New Hampshire Groundwater Level Monitoring

December 2022

New Hampshire Geological Survey
29 Hazen Drive, PO Box 95
Concord, New Hampshire 03302-0095

January 4, 2023

NEW HAMPSHIRE GROUNDWATER CONDITIONS SUMMARY

Temperature and Precipitation. New Hampshire's monthly temperature and precipitation were both generally above normal[1] for December 2022. The December average temperature departure from normal ranged from +1° F to +3° F in southern and western New Hampshire to +3° F to +5° F in northern and eastern New Hampshire, according to data provided by the Northeast Regional Climate Center (NRCC) at Cornell University. The above normal temperature departure recorded in New Hampshire in December 2022 continued the warm trend observed during both October and November of 2022. The State-wide mean precipitation for the month of December was 129% of normal, according to the Quantitative Precipitation Estimates (QPE) provided by the National Weather Service Advanced Hydrologic Prediction Service (AHPS). Most of New Hampshire received between 75% and 200% of normal precipitation amounts in December 2022. The exceptions were in a small area in western New Hampshire which received 50% to 75% of normal precipitation, and in the central White Mountains which received 200% to 300% of normal precipitation. Most of December's precipitation fell during the storm on December 23rd to 24th as rain on the existing snowpack, causing much of the snow to melt and large groundwater level increases in many wells[2]. Percent of normal precipitation state-wide in New Hampshire reported by QPE from AHPS ranged from a low of 55% of normal precipitation in western New Hampshire to a high of 222% of normal in the White Mountains region, with a state-wide mean ± std. dev. percent normal monthly precipitation of 129% ± 34. Figure 1 shows the distribution of December 2022 percent of normal monthly precipitation received across New Hampshire as reported by the QPE from AHPS.

Drought. According to the most recent U.S. Drought Monitor map for New Hampshire released on December 29, 2022, the extent of area in New Hampshire designated as Abnormally Dry (D0) has remained nearly constant since late November, while the area of Moderate Drought (D1) has been removed from the State. The percent area of New Hampshire designated as having Abnormally Dry (D0) conditions is currently 34.4% of the State. Currently, no part of the State of New Hampshire is currently designated as Moderate Drought (D1) or greater. Abnormally Dry (D0) conditions are present in most of Rockingham County, most of Belknap County, approximately half of Hillsborough, Merrimack, Sullivan, and Grafton Counties, and the southwestern portion of Cheshire County. No parts of Coos or Carroll Counties are experiencing drought or abnormally dry conditions according to the most recent USDM map. Figure 2 shows the locations and intensity of current classified drought conditions in New Hampshire.

Groundwater Levels. Figures 1 and 2 show the monthly status of the most recent groundwater levels recorded for both bedrock and overburden wells in the New Hampshire Geological Survey's Groundwater Level Monitoring Network (GWLMN). The GWLMN currently includes 11 bedrock and 22 overburden observation wells, all of which are measured monthly by hand near the end of each month. Hourly data loggers are currently installed in 23 of the 33 wells. Bedrock wells are installed into bedrock and overburden wells are installed in the unconsolidated materials above bedrock. Using all monthly hand measurements and daily median levels from the data loggers (if installed), monthly median groundwater levels are calculated. The monthly medians are then used to calculate monthly statistics for each monitoring well. Only wells with a period of record (POR) of 10 years or more for the current month are placed within statistical categories of: low, much below normal, below normal, normal, above normal, much above normal, and high

[1] Temperature and Precipitation departures are based on the most recent 30-year normal period, 1991 – 2020.

[2] Large groundwater level increases were observed in many of the monitoring wells equipped with hourly data loggers.

(symbols bright red through dark blue, corresponding to: below lowest monthly median; <10th; 10th-25th; 25th-75th; 75th-90th; >90th Percentiles; and above highest monthly median, respectively).

The status of the most recent groundwater level measurement for each well are summarized in Figures 1 and 2, and in Tables 1 and 2. The 12-month hydrographs of groundwater levels with statistical categories, a table reporting POR monthly statistics, and plots showing the prior 36-months of groundwater levels along with the “normal range” of the 25th to 75th percentile are shown for each well with POR > 10 years for the current month. The 12- and 36-month hydrographs in the figures also display either daily median levels calculated from the hourly logger data, if available, and/or the monthly hand measurement.

The most recent groundwater level measurements recorded between December 21 and 30, 2022 show the monthly status (percentile class) of the most recent groundwater levels vary across the State of New Hampshire from Below Normal (10th to 25th percentile) to High (above highest monthly median) levels, as indicated in Tables 1 and 2.

- Below Normal (10th to 25th Percentile) groundwater levels were recorded in 3 wells: the overburden wells in Greenfield and Lancaster, and the bedrock well in Northwood.
- Normal (25th to 75th Percentile) groundwater levels were recorded in 16 wells: both overburden wells in Concord, the overburden wells in Deerfield, Epping, Franklin, Lisbon, and Ossipee, both overburden wells in Newport, both bedrock wells in East Kingston, the bedrock wells in Deerfield and Hooksett, both bedrock wells in Rindge, and the shallow bedrock well in Stewartstown.
- Above Normal (75th to 90th Percentile) groundwater levels were recorded in 2 wells: the overburden well in Nashua, and the deep bedrock well in Concord.
- Much Above Normal (> 90th Percentile) groundwater levels were recorded in 3 wells: both overburden wells in Albany, and the overburden well in New London.
- For the 1 well with POR less than 10 years and greater than 1 year for December, the most recent measurement in the overburden well in Barrington (BBW-53) is much above the median level for December.

NOTES:

The historic groundwater level record from CVW-02 measured between 1966 and December of 2017 is now being associated with the nearby replacement well CVW-02R. CVW-02R was installed in January 2017 outside the secure perimeter of Concord Airport due to security concerns. A Pearson correlation coefficient of $r = 0.986$ was calculated for the $n = 11$ overlapping monthly measurements, indicating a strong linear correlation between groundwater depth measured in the two wells. The mean offset between paired monthly measurements was determined to be less than 0.1 foot between the two sites.

NHGS completed installation in early October 2022 of 3 replacement wells for existing groundwater monitoring wells that were either damaged or incompatible with data logger installation. The new wells, which are located in Concord, Franklin, and Colebrook and designated as CVW-04R, FKW-01R, and CTW-73R, have been added to the NH-GWLMN.

For further information of the New Hampshire Geological Survey's groundwater level monitoring network, please visit the NHGS information page at the USGS National Ground-Water Monitoring Network Portal or Groundwater - NH DES.

NHGS maintains a Web App for viewing groundwater data from the NH Groundwater Level Monitoring Network. The Web App is available through the NHDES Geodata Portal at https://nhdes.maps.arcgis.com or directly at https://nhdes.maps.arcgis.com/apps/webappviewer/index.html?id=521022e32a1540c2b281a071aa5421b7

The 12-month hydrographs, monthly statistics tables, and 3-year hydrographs were created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) provided by USGS. The HASP open-source code is available at the USGS-R/HASP page on Github. For more information about the statistical methods used to calculate percentiles, POR determinations, and other algorithm design decisions, see the NGWMN Statistics Methods page. NHGS has attempted to conform to the statistical methods specified by the NGWMN whenever possible.

If you are interested in receiving the monthly New Hampshire Groundwater Level Monitoring report by email, please contact Michael.W.Howley@des.nh.gov to be added to the email distribution list.

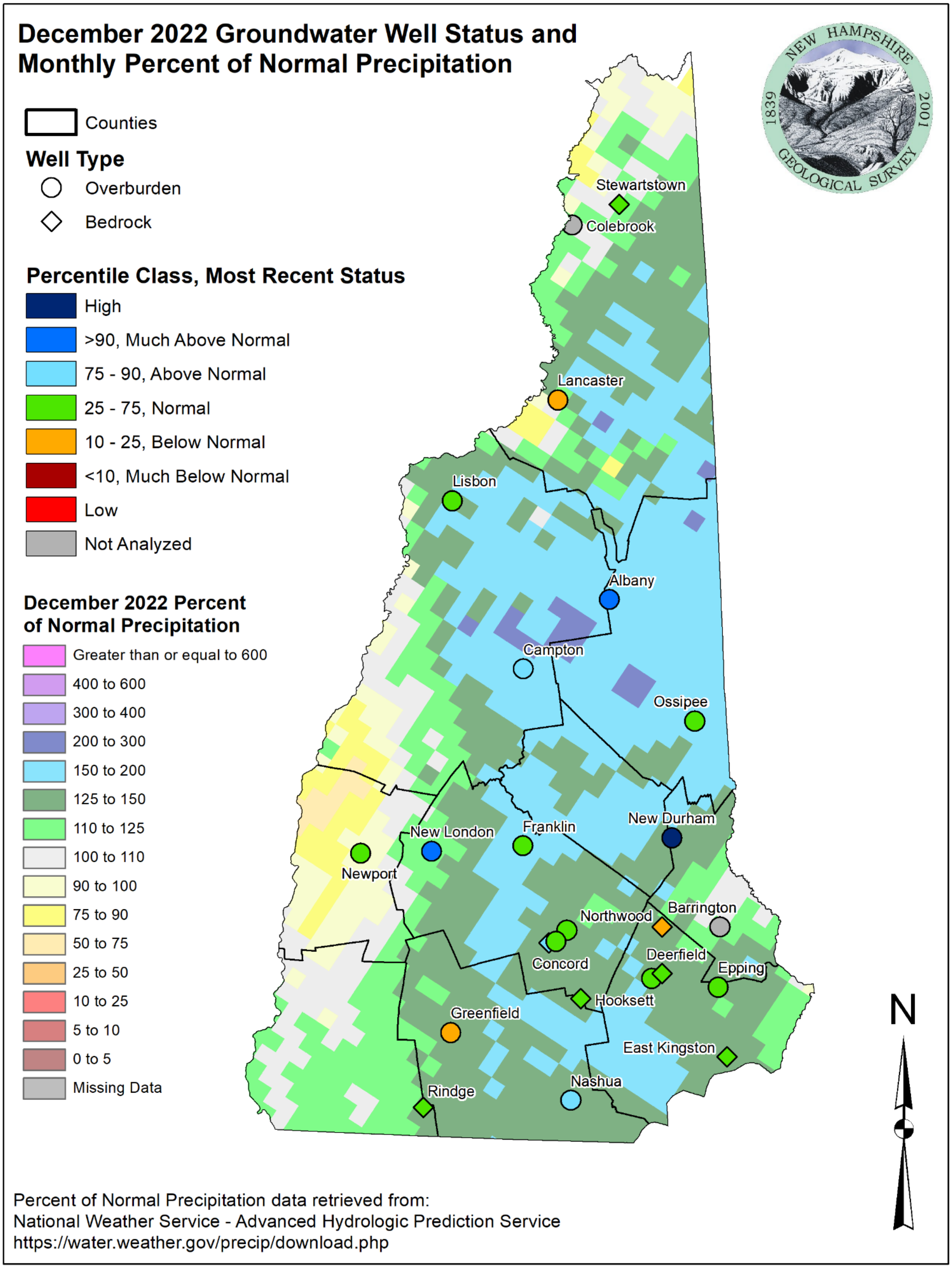


Figure 1. Groundwater Monitoring Network map showing groundwater levels relative to statistical envelopes calculated over each well's period of record (POR) and percent normal precipitation map for December 2022 ([National Weather Service – Advanced Hydrologic Prediction Service](https://water.weather.gov/precip/download.php)).

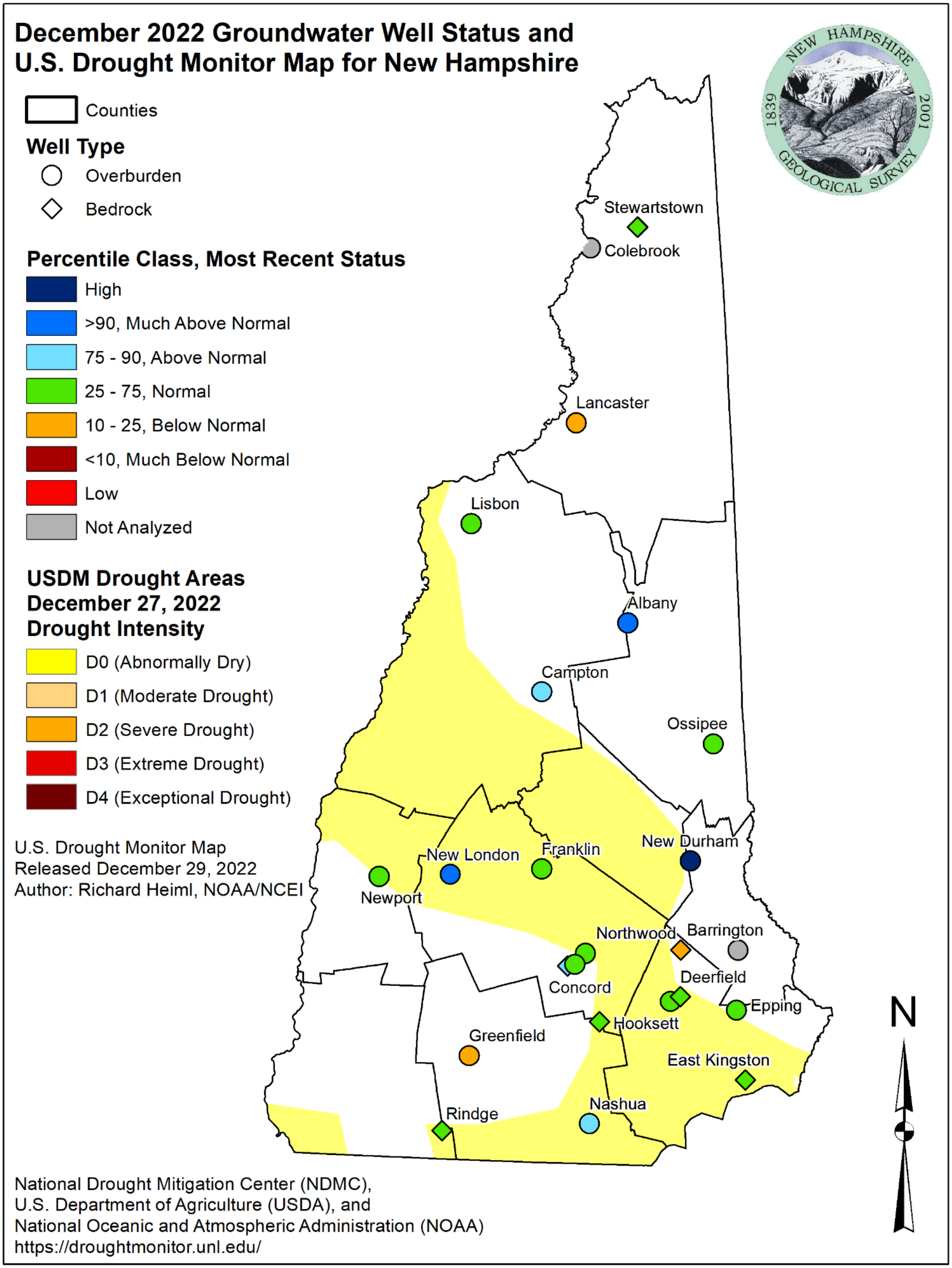


Figure 2. Groundwater Monitoring Network map showing groundwater levels relative to statistical envelopes calculated over each well's period of record (POR) and drought areas according to data released by the U.S. Drought Monitor on December 29, 2022.

Table 1. Summary of most recent groundwater levels and status sorted by well type.

Well	Town	Well type	Well Depth (ft)	Screened or Open Interval (ft)	Period of Record (years)	Most Recent Measurement			Prior Month Status	Percentile Class Change from Prior Month
						Depth to Water (ft)	Measurement Date	Status on Measurement Date		
ADW-14	Albany	Deep Overburden	80	78-80	28	4.71	2022-12-28	Much Above Normal	*Normal*	+2
ADW-15	Albany	Shallow Overburden	18	16-18	27	6.32	2022-12-28	Much Above Normal	*Normal*	+2
BBW-53	Barrington	Overburden	23	21-23	6	2.95	2022-12-27	Not Analyzed	*Not Analyzed*	
CBW-34	Campton	Overburden	107	105-107	28	11.60	2022-12-28	Above Normal	*Normal*	+1
CTW-73	Colebrook	Overburden	27	24-27	25	6.85	2022-11-30	Not Measured	*Above Normal*	
CTW-73R	Colebrook	Overburden	40	30-40	1	18.20	2022-12-21	Not Analyzed	*Not Analyzed*	
CVW-02R	Concord	Overburden	63	57-62	56	42.03	2022-12-29	Normal	*Normal*	
CVW-04	Concord	Overburden	41	39-41	56	17.57	2022-12-27	Normal	*Normal*	
CVW-04R	Concord	Overburden	35	25-35	1	4.07	2022-12-29	Not Analyzed	*Not Analyzed*	
DDW-46	Deerfield	Overburden	48	46-48	30	39.26	2022-12-29	Normal	*Below Normal*	+1
EPW-90	Epping	Overburden	38	36-38	16	28.53	2022-12-29	Normal	*Normal*	
FKW-01	Franklin	Overburden	52	49-52	52	14.17	2022-12-28	Normal	*Below Normal*	+1
FKW-01R	Franklin	Overburden	38	28-38	1	14.38	2022-12-28	Not Analyzed	*Not Analyzed*	
GSW-75	Greenfield	Overburden	68	66-68	27	63.13	2022-12-28	Below Normal	*Normal*	-1
LCW-1	Lancaster	Overburden	30	28-30	47	2.23	2022-12-29	Below Normal	*Much Below Normal*	+1
LLW-19	Lisbon	Overburden	42	40-42	29	13.10	2022-12-28	Normal	*Normal*	
NAW-218	Nashua	Overburden	43	41-43	55	27.18	2022-12-27	Above Normal	*Normal*	+1
NFW-53	New Durham	Overburden	60	58-60	29	18.07	2022-12-28	High	*Normal*	+3
NLW-01	New London	Overburden	21	0-21	70	4.28	2022-12-27	Much Above Normal	*Normal*	+2
NPW-03	Newport	Deep Overburden	56	54-56	27	6.15	2022-12-27	Normal	*Below Normal*	+1
NPW-06	Newport	Shallow Overburden	19	17-19	27	6.71	2022-12-27	Normal	*Below Normal*	+1
OXW-38	Ossipee	Overburden	115	113-114	28	35.46	2022-12-28	Normal	*Below Normal*	+1
CVWB-01	Concord	Deep Bedrock	480	470-480	14	19.09	2022-12-27	Above Normal	*Normal*	+1
CVWB-02	Concord	Shallow Bedrock	315	20-315	14	11.92	2022-12-27	High	*Normal*	+3
DDWB-01	Deerfield	Bedrock	300	20-300	14	18.66	2022-12-29	Normal	*Normal*	
EAWB-01	East Kingston	Deep Bedrock	473	463-473	14	22.61	2022-12-27	Normal	*Normal*	
EAWB-02	East Kingston	Shallow Bedrock	323	70-323	14	21.57	2022-12-27	Normal	*Normal*	
HTW-05	Hooksett	Bedrock	103	44-103	58	48.15	2022-12-27	Normal	*Normal*	
NWWB-01	Northwood	Bedrock	167	30-167	12	4.54	2022-12-27	Below Normal	*Normal*	-1
RGWB-01	Rindge	Deep Bedrock	401	391-401	14	14.54	2022-12-28	Normal	*Normal*	
RGWB-02	Rindge	Shallow Bedrock	285	120-285	14	17.26	2022-12-28	Normal	*Normal*	
SOWB-01	Stewartstown	Deep Bedrock	453	443-453	13	14.85	2022-12-21	Not Analyzed	*Not Analyzed*	
SOWB-02	Stewartstown	Shallow Bedrock	303	20-303	14	18.30	2022-12-21	Normal	*Above Normal*	-1

