Conditions ▾ Geographic Area: United States ▾ GO

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- Full News

USGS 422812071244401 MA-ACW 158 ACTON, MA

PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site Time-series: Current/Historical Observations ▾ GO

Click to hidestation-specific text

LOCATION--Lat 42°28'12", long 71°24'44", Middlesex County, Hydrologic Unit 01070005, 30 ft north of State Highway 2 and 150 ft east of Wetherbee Street in Acton..
AQUIFER--Sand and gravel, glaciated regions; ice contact deposits aquifer.
WELL CHARACTERISTICS--Augered observation water-table well, diameter 2.0 in., depth 33.8 ft, screened 31.8 to 33.8 ft..
INSTRUMENTATION--Data Collection Platform with satellite telemeter, June 2001 to current year. Monthly measurement prior to June 2001.

DATUM--Elevation of land-surface datum is 153 ft above National Geodetic Vertical Datum of 1929, from topographic map.
PERIOD OF RECORD--January 1965 to current year. Prior to October 1974, published in Massachusetts Hydrologic-Data Report No. 17.
COOPERATION BY--Massachusetts Department of Conservation and Recreation, Office of Water Resources.

Click here to view historical monthly statistics
The following variables and well information can be used to estimate high ground-water levels at a site using the USGS Open-File Report, 80-1205,

"Probable High Ground-Water Levels in Massachusetts."

OWmax = 14.58 ft below land surface (from recorder)
OWr = 5.40 ft
OWc = most recent value from graph below
Lithology = Sand and gravel
Topographic setting = Terrace

Photo of Acton 158 well

This station managed by the Northborough, MA Field Office.

Available Parameters	Available Period
☐ All 1 Available Parameters for this site	
☑ 72019 WaterLevel, BelowLSD	2007-10-01 2014-06-25

Output format

- ○ Graph
- ○ Graph w/ stats
- ○ Graph w/o stats
- ○ Graph w/ (up to 3) parms
- ◉ Table
- ○ Tab-separated
- ○ Tab-separated w/ meas

Days (7) **Summary of all available data for this site** GO
Instantaneous-data availability statement

-- or --

Begin date
2014-06-18

End date
2014-06-25

Depth to water level, feet below land surface

TIME	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Jun 25
00:00 EDT	18.06P	18.08P	18.10P	18.12P	18.13P	18.15P	18.17P	18.19P
01:00 EDT	18.06P	18.08P	18.10P	18.12P	18.13P	18.15P	18.17P	18.19P
02:00 EDT	18.06P	18.08P	18.10P	18.12P	18.13P	18.15P	18.18P	18.19P
03:00 EDT	18.06P	18.08P	18.10P	18.12P	18.13P	18.15P	18.18P	18.19P
04:00 EDT	18.06P	18.08P	18.10P	18.12P	18.14P	18.16P	18.18P	18.19P
05:00 EDT	18.07P	18.08P	18.10P	18.12P	18.14P	18.16P	18.18P	18.19P
06:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	18.19P

07:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	18.20P
08:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	18.20P
09:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	18.20P
10:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	18.20P
11:00 EDT	18.06P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	
12:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	
13:00 EDT	18.07P	18.09P	18.11P	18.12P	18.14P	18.16P	18.18P	
14:00 EDT	18.07P	18.09P	18.10P	18.12P	18.14P	18.16P	18.18P	
15:00 EDT	18.07P	18.09P	18.11P	18.12P	18.14P	18.17P	18.19P	
16:00 EDT	18.07P	18.09P	18.11P	18.12P	18.15P	18.17P	18.18P	
17:00 EDT	18.07P	18.09P	18.11P	18.13P	18.14P	18.17P	18.19P	
18:00 EDT	18.07P	18.09P	18.11P	18.13P	18.15P	18.17P	18.18P	
19:00 EDT	18.08P	18.09P	18.11P	18.13P	18.15P	18.17P	18.19P	
20:00 EDT	18.08P	18.09P	18.11P	18.13P	18.15P	18.17P	18.19P	
21:00 EDT	18.08P	18.09P	18.11P	18.13P	18.15P	18.17P	18.19P	
22:00 EDT	18.08P	18.10P	18.11P	18.13P	18.15P	18.17P	18.19P	
23:00 EDT	18.08P	18.10P	18.11P	18.13P	18.15P	18.17P	18.19P	
COUNT	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**11**
MAX	**18.08**	**18.10**	**18.11**	**18.13**	**18.15**	**18.17**	**18.19**	**18.20**
MIN	**18.06**	**18.08**	**18.10**	**18.12**	**18.13**	**18.15**	**18.17**	**18.19**

Explanation

P	Provisional data subject to revision.

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