Explanation

Percentile Class	Above Highest Monthly Median	>90	75-90	25-75	10-25	<10	Below Lowest Monthly Median
Status	High	Much Above Normal	Above Normal	Normal	Below Normal	Much Below Normal	Low

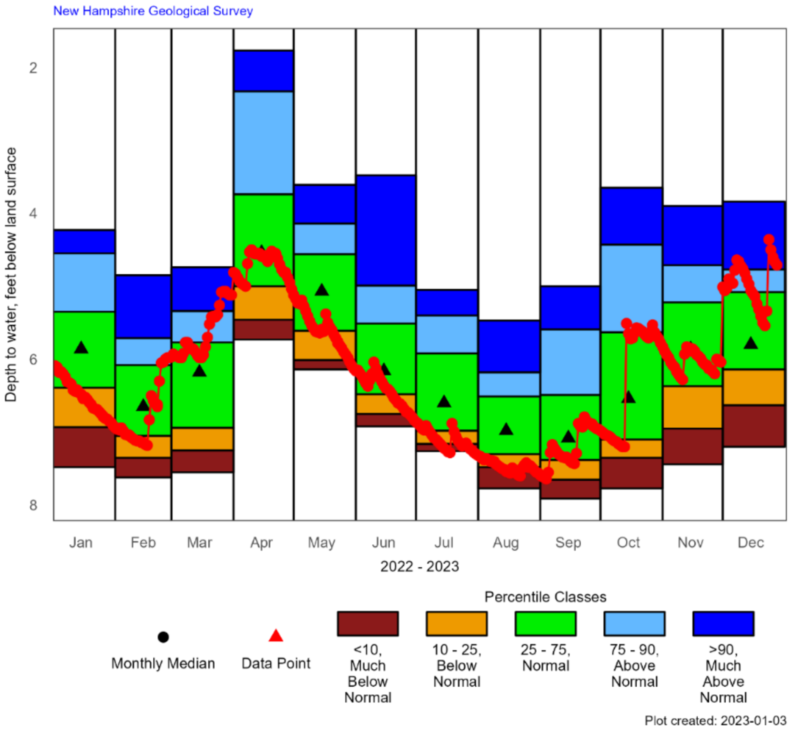
Table 2. Most recent well groundwater percentile class count compared to prior month and percentile class changes by moniotoring site.

Percentile Class	Status	Current Month Count: Late December 2022	Prior Month Count: Late November 2022	Monthly Class Change
Above highest monthly median	High	2	0	+2
>90	Much Above Normal	3	0	+3
75 – 90	Above Normal	3	2	+1
25 – 50	Normal	16	20	-4
10 – 25	Below Normal	3	5	-2
<10	Much Below Normal	0	1	-1
Below lowest monthly median	Low	0	0	-
<10yr Period of Record, Not Analyzed or Not Measured		5	6	+1

December 2022 Site Percentile Class Deteriorations	**3**
December 2022 Site Percentile Class Improvements	**14**

ADW-14: Albany, NH Overburden Well, Deep Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for ADW-14

Depth to water, feet below land surface

Most recent depth to water in ADW-14: 4.71 feet on 2022-12-28

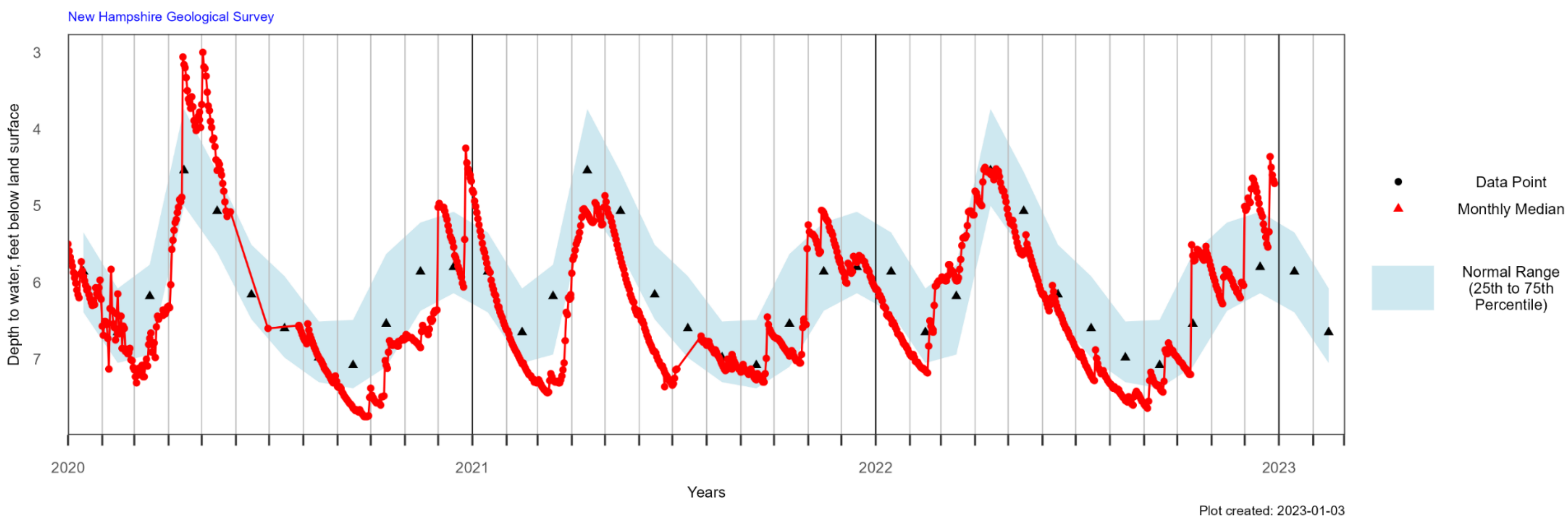
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	7.48	6.93	6.39	5.86	5.35	4.55	4.23	27
Feb	7.62	7.35	7.05	6.65	6.08	5.71	4.85	27
Mar	7.55	7.25	6.94	6.18	5.77	5.34	4.74	26
Apr	5.73	5.46	5.00	4.54	3.74	2.33	1.77	28
May	6.14	6.01	5.61	5.07	4.56	4.14	3.61	27
Jun	6.92	6.75	6.48	6.16	5.51	4.99	3.48	27
Jul	7.26	7.16	6.98	6.60	5.92	5.40	5.05	27
Aug	7.77	7.48	7.30	6.98	6.51	6.18	5.47	28
Sep	7.91	7.65	7.38	7.08	6.49	5.59	5.00	28
Oct	7.77	7.35	7.10	6.54	5.63	4.43	3.65	27
Nov	7.44	6.95	6.37	5.86	5.22	4.71	3.90	28
Dec	7.20	6.63	6.14	5.80	5.08	4.77	3.84	28

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

ADW-14: Albany, NH Overburden Well, Deep Couplet Member

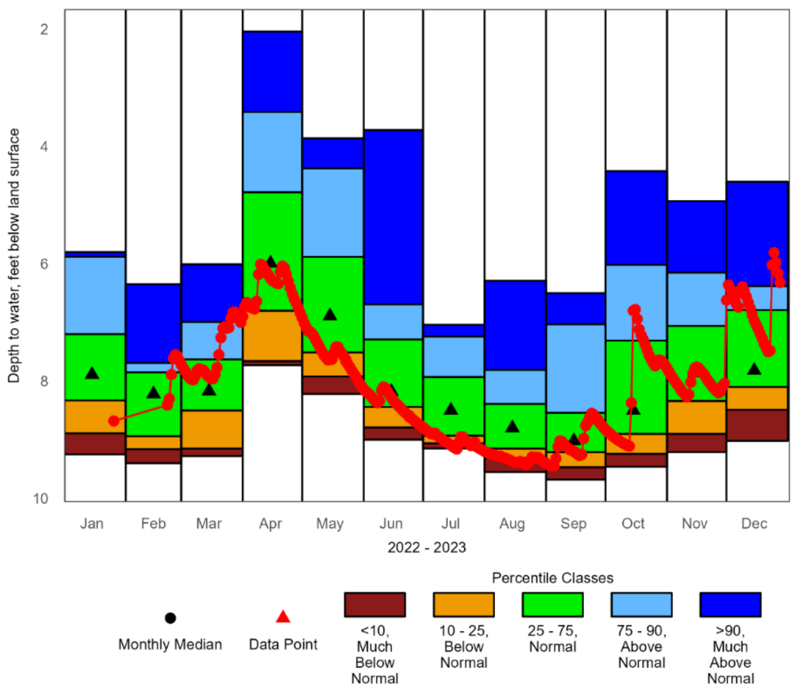
Groundwater Levels and Statistics for Past 3 Years



ADW-15: Albany, NH Overburden Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes

New Hampshire Geological Survey



Plot created: 2023-01-03

Period of Record Monthly Statistics for ADW-15

Depth to water, feet below land surface

Most recent depth to water in ADW-15: 6.32 feet on 2022-12-28

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	9.25	8.89	8.33	7.89	7.20	5.88	5.80	27
Feb	9.40	9.16	8.94	8.22	7.85	7.69	6.35	27
Mar	9.28	9.15	8.50	8.17	7.63	6.99	6.01	26
Apr	7.73	7.66	6.80	5.99	4.78	3.41	2.04	28
May	8.22	7.92	7.51	6.89	5.88	4.37	3.86	27
Jun	9.00	8.79	8.44	8.18	7.29	6.69	3.72	27
Jul	9.15	9.06	8.93	8.50	7.93	7.24	7.04	27
Aug	9.55	9.31	9.15	8.80	8.39	7.81	6.29	29
Sep	9.68	9.47	9.21	9.02	8.54	7.03	6.50	28
Oct	9.46	9.24	8.90	8.50	7.31	6.02	4.42	27
Nov	9.21	8.90	8.34	7.86	7.06	6.15	4.93	28
Dec	9.02	8.49	8.10	7.82	6.79	6.38	4.60	27

Table created: 2023-01-03

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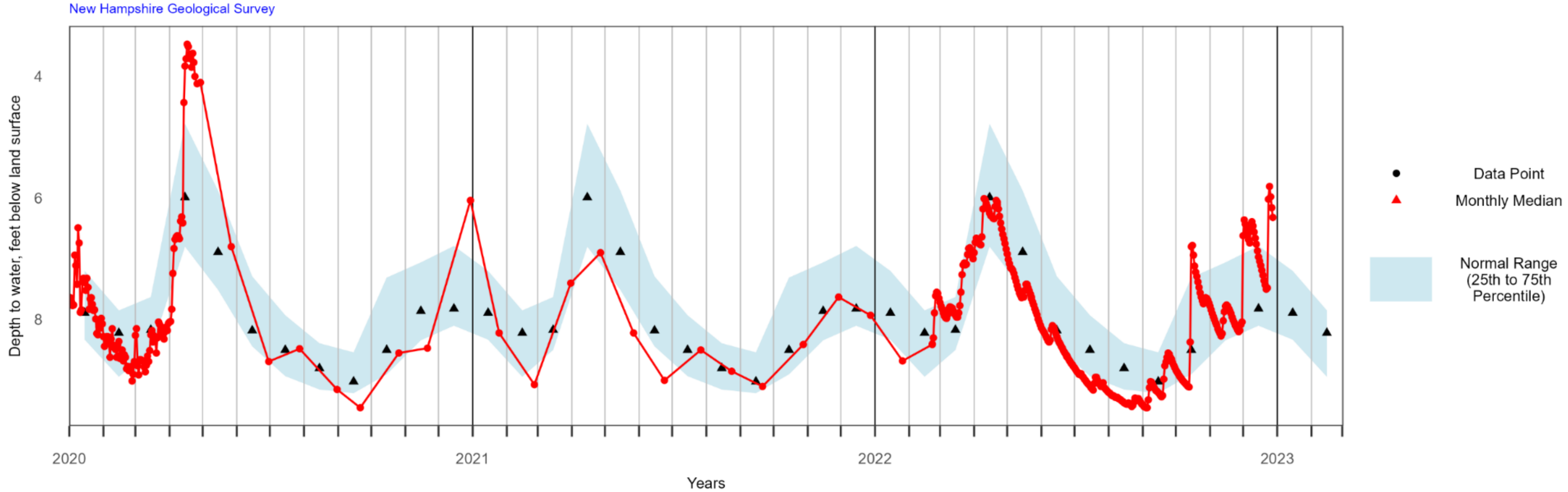
ADW-15: Albany, NH Overburden Well, Shallow Couplet Member

Groundwater Levels and Statistics for Past 3 Years

New Hampshire Geological Survey

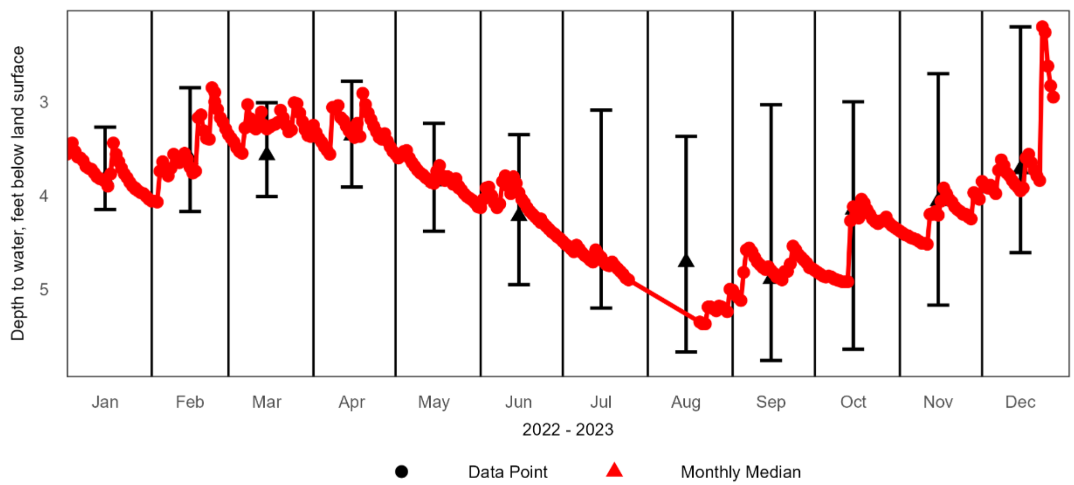


Plot created: 2023-01-03

BBW-53: Barrington, NH Overburden Well

Groundwater Levels for Prior 12 Months with Median and Range

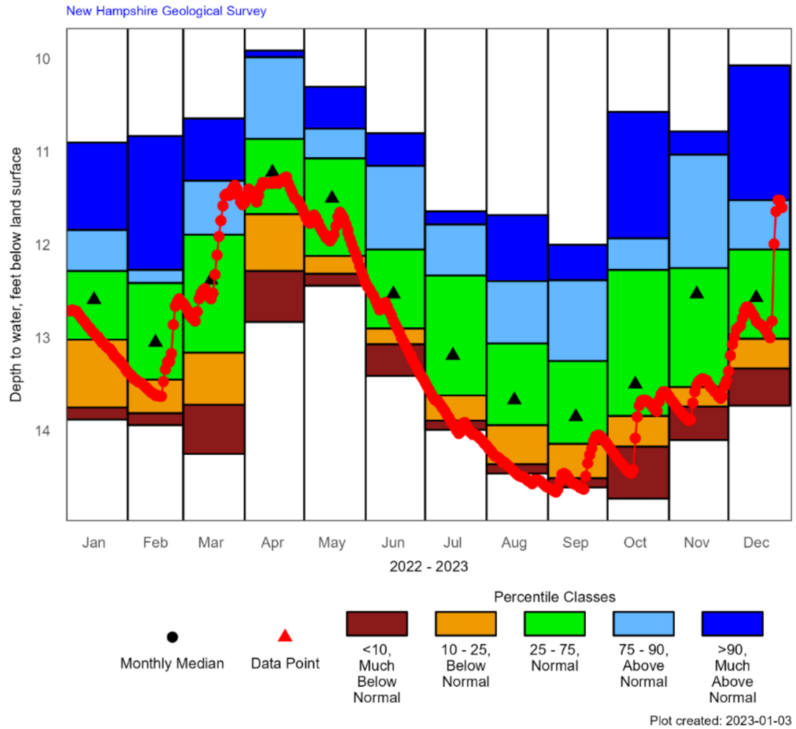
New Hampshire Geological Survey



Plot created: 2023-01-03

CBW-34: Campton, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for CBW-34

Depth to water, feet below land surface

Most recent depth to water in CBW-34: 11.6 feet on 2022-12-28

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	13.88	13.75	13.02	12.59	12.28	11.84	10.90	28
Feb	13.94	13.81	13.45	13.05	12.41	12.27	10.83	26
Mar	14.25	13.72	13.16	12.38	11.89	11.31	10.64	27
Apr	12.83	12.28	11.67	11.22	10.86	9.98	9.91	27
May	12.44	12.31	12.12	11.50	11.07	10.75	10.30	28
Jun	13.41	13.07	12.90	12.53	12.05	11.15	10.80	29
Jul	13.99	13.89	13.62	13.19	12.33	11.78	11.64	27
Aug	14.46	14.36	13.94	13.67	13.06	12.39	11.68	30
Sep	14.61	14.51	14.14	13.85	13.25	12.38	12.00	28
Oct	14.73	14.17	13.84	13.50	12.27	11.93	10.57	28
Nov	14.10	13.74	13.53	12.53	12.25	11.03	10.78	29
Dec	13.73	13.33	13.01	12.57	12.05	11.52	10.07	28

Table created: 2023-01-03

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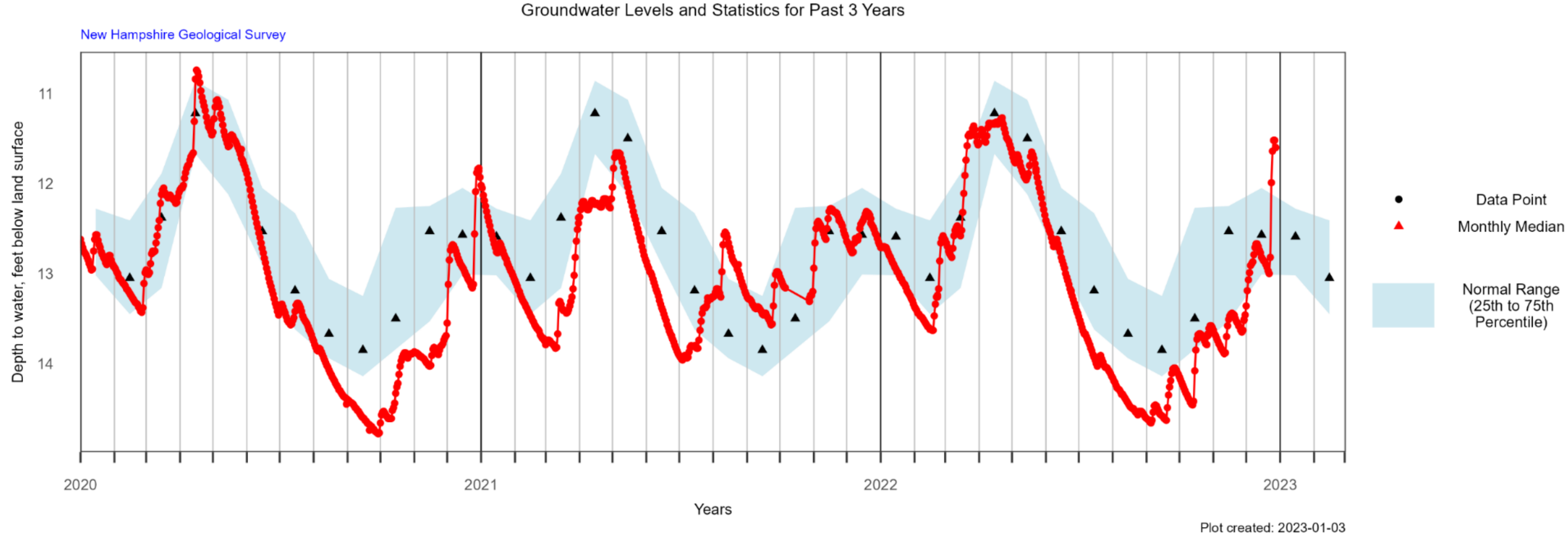
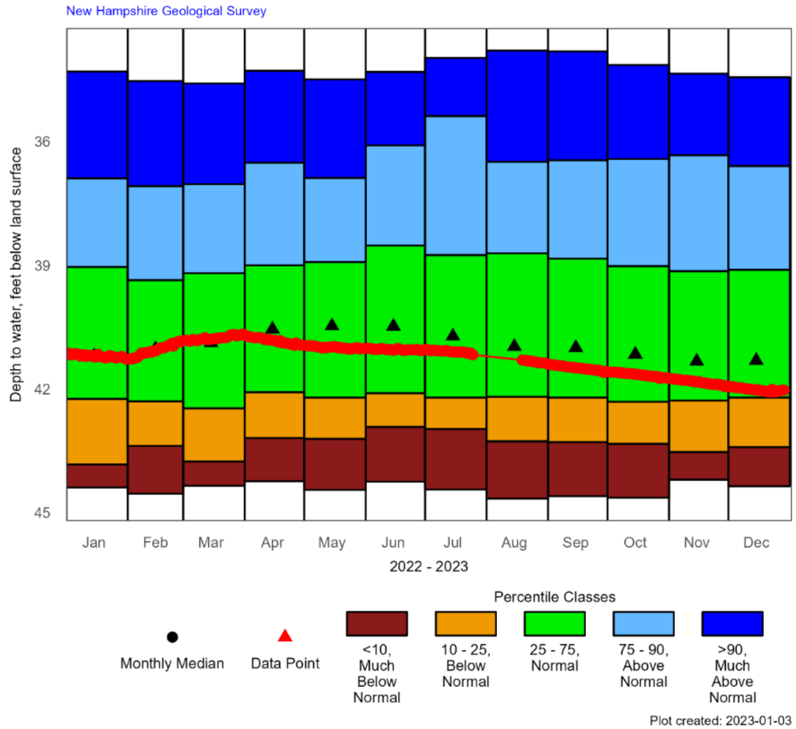
CBW-34: Campton, NH Overburden Well

Groundwater Levels and Statistics for Past 3 Years



CVW-02R: Concord, NH Overburden Well, Deep Couplet Member Replacement

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for CVW-02R

Depth to water, feet below land surface

Most recent depth to water in CVW-02R: 42.03 feet on 2022-12-29

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	44.39	43.83	42.24	41.20	39.04	36.89	34.30	56
Feb	44.54	43.38	42.30	41.03	39.36	37.08	34.53	54
Mar	44.35	43.76	42.47	40.88	39.19	37.03	34.59	55
Apr	44.24	43.19	42.08	40.55	39.00	36.51	34.28	55
May	44.45	43.21	42.21	40.47	38.92	36.88	34.49	53
Jun	44.25	42.92	42.10	40.48	38.52	36.09	34.31	53
Jul	44.44	42.97	42.21	40.72	38.75	35.38	33.97	54
Aug	44.66	43.27	42.19	40.97	38.71	36.49	33.79	57
Sep	44.60	43.29	42.21	41.00	38.84	36.45	33.81	56
Oct	44.64	43.33	42.31	41.16	39.02	36.42	34.14	57
Nov	44.20	43.53	42.28	41.33	39.14	36.33	34.35	55
Dec	44.36	43.41	42.21	41.31	39.11	36.59	34.44	56

Table created: 2023-01-03

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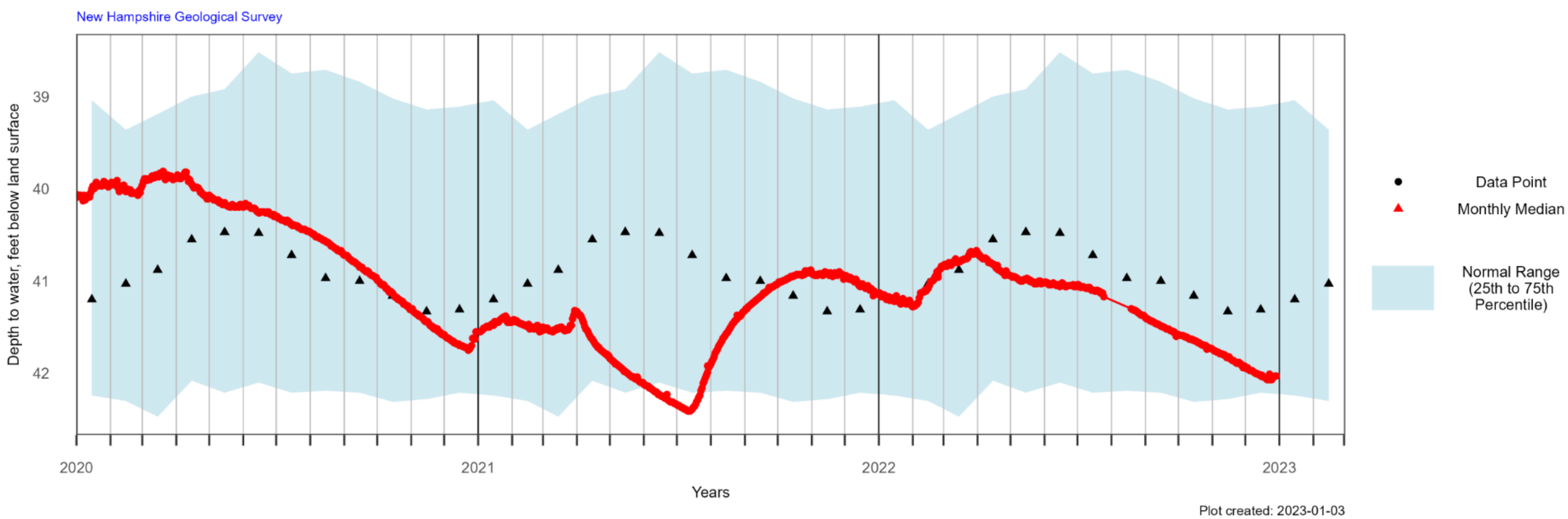
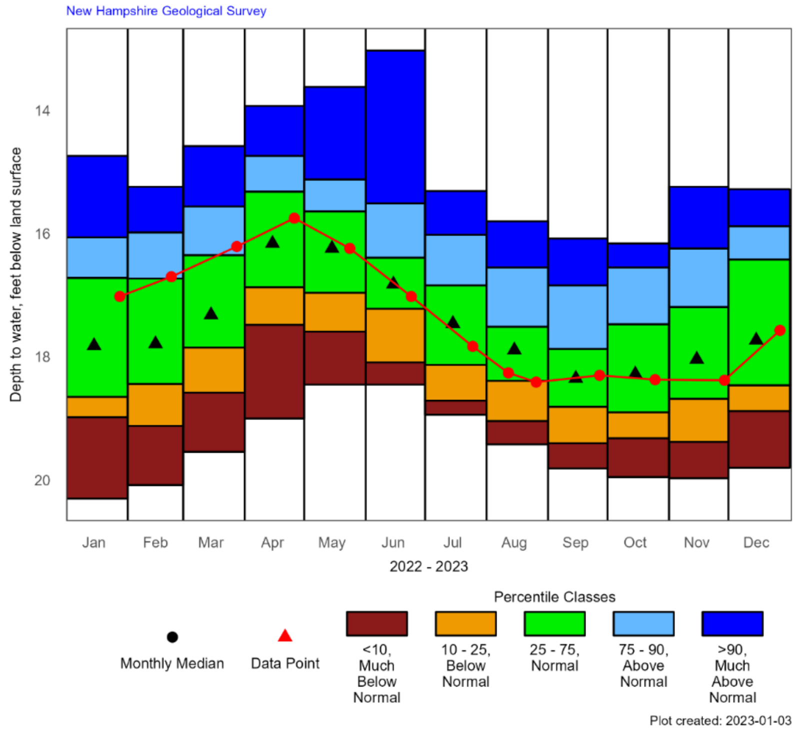
CVW-02R: Concord, NH Overburden Well, Deep Couplet Member Replacement

Groundwater Levels and Statistics for Past 3 Years



CVW-04: Concord, NH Overburden Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for CVW-04

Depth to water, feet below land surface

Most recent depth to water in CVW-04: 17.57 feet on 2022-12-27

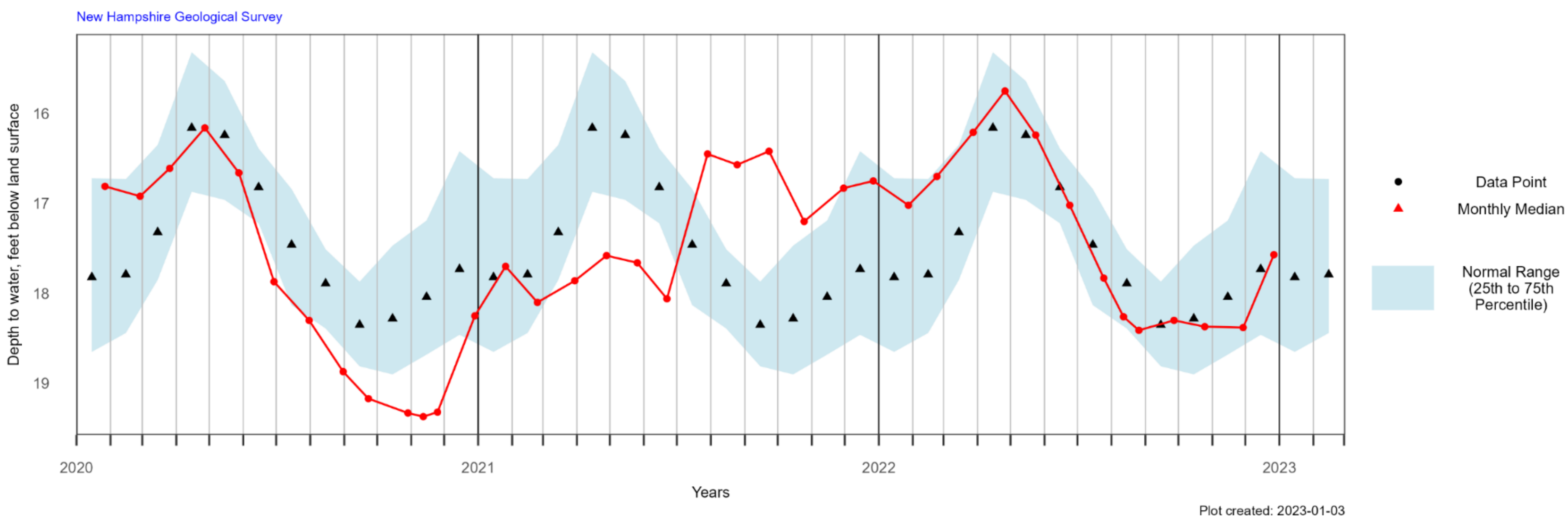
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	20.30	18.98	18.65	17.82	16.72	16.06	14.74	56
Feb	20.08	19.12	18.44	17.79	16.73	15.98	15.24	54
Mar	19.54	18.58	17.85	17.32	16.35	15.56	14.58	56
Apr	19.00	17.48	16.87	16.16	15.32	14.74	13.93	56
May	18.45	17.59	16.96	16.24	15.64	15.12	13.62	54
Jun	18.45	18.09	17.22	16.82	16.39	15.51	13.03	55
Jul	18.94	18.71	18.13	17.46	16.84	16.02	15.31	54
Aug	19.42	19.04	18.39	17.89	17.51	16.55	15.80	56
Sep	19.81	19.40	18.81	18.35	17.87	16.84	16.08	54
Oct	19.95	19.32	18.90	18.28	17.47	16.55	16.16	56
Nov	19.97	19.38	18.68	18.04	17.19	16.24	15.24	57
Dec	19.80	18.88	18.46	17.73	16.42	15.88	15.28	56

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

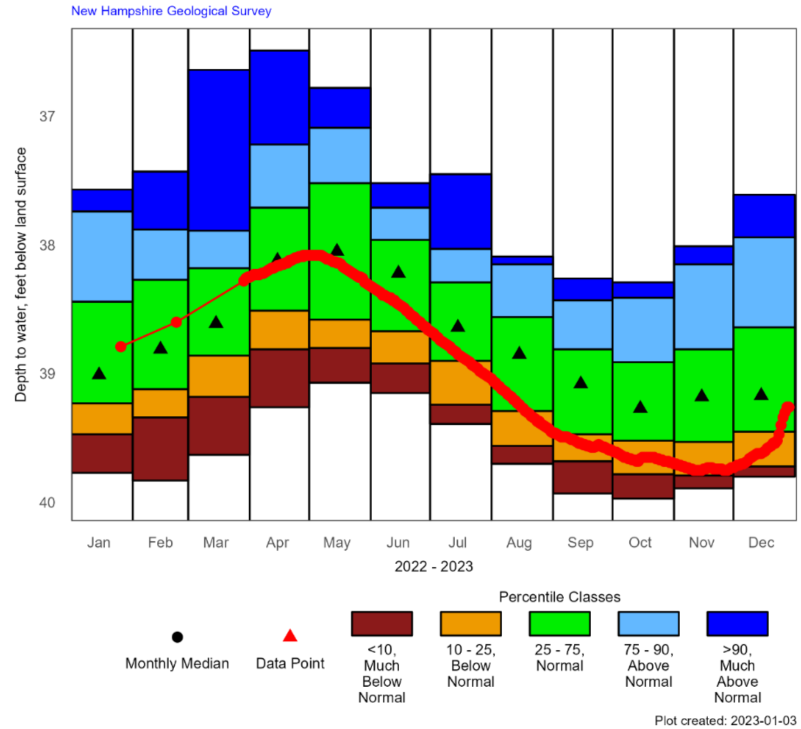
CVW-04: Concord, NH Overburden Well, Shallow Couplet Member

Groundwater Levels and Statistics for Past 3 Years



DDW-46: Deerfield, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for DDW-46
Depth to water, feet below land surface
Most recent depth to water in DDW-46: 39.26 feet on 2022-12-29

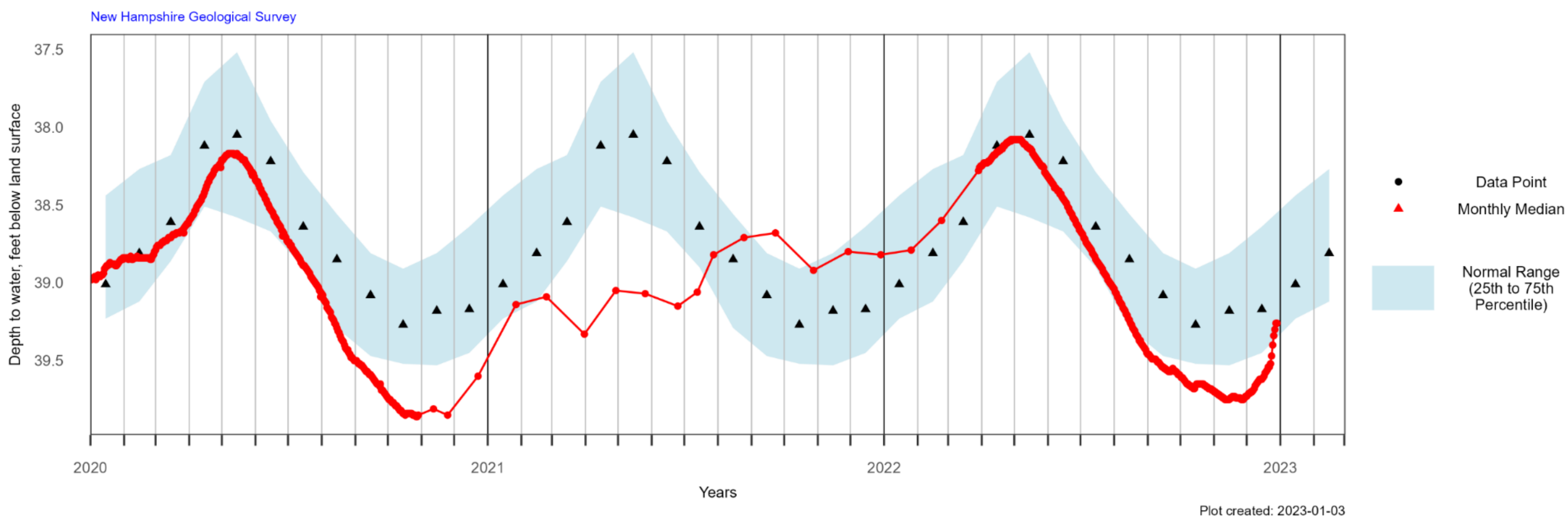
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	39.77	39.47	39.23	39.01	38.44	37.74	37.57	29
Feb	39.83	39.34	39.12	38.81	38.27	37.88	37.43	28
Mar	39.63	39.18	38.86	38.61	38.18	37.89	36.64	27
Apr	39.26	38.81	38.51	38.12	37.71	37.22	36.49	31
May	39.07	38.80	38.58	38.05	37.52	37.09	36.78	28
Jun	39.15	38.92	38.67	38.22	37.96	37.71	37.52	27
Jul	39.39	39.24	38.90	38.64	38.29	38.03	37.45	29
Aug	39.70	39.56	39.29	38.85	38.56	38.15	38.09	28
Sep	39.93	39.68	39.47	39.08	38.81	38.43	38.26	28
Oct	39.97	39.78	39.52	39.27	38.91	38.41	38.29	27
Nov	39.89	39.79	39.53	39.18	38.81	38.15	38.01	30
Dec	39.80	39.72	39.45	39.17	38.64	37.94	37.61	30

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

DDW-46: Deerfield, NH Overburden Well

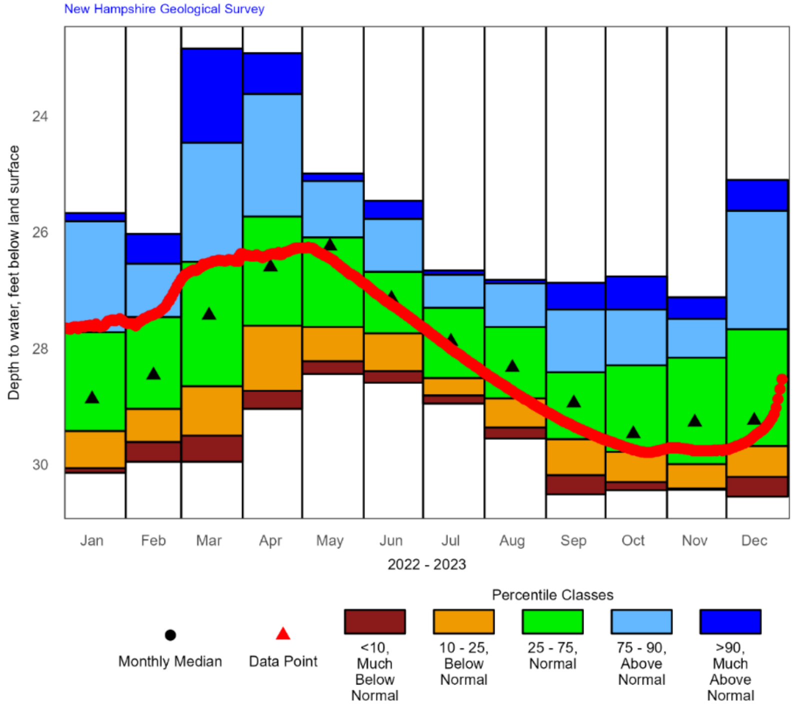
Groundwater Levels and Statistics for Past 3 Years



EPW-90: Epping, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes

New Hampshire Geological Survey



Plot created: 2023-01-03

Period of Record Monthly Statistics for EPW-90

Depth to water, feet below land surface

Most recent depth to water in EPW-90: 28.53 feet on 2022-12-29

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	30.14	30.06	29.42	28.87	27.72	25.81	25.67	16
Feb	29.95	29.61	29.04	28.46	27.46	26.54	26.03	16
Mar	29.95	29.50	28.65	27.43	26.51	24.46	22.84	15
Apr	29.04	28.73	27.61	26.60	25.73	23.62	22.92	15
May	28.44	28.22	27.63	26.24	26.09	25.12	24.99	15
Jun	28.59	28.39	27.74	27.14	26.68	25.77	25.46	16
Jul	28.95	28.81	28.51	27.88	27.30	26.73	26.66	15
Aug	29.55	29.36	28.86	28.33	27.63	26.88	26.82	14
Sep	30.51	30.18	29.56	28.94	28.41	27.33	26.87	16
Oct	30.44	30.30	29.78	29.47	28.29	27.33	26.76	14
Nov	30.43	30.41	29.99	29.27	28.16	27.49	27.12	16
Dec	30.55	30.21	29.68	29.24	27.67	25.63	25.10	16

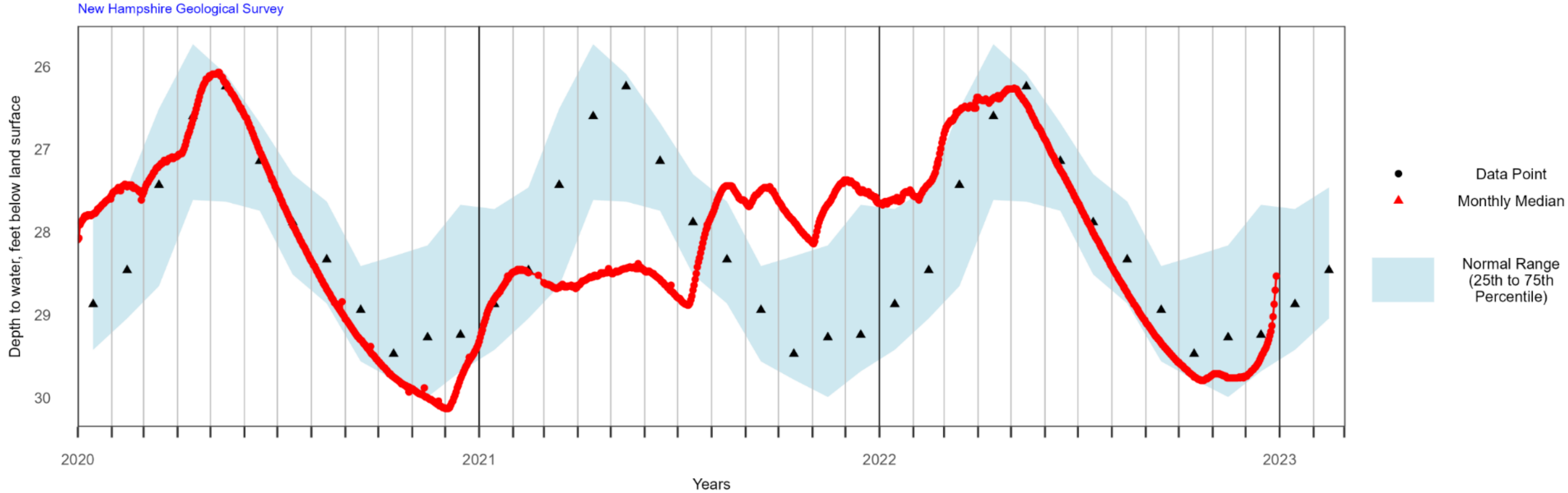
Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

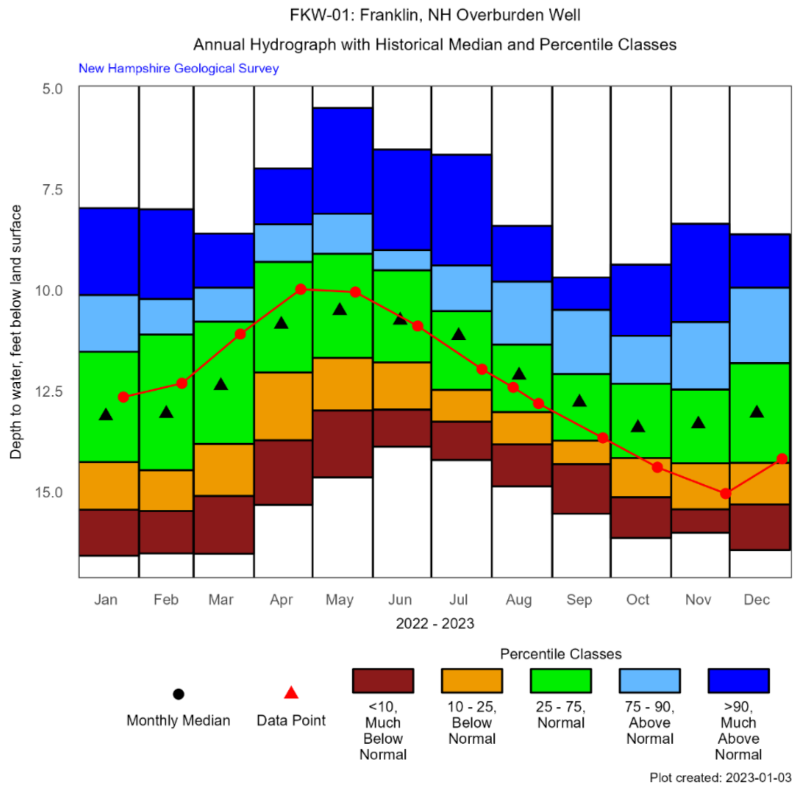
EPW-90: Epping, NH Overburden Well

Groundwater Levels and Statistics for Past 3 Years

New Hampshire Geological Survey



Plot created: 2023-01-03

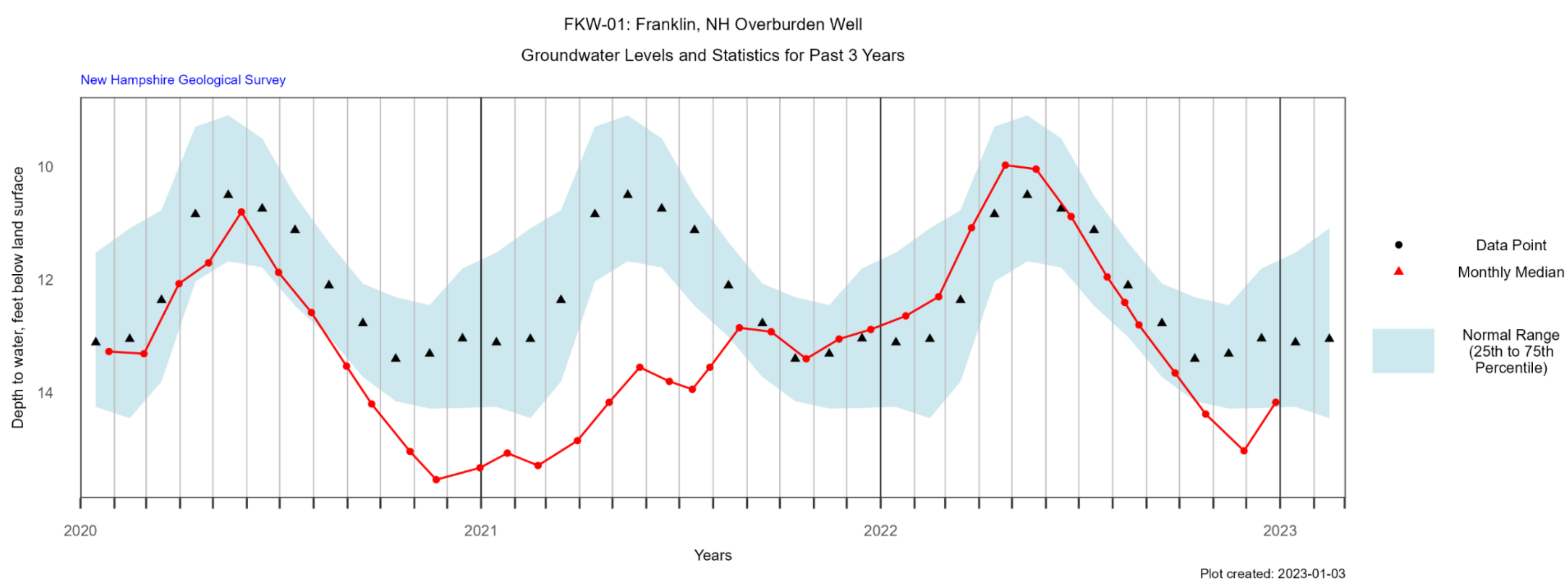


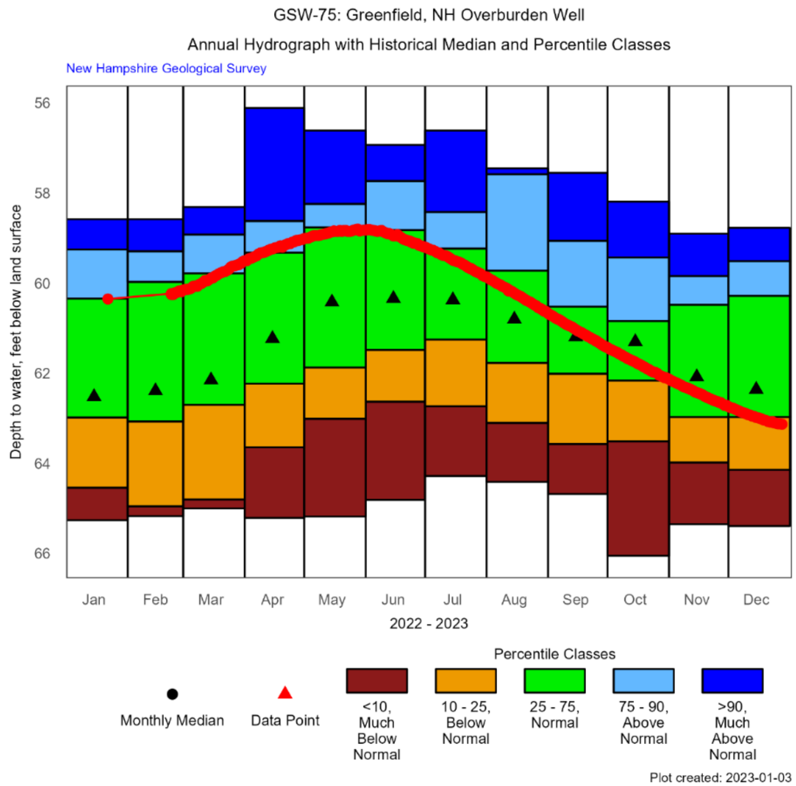
Period of Record Monthly Statistics for FKW-01
Depth to water, feet below land surface
Most recent depth to water in FKW-01: 14.17 feet on 2022-12-28

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	16.57	15.43	14.25	13.11	11.52	10.11	7.96	53
Feb	16.51	15.46	14.45	13.05	11.09	10.21	7.99	50
Mar	16.52	15.09	13.80	12.36	10.77	9.93	8.59	54
Apr	15.31	13.71	12.03	10.84	9.29	8.36	6.98	56
May	14.63	12.97	11.67	10.50	9.09	8.10	5.48	54
Jun	13.87	12.95	11.78	10.74	9.50	9.00	6.51	54
Jul	14.20	13.25	12.46	11.12	10.51	9.38	6.64	54
Aug	14.85	13.81	13.01	12.10	11.34	9.78	8.40	55
Sep	15.53	14.30	13.72	12.77	12.07	10.48	9.68	54
Oct	16.13	15.12	14.15	13.40	12.31	11.12	9.36	55
Nov	16.00	15.42	14.28	13.31	12.45	10.78	8.35	55
Dec	16.43	15.30	14.27	13.04	11.80	9.93	8.61	52

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS





Period of Record Monthly Statistics for GSW-75

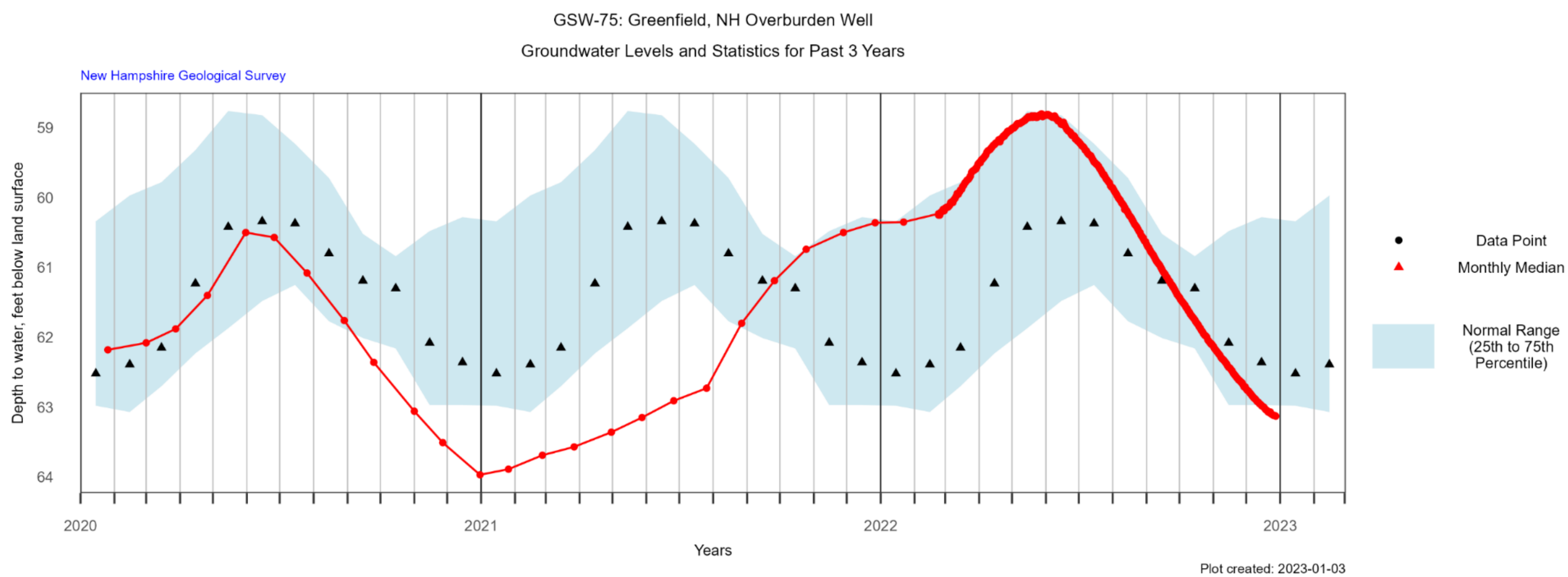
Depth to water, feet below land surface

Most recent depth to water in GSW-75: 63.13 feet on 2022-12-28

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	65.26	64.54	62.98	62.52	60.34	59.25	58.58	26
Feb	65.17	64.95	63.07	62.39	59.97	59.29	58.58	21
Mar	65.00	64.80	62.70	62.15	59.78	58.92	58.31	26
Apr	65.21	63.64	62.23	61.23	59.32	58.62	56.11	24
May	65.18	63.01	61.87	60.42	58.76	58.24	56.61	22
Jun	64.81	62.63	61.48	60.34	58.82	57.73	56.93	24
Jul	64.28	62.73	61.25	60.37	59.23	58.42	56.61	28
Aug	64.41	63.10	61.77	60.80	59.72	57.58	57.45	26
Sep	64.68	63.57	62.01	61.19	60.52	59.06	57.55	25
Oct	66.05	63.51	62.16	61.30	60.84	59.43	58.19	25
Nov	65.35	63.98	62.97	62.08	60.48	59.84	58.90	26
Dec	65.39	64.14	62.97	62.36	60.28	59.51	58.77	27

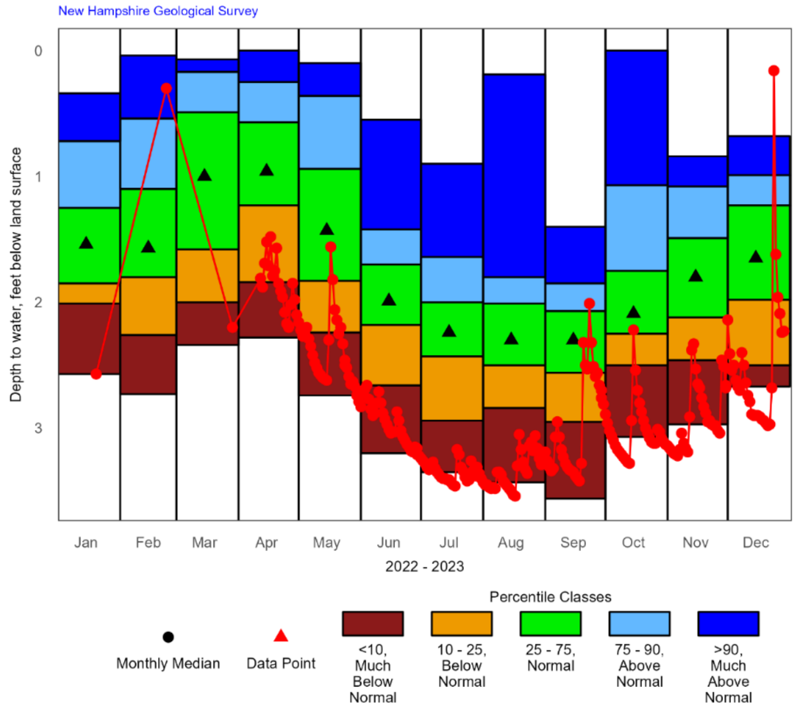
Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS



LCW-1: Lancaster, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes



Plot created: 2023-01-03

Period of Record Monthly Statistics for LCW-1

Depth to water, feet below land surface

Most recent depth to water in LCW-1: 2.23 feet on 2022-12-29

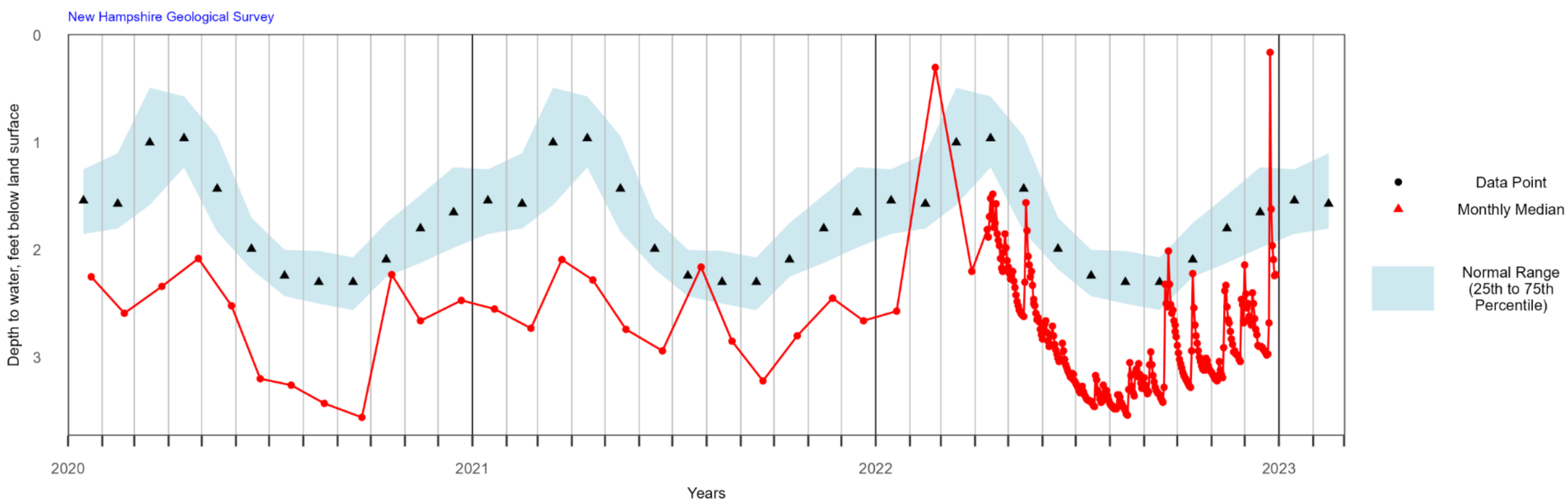
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	2.57	2.01	1.85	1.54	1.25	0.72	0.34	44
Feb	2.73	2.26	1.80	1.57	1.10	0.54	0.04	42
Mar	2.34	2.00	1.58	1.00	0.49	0.17	0.07	39
Apr	2.28	1.84	1.23	0.96	0.57	0.25	0.00	53
May	2.74	2.24	1.83	1.43	0.94	0.36	0.10	53
Jun	3.20	2.66	2.18	1.99	1.70	1.42	0.55	53
Jul	3.35	2.94	2.43	2.24	2.00	1.64	0.90	51
Aug	3.43	2.84	2.50	2.30	2.01	1.80	0.19	52
Sep	3.56	2.95	2.56	2.30	2.07	1.85	1.40	52
Oct	3.07	2.50	2.25	2.09	1.75	1.07	0.00	50
Nov	2.97	2.46	2.12	1.80	1.49	1.08	0.84	54
Dec	2.67	2.50	1.98	1.65	1.23	0.99	0.68	47

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

LCW-1: Lancaster, NH Overburden Well

Groundwater Levels and Statistics for Past 3 Years

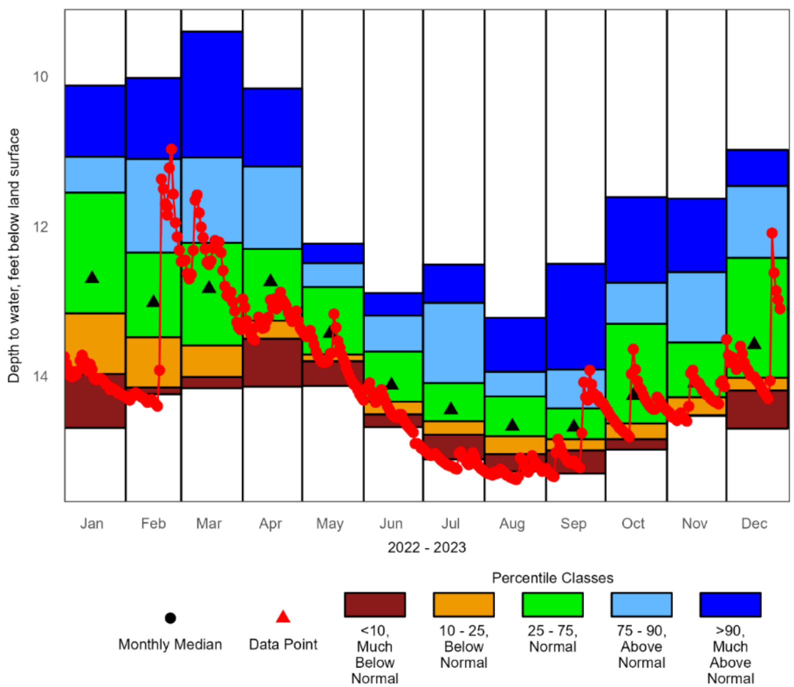


Plot created: 2023-01-03

LLW-19: Lisbon, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes

New Hampshire Geological Survey



Plot created: 2023-01-03

Period of Record Monthly Statistics for LLW-19

Depth to water, feet below land surface

Most recent depth to water in LLW-19: 13.1 feet on 2022-12-28

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	14.69	13.97	13.16	12.70	11.55	11.07	10.12	28
Feb	14.24	14.15	13.48	13.02	12.35	11.10	10.02	26
Mar	14.16	14.01	13.59	12.83	12.22	11.08	9.40	27
Apr	14.14	13.50	13.26	12.74	12.30	11.20	10.16	28
May	14.13	13.80	13.71	13.43	12.81	12.49	12.23	28
Jun	14.68	14.51	14.34	14.12	13.67	13.19	12.89	28
Jul	15.11	14.78	14.60	14.45	14.09	13.02	12.51	29
Aug	15.27	15.04	14.80	14.67	14.27	13.94	13.22	29
Sep	15.30	14.99	14.84	14.68	14.43	13.91	12.50	29
Oct	14.98	14.84	14.63	14.26	13.30	12.75	11.61	29
Nov	14.53	14.52	14.28	14.09	13.55	12.61	11.63	28
Dec	14.70	14.19	14.02	13.58	12.42	11.46	10.98	29

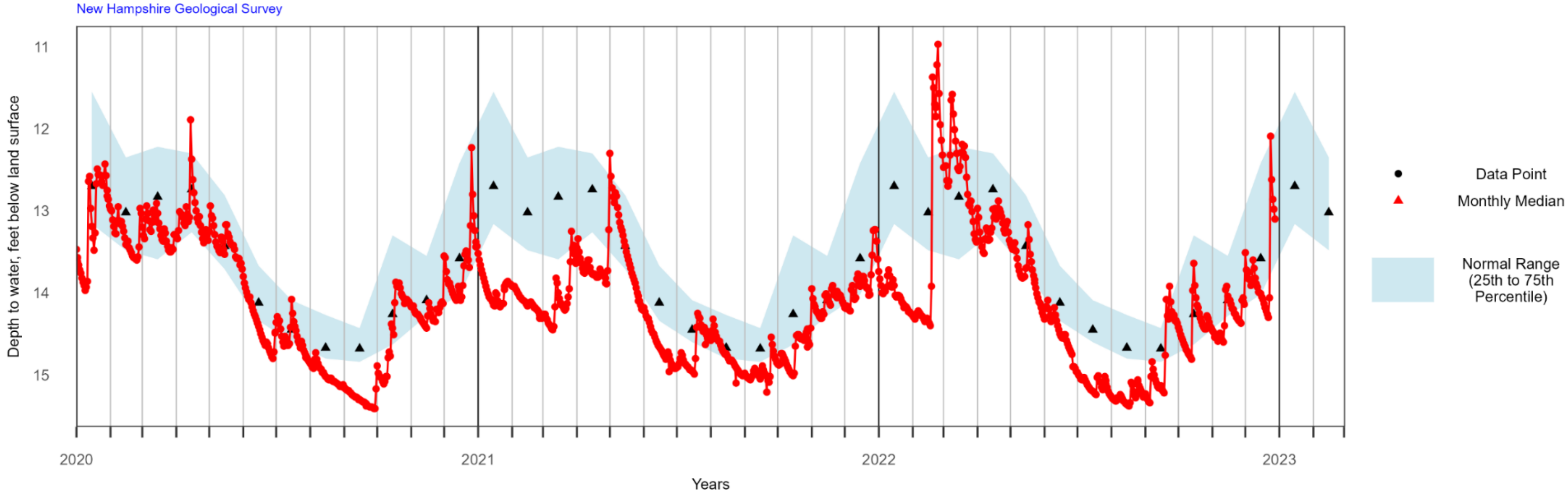
Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

LLW-19: Lisbon, NH Overburden Well

Groundwater Levels and Statistics for Past 3 Years

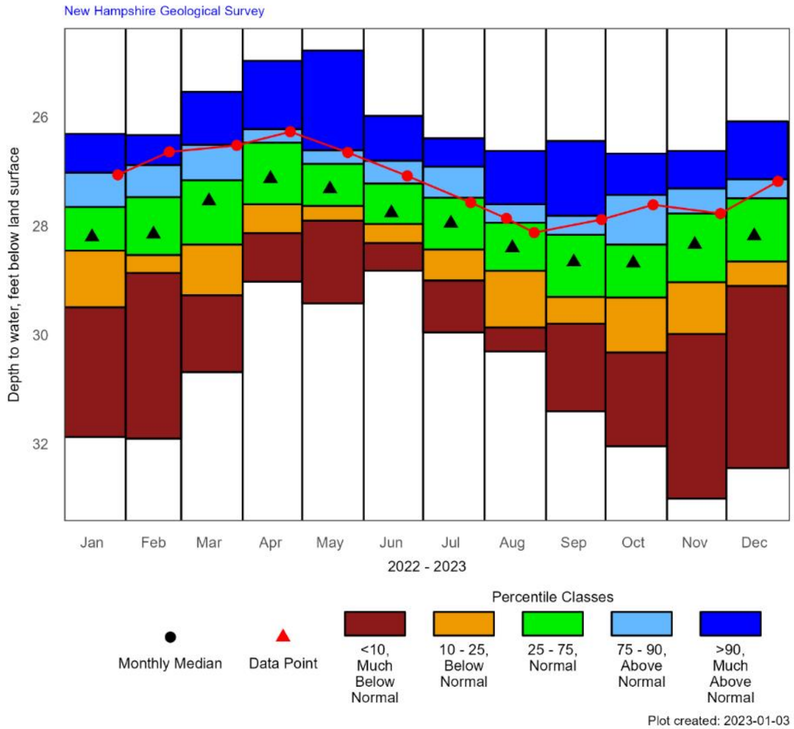
New Hampshire Geological Survey



Plot created: 2023-01-03

NAW-218: Nashua, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for NAW-218

Depth to water, feet below land surface

Most recent depth to water in NAW-218: 27.18 feet on 2022-12-27

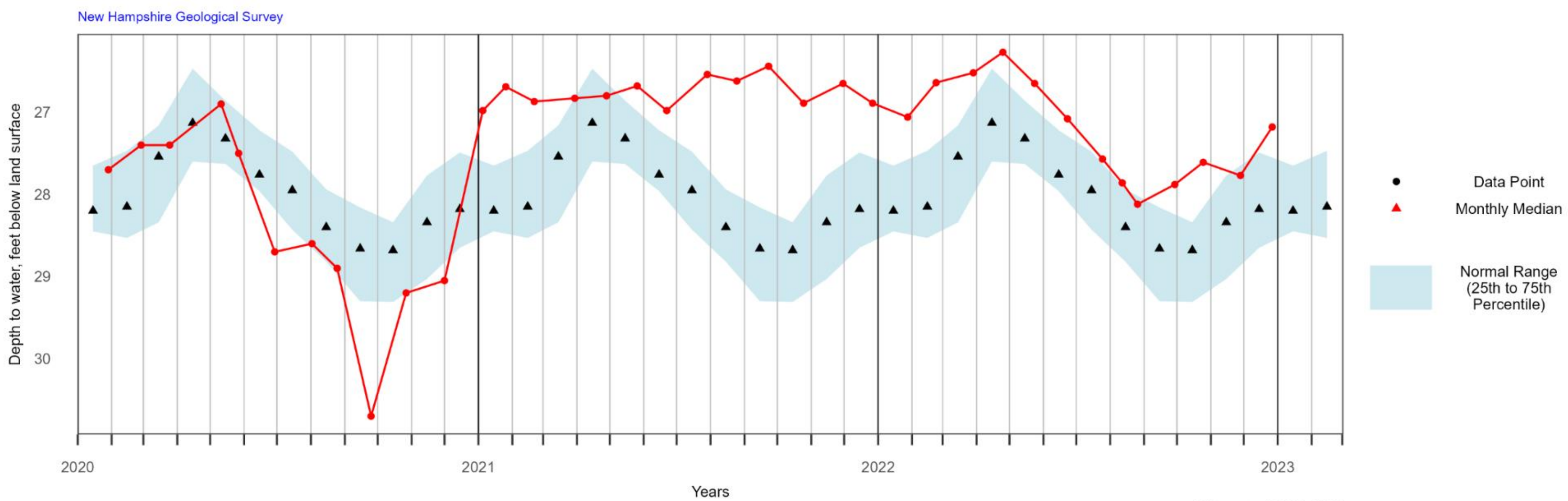
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	31.87	29.49	28.45	28.20	27.65	27.02	26.31	53
Feb	31.90	28.86	28.53	28.15	27.47	26.88	26.33	56
Mar	30.68	29.27	28.34	27.54	27.16	26.51	25.54	55
Apr	29.02	28.13	27.60	27.13	26.47	26.22	24.97	52
May	29.42	27.90	27.63	27.32	26.86	26.61	24.78	53
Jun	28.82	28.31	27.96	27.76	27.22	26.80	25.98	54
Jul	29.95	29.00	28.43	27.95	27.48	26.91	26.39	54
Aug	30.30	29.86	28.82	28.40	27.94	27.60	26.62	54
Sep	31.40	29.79	29.30	28.66	28.16	27.81	26.44	55
Oct	32.04	30.32	29.31	28.68	28.34	27.43	26.67	55
Nov	33.00	29.98	29.03	28.34	27.77	27.31	26.62	55
Dec	32.44	29.10	28.65	28.18	27.49	27.14	26.08	55

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

NAW-218: Nashua, NH Overburden Well

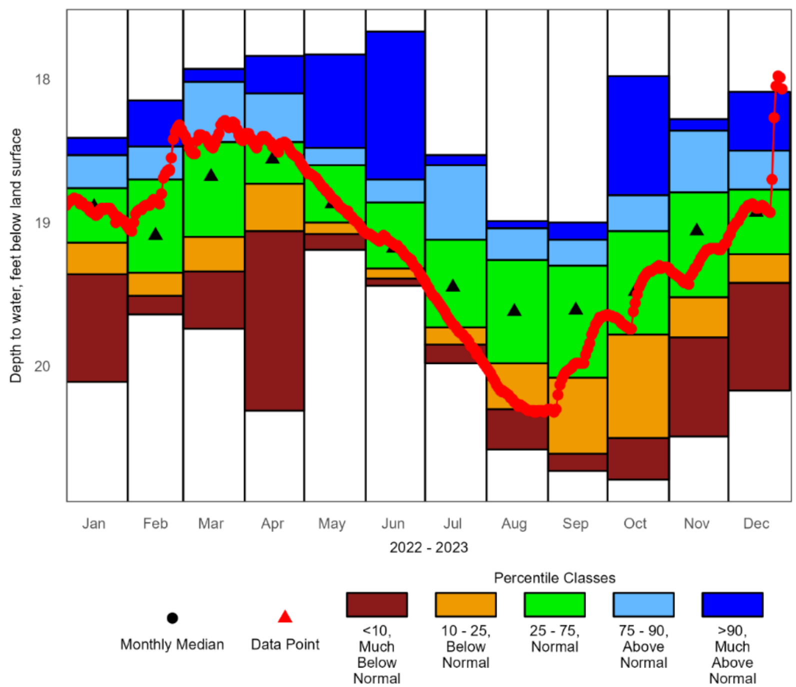
Groundwater Levels and Statistics for Past 3 Years



NFW-53: New Durham, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes

New Hampshire Geological Survey



Plot created: 2023-01-03

Period of Record Monthly Statistics for NFW-53

Depth to water, feet below land surface

Most recent depth to water in NFW-53: 18.07 feet on 2022-12-28

Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	20.11	19.36	19.14	18.89	18.76	18.53	18.41	27
Feb	19.64	19.51	19.35	19.09	18.70	18.47	18.15	28
Mar	19.74	19.34	19.10	18.68	18.44	18.02	17.93	29
Apr	20.31	19.06	18.73	18.56	18.44	18.10	17.84	29
May	19.19	19.08	19.00	18.87	18.60	18.48	17.83	28
Jun	19.44	19.39	19.32	19.18	18.86	18.70	17.67	27
Jul	19.98	19.85	19.73	19.45	19.12	18.60	18.53	27
Aug	20.58	20.30	19.98	19.62	19.26	19.04	18.99	28
Sep	20.73	20.61	20.08	19.61	19.30	19.12	19.00	28
Oct	20.79	20.50	19.78	19.48	19.06	18.81	17.98	29
Nov	20.49	19.80	19.52	19.06	18.79	18.36	18.28	28
Dec	20.17	19.42	19.22	18.93	18.77	18.50	18.09	29

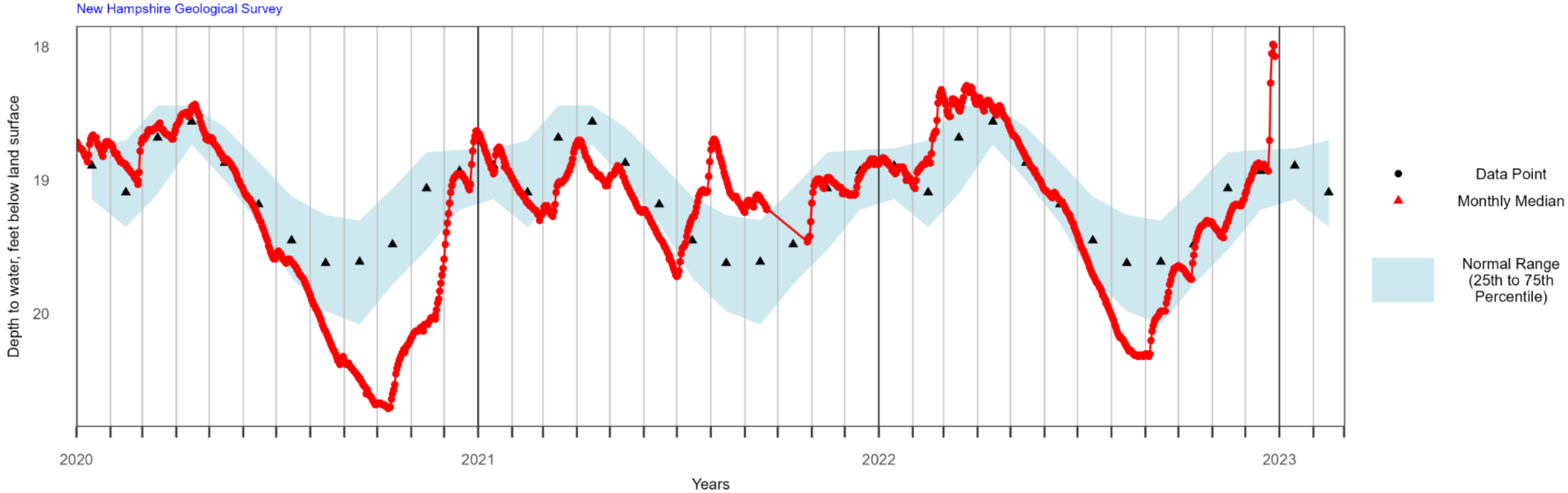
Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

NFW-53: New Durham, NH Overburden Well

Groundwater Levels and Statistics for Past 3 Years

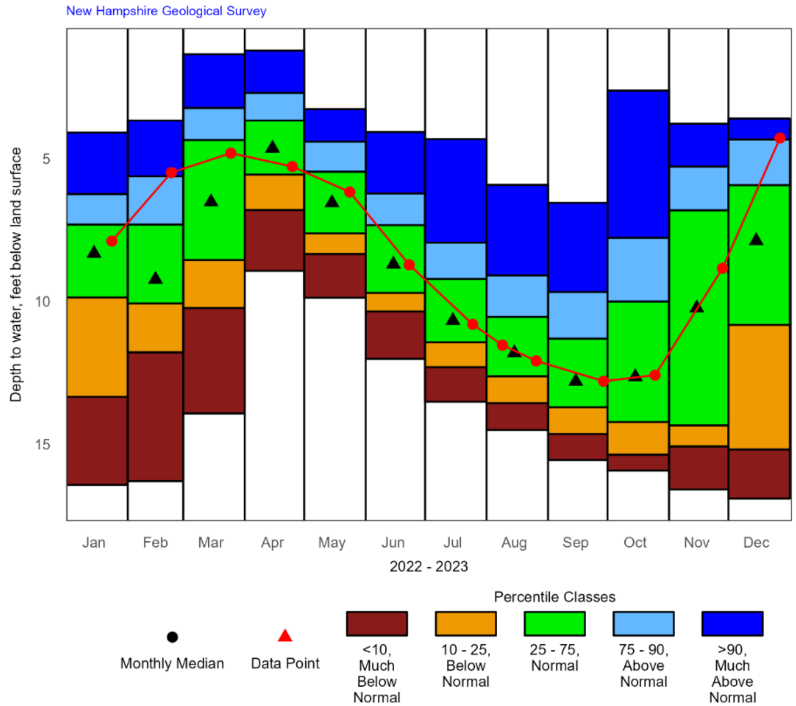
New Hampshire Geological Survey



Plot created: 2023-01-03

NLW-01: New London, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes



Plot created: 2023-01-03

Period of Record Monthly Statistics for NLW-01

Depth to water, feet below land surface

Most recent depth to water in NLW-01: 4.28 feet on 2022-12-27

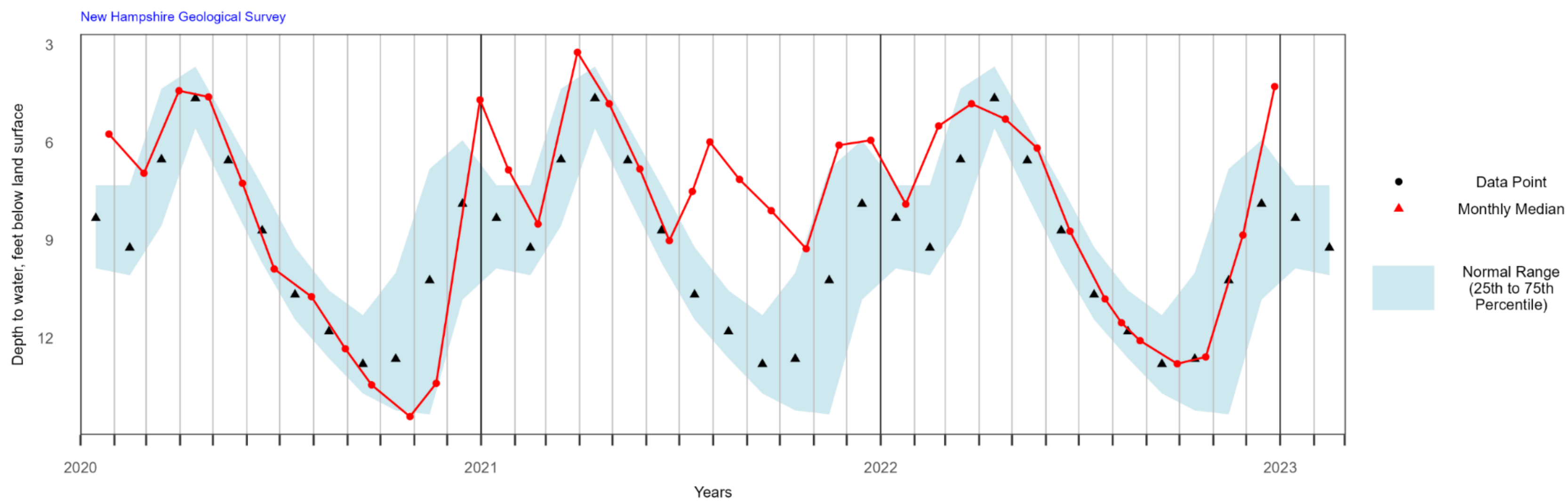
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	16.42	13.34	9.86	8.32	7.31	6.24	4.09	72
Feb	16.29	11.78	10.07	9.23	7.31	5.62	3.67	69
Mar	13.92	10.23	8.55	6.52	4.35	3.23	1.35	71
Apr	8.93	6.80	5.56	4.64	3.67	2.70	1.22	74
May	9.87	8.34	7.62	6.55	5.46	4.41	3.27	73
Jun	12.01	10.35	9.70	8.70	7.33	6.22	4.07	73
Jul	13.51	12.30	11.43	10.67	9.21	7.94	4.32	74
Aug	14.50	13.56	12.62	11.80	10.54	9.09	5.92	73
Sep	15.55	14.64	13.70	12.80	11.30	9.67	6.55	73
Oct	15.92	15.36	14.22	12.64	10.00	7.77	2.62	74
Nov	16.58	15.07	14.34	10.23	6.81	5.28	3.78	74
Dec	16.90	15.18	10.82	7.88	5.93	4.33	3.60	70

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

NLW-01: New London, NH Overburden Well

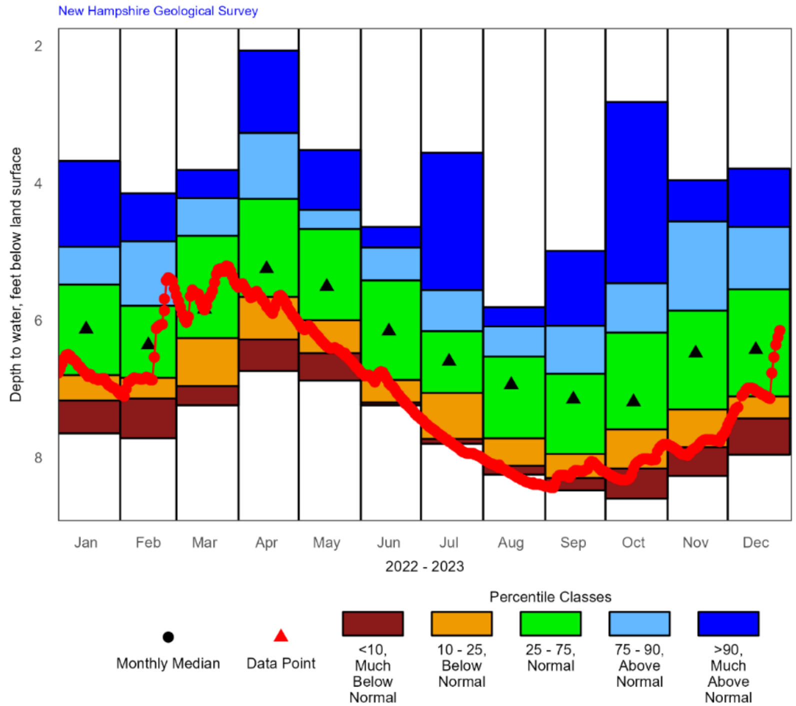
Groundwater Levels and Statistics for Past 3 Years



Plot created: 2023-01-03

NPW-03: Newport, NH Overburden Well, Deep Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Plot created: 2023-01-03

Period of Record Monthly Statistics for NPW-03

Depth to water, feet below land surface

Most recent depth to water in NPW-03: 6.15 feet on 2022-12-27

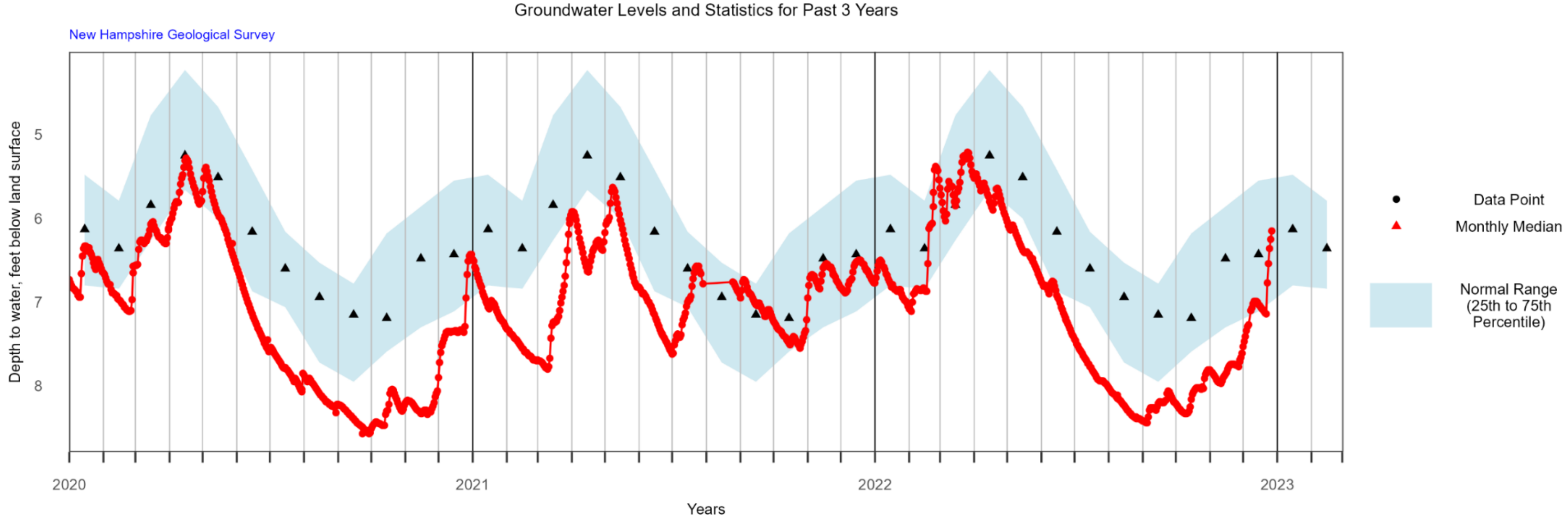
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	7.65	7.17	6.80	6.13	5.48	4.93	3.68	27
Feb	7.72	7.14	6.84	6.36	5.79	4.85	4.15	26
Mar	7.24	6.96	6.26	5.84	4.77	4.22	3.81	25
Apr	6.74	6.28	5.66	5.25	4.23	3.27	2.07	29
May	6.88	6.48	6.00	5.51	4.67	4.39	3.52	27
Jun	7.24	7.20	6.87	6.16	5.42	4.94	4.64	27
Jul	7.80	7.73	7.06	6.60	6.16	5.56	3.56	27
Aug	8.25	8.12	7.72	6.94	6.53	6.09	5.81	28
Sep	8.48	8.30	7.95	7.15	6.78	6.08	4.99	28
Oct	8.60	8.16	7.59	7.19	6.18	5.46	2.82	28
Nov	8.27	7.85	7.30	6.48	5.86	4.56	3.96	28
Dec	7.96	7.43	7.11	6.43	5.55	4.64	3.79	27

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

NPW-03: Newport, NH Overburden Well, Deep Couplet Member

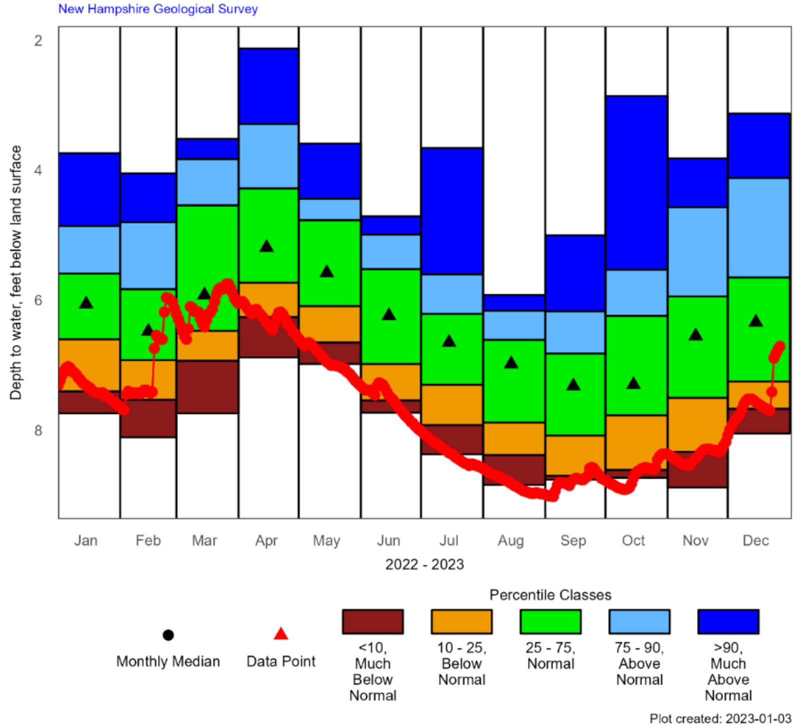
Groundwater Levels and Statistics for Past 3 Years



Plot created: 2023-01-03

NPW-06: Newport, NH Overburden Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for NPW-06

Depth to water, feet below land surface

Most recent depth to water in NPW-06: 6.71 feet on 2022-12-27

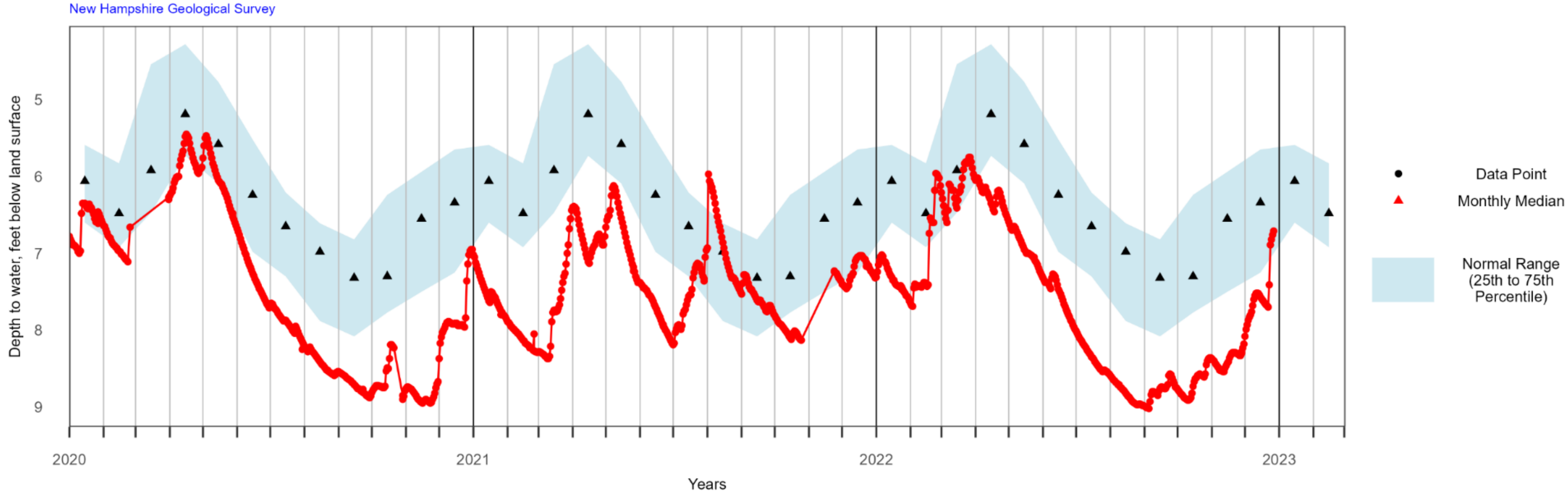
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	7.74	7.40	6.60	6.06	5.59	4.86	3.74	27
Feb	8.11	7.53	6.92	6.48	5.83	4.80	4.05	26
Mar	7.74	6.93	6.47	5.92	4.54	3.83	3.52	26
Apr	6.88	6.26	5.73	5.19	4.28	3.29	2.13	29
May	6.98	6.65	6.09	5.58	4.77	4.44	3.59	27
Jun	7.73	7.54	6.98	6.24	5.52	4.99	4.71	27
Jul	8.37	7.92	7.30	6.65	6.21	5.60	3.66	27
Aug	8.84	8.38	7.88	6.98	6.61	6.16	5.92	28
Sep	8.76	8.70	8.08	7.32	6.82	6.17	5.00	28
Oct	8.73	8.61	7.77	7.30	6.24	5.53	2.86	28
Nov	8.88	8.33	7.50	6.55	5.94	4.57	3.82	28
Dec	8.05	7.67	7.25	6.34	5.65	4.12	3.13	27

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

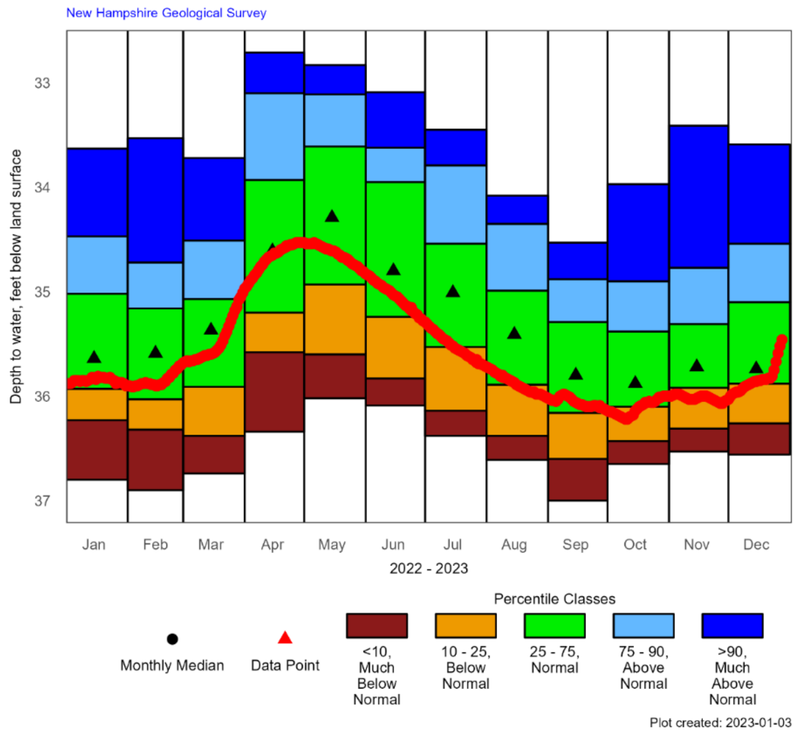
NPW-06: Newport, NH Overburden Well, Shallow Couplet Member

Groundwater Levels and Statistics for Past 3 Years



OXW-38: Ossipee, NH Overburden Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for OXW-38

Depth to water, feet below land surface

Most recent depth to water in OXW-38: 35.46 feet on 2022-12-28

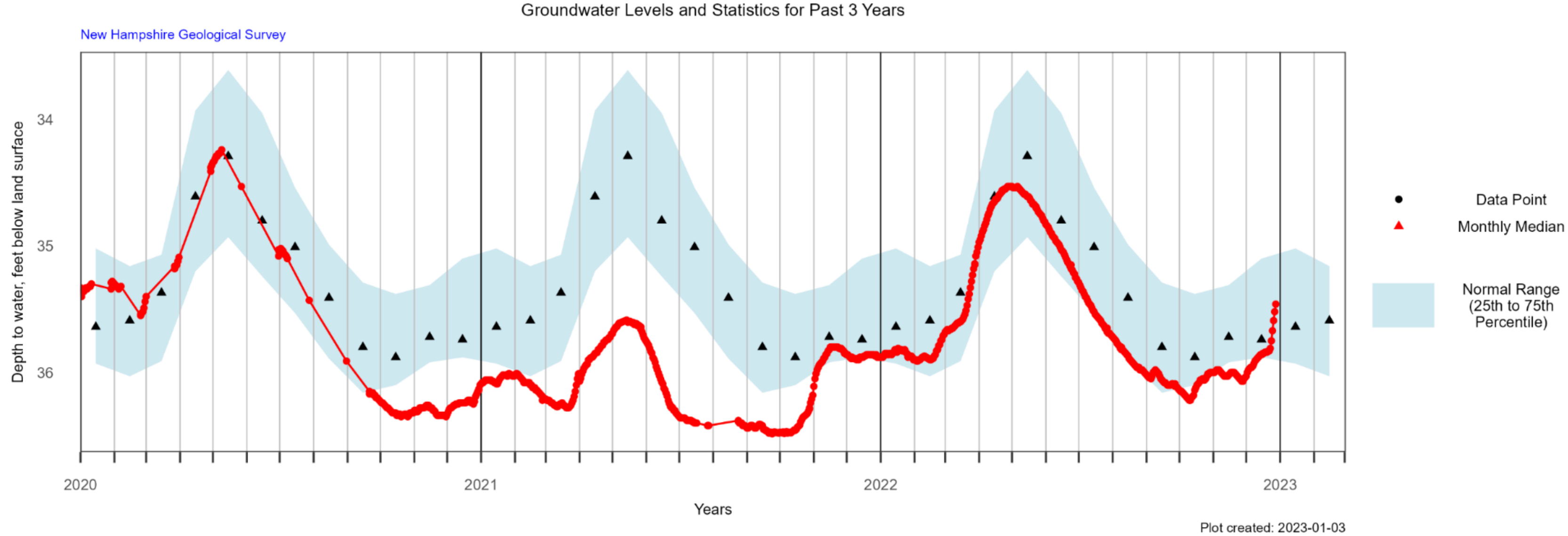
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	36.80	36.23	35.93	35.64	35.02	34.47	33.63	26
Feb	36.90	36.32	36.03	35.59	35.16	34.72	33.53	27
Mar	36.74	36.38	35.91	35.37	35.07	34.51	33.72	25
Apr	36.34	35.58	35.20	34.61	33.93	33.10	32.71	28
May	36.02	35.60	34.93	34.29	33.61	33.11	32.83	27
Jun	36.09	35.83	35.24	34.80	33.95	33.62	33.09	27
Jul	36.38	36.14	35.53	35.01	34.54	33.79	33.45	27
Aug	36.61	36.38	35.89	35.41	34.99	34.35	34.08	28
Sep	37.00	36.60	36.16	35.80	35.29	34.88	34.53	29
Oct	36.65	36.43	36.10	35.88	35.38	34.90	33.97	28
Nov	36.53	36.31	35.92	35.72	35.31	34.77	33.41	28
Dec	36.56	36.26	35.88	35.74	35.10	34.54	33.59	28

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

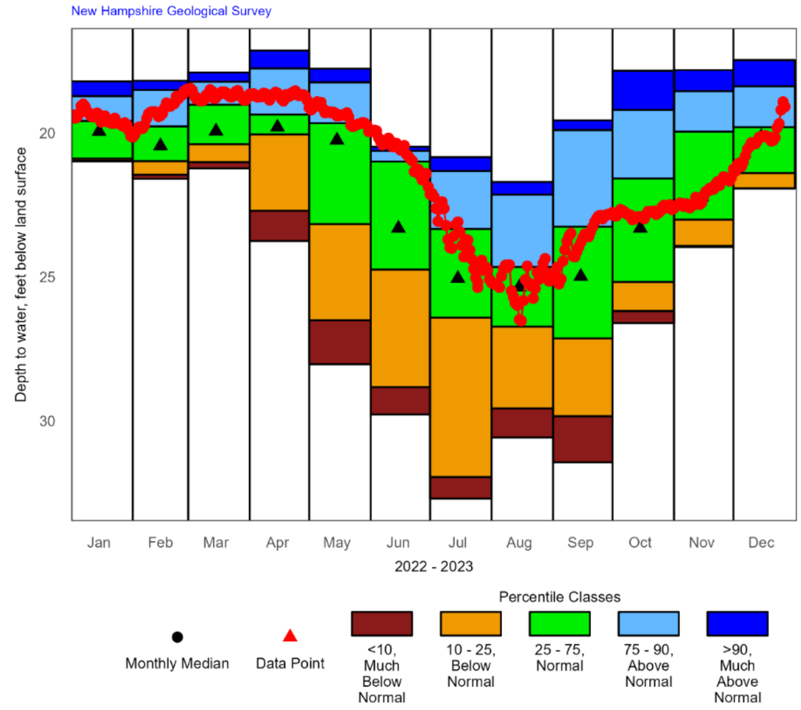
OXW-38: Ossipee, NH Overburden Well

Groundwater Levels and Statistics for Past 3 Years



CVWB-01: Concord, NH Bedrock Well, Deep Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Plot created: 2023-01-03

Period of Record Monthly Statistics for CVWB-01

Depth to water, feet below land surface

Most recent depth to water in CVWB-01: 19.09 feet on 2022-12-27

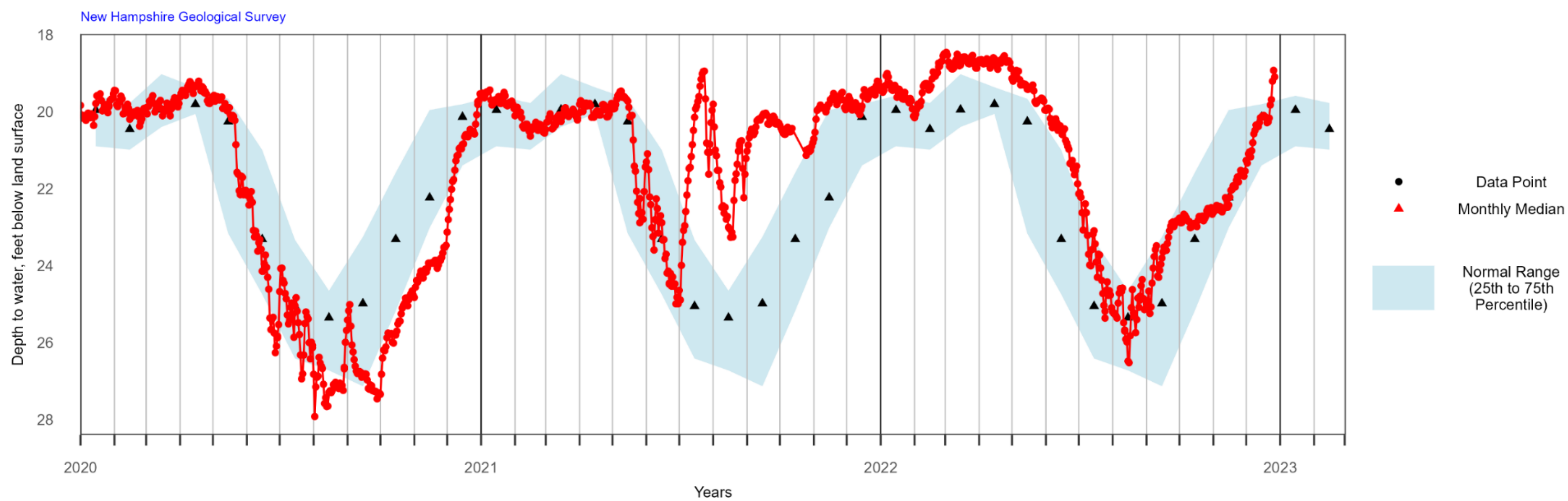
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	20.99	20.97	20.89	19.95	19.58	18.72	18.21	13
Feb	21.59	21.45	20.98	20.45	19.77	18.51	18.19	12
Mar	21.23	21.01	20.39	19.94	19.02	18.22	17.90	13
Apr	23.75	22.70	20.05	19.80	19.36	17.76	17.14	13
May	28.03	26.50	23.16	20.25	19.66	18.24	17.77	13
Jun	29.77	28.82	24.74	23.31	20.99	20.62	20.48	14
Jul	32.69	31.94	26.41	25.05	23.33	21.32	20.84	13
Aug	30.57	29.56	26.72	25.35	24.65	22.14	21.70	14
Sep	31.43	29.83	27.13	24.98	23.25	19.90	19.56	14
Oct	26.60	26.18	25.17	23.31	21.58	19.20	17.84	14
Nov	23.96	23.92	23.01	22.23	19.95	18.55	17.82	14
Dec	21.93	21.92	21.39	20.13	19.80	18.38	17.47	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

CVWB-01: Concord, NH Bedrock Well, Deep Couplet Member

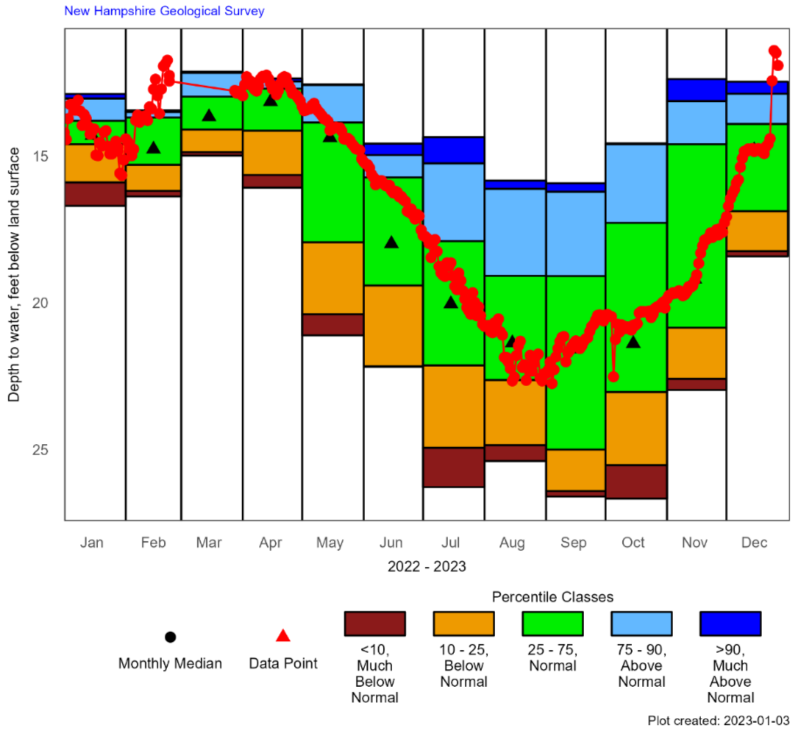
Groundwater Levels and Statistics for Past 3 Years



Plot created: 2023-01-03

CVWB-02: Concord, NH, Bedrock Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for CVWB-02

Depth to water, feet below land surface

Most recent depth to water in CVWB-02: 11.92 feet on 2022-12-27

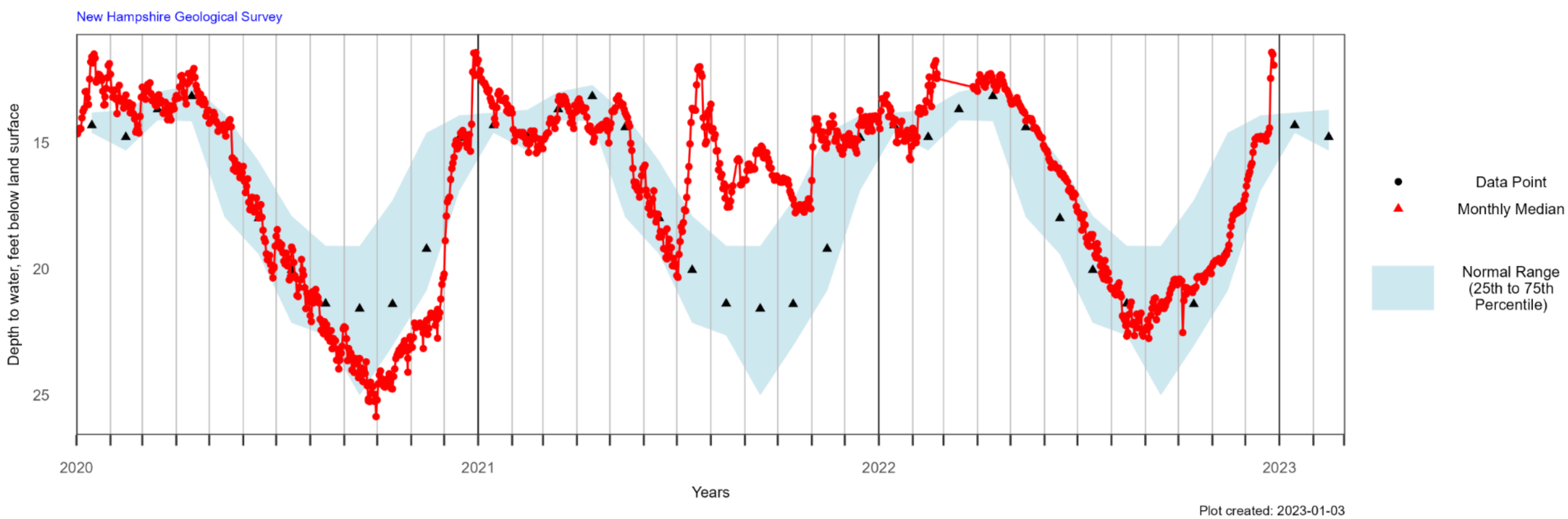
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	16.70	15.90	14.60	14.30	13.80	13.04	12.89	13
Feb	16.38	16.19	15.30	14.77	13.69	13.50	13.45	13
Mar	14.99	14.87	14.10	13.67	12.98	12.17	12.13	13
Apr	16.08	15.65	14.14	13.15	12.71	12.46	12.36	13
May	21.11	20.39	17.94	14.38	13.86	12.58	12.56	13
Jun	22.18	22.16	19.41	17.99	15.73	14.97	14.58	14
Jul	26.28	24.94	22.13	20.04	17.90	15.25	14.36	14
Aug	25.39	24.85	22.63	21.37	19.08	16.12	15.84	14
Sep	26.60	26.41	25.00	21.57	19.09	16.22	15.93	14
Oct	26.67	25.53	23.04	21.39	17.28	14.60	14.57	14
Nov	22.97	22.59	20.85	19.20	14.60	13.13	12.38	14
Dec	18.42	18.24	16.88	14.80	13.91	12.88	12.47	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

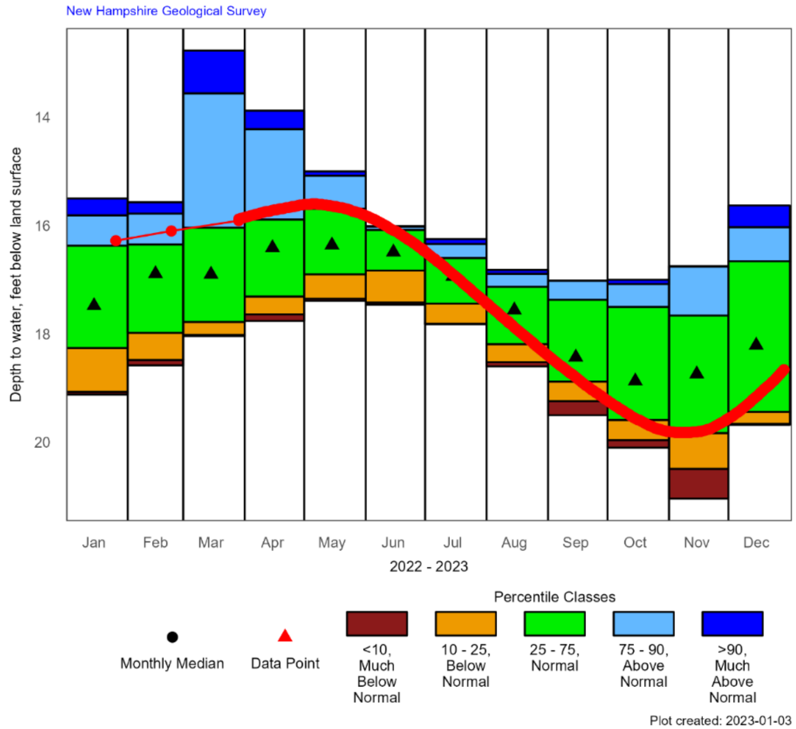
CVWB-02: Concord, NH, Bedrock Well, Shallow Couplet Member

Groundwater Levels and Statistics for Past 3 Years



DDWB-01: Deerfield, NH Bedrock Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for DDWB-01
Depth to water, feet below land surface
Most recent depth to water in DDWB-01: 18.66 feet on 2022-12-29

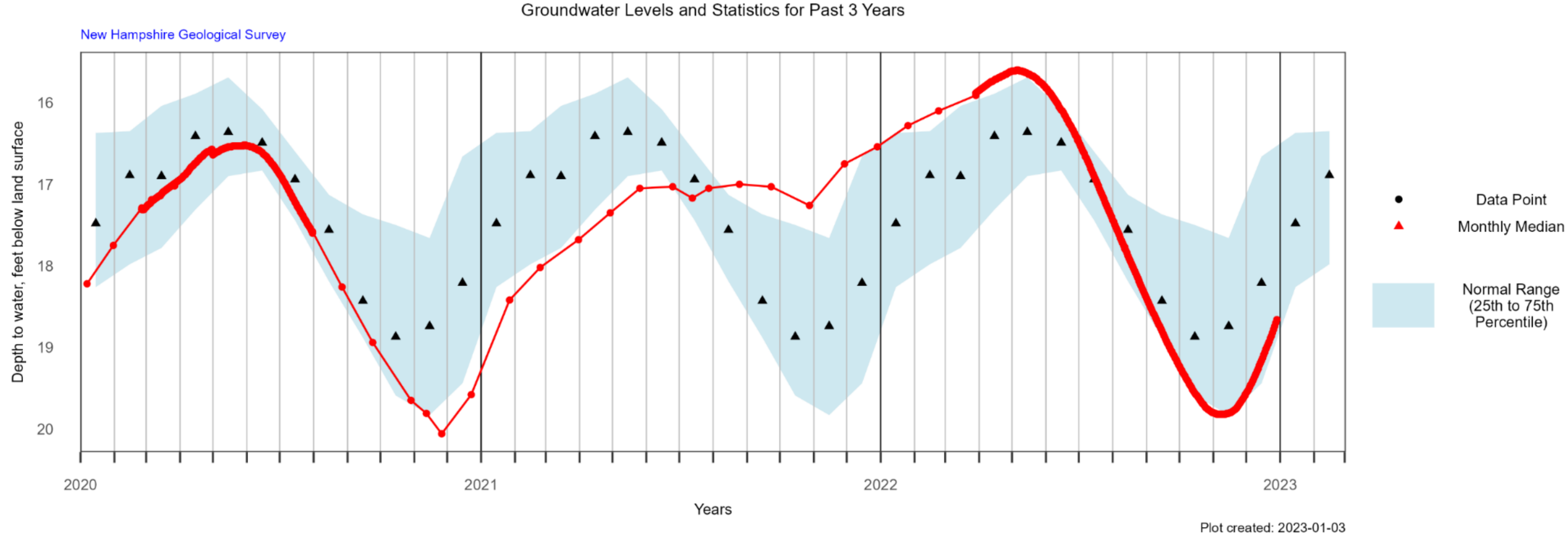
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	19.12	19.07	18.26	17.48	16.37	15.81	15.50	13
Feb	18.58	18.48	17.98	16.89	16.35	15.78	15.57	13
Mar	18.04	18.02	17.78	16.90	16.04	13.56	12.77	12
Apr	17.76	17.64	17.31	16.41	15.89	14.22	13.88	13
May	17.39	17.35	16.90	16.36	15.69	15.08	15.00	13
Jun	17.46	17.42	16.83	16.49	16.08	16.02	16.01	13
Jul	17.82	17.81	17.44	16.94	16.60	16.34	16.25	13
Aug	18.60	18.52	18.19	17.56	17.13	16.89	16.82	13
Sep	19.50	19.24	18.88	18.43	17.37	17.02	17.02	14
Oct	20.10	19.96	19.59	18.87	17.50	17.08	17.00	12
Nov	21.04	20.49	19.83	18.74	17.66	16.76	16.75	14
Dec	19.68	19.66	19.44	18.21	16.66	16.03	15.63	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

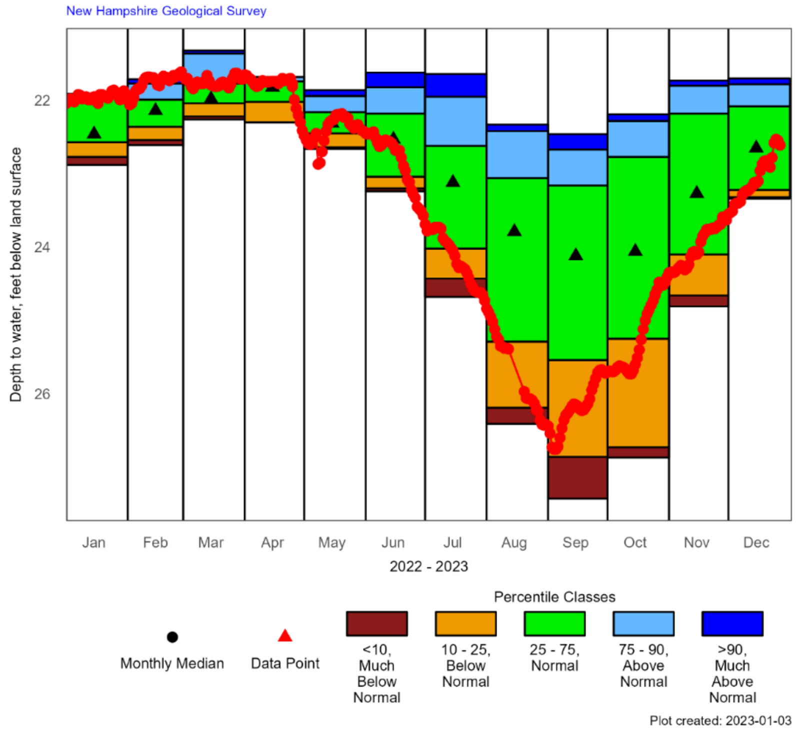
DDWB-01: Deerfield, NH Bedrock Well

Groundwater Levels and Statistics for Past 3 Years



EAWB-01: East Kingston, NH Bedrock Well, Deep Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for EAWB-01

Depth to water, feet below land surface

Most recent depth to water in EAWB-01: 22.61 feet on 2022-12-27

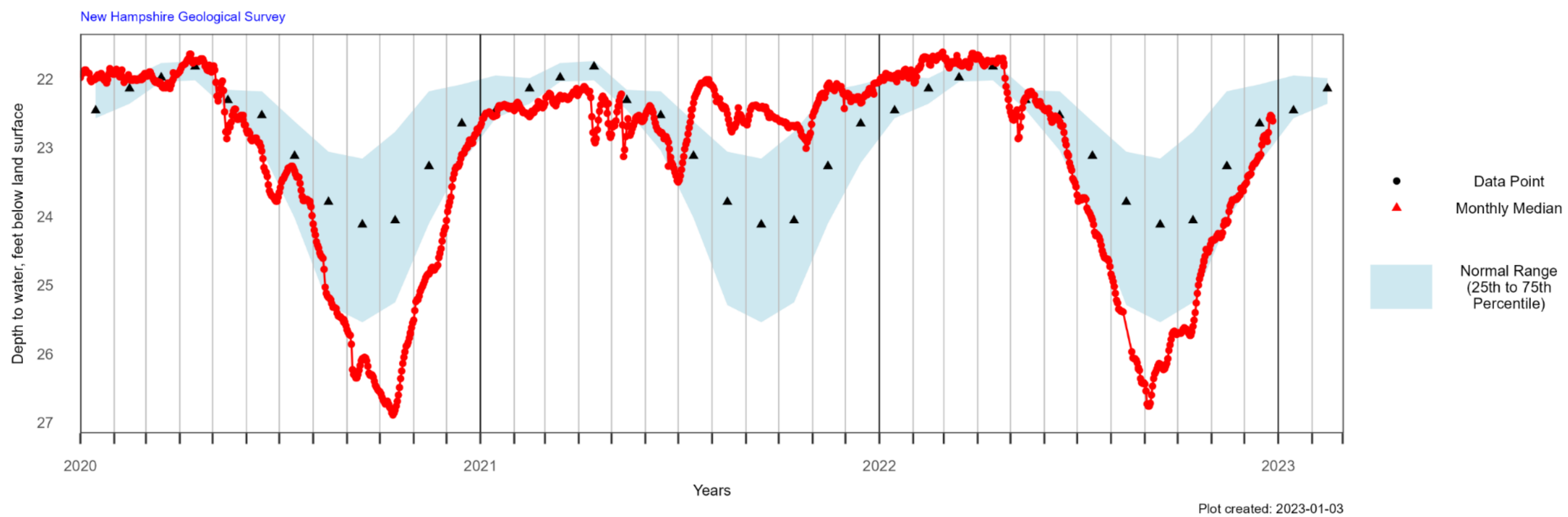
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	22.88	22.77	22.57	22.46	21.95	21.92	21.91	13
Feb	22.61	22.54	22.36	22.14	21.99	21.77	21.71	13
Mar	22.26	22.22	22.04	21.98	21.77	21.36	21.32	13
Apr	22.30	22.30	22.02	21.82	21.74	21.68	21.68	13
May	22.66	22.64	22.45	22.31	22.16	21.94	21.86	13
Jun	23.24	23.20	23.04	22.53	22.18	21.82	21.62	14
Jul	24.68	24.43	24.02	23.12	22.62	21.95	21.64	14
Aug	26.41	26.19	25.29	23.79	23.06	22.42	22.33	14
Sep	27.43	26.86	25.54	24.12	23.16	22.67	22.46	14
Oct	26.87	26.73	25.25	24.06	22.77	22.28	22.19	14
Nov	24.81	24.66	24.10	23.27	22.18	21.80	21.73	14
Dec	23.34	23.32	23.22	22.65	22.08	21.78	21.70	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

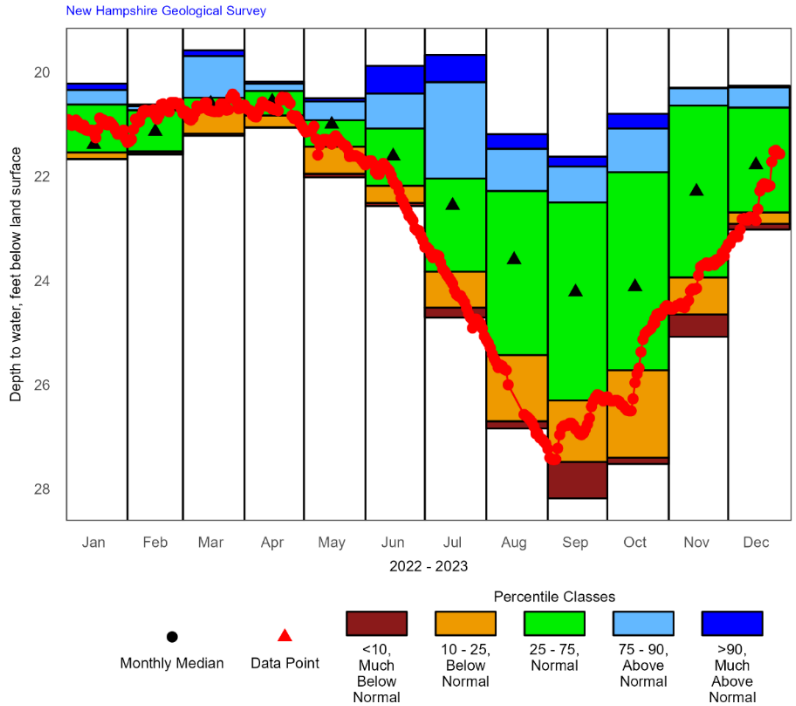
EAWB-01: East Kingston, NH Bedrock Well, Deep Couplet Member

Groundwater Levels and Statistics for Past 3 Years



EAWB-02: East Kingston, NH Bedrock Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Plot created: 2023-01-03

Period of Record Monthly Statistics for EAWB-02

Depth to water, feet below land surface

Most recent depth to water in EAWB-02: 21.57 feet on 2022-12-27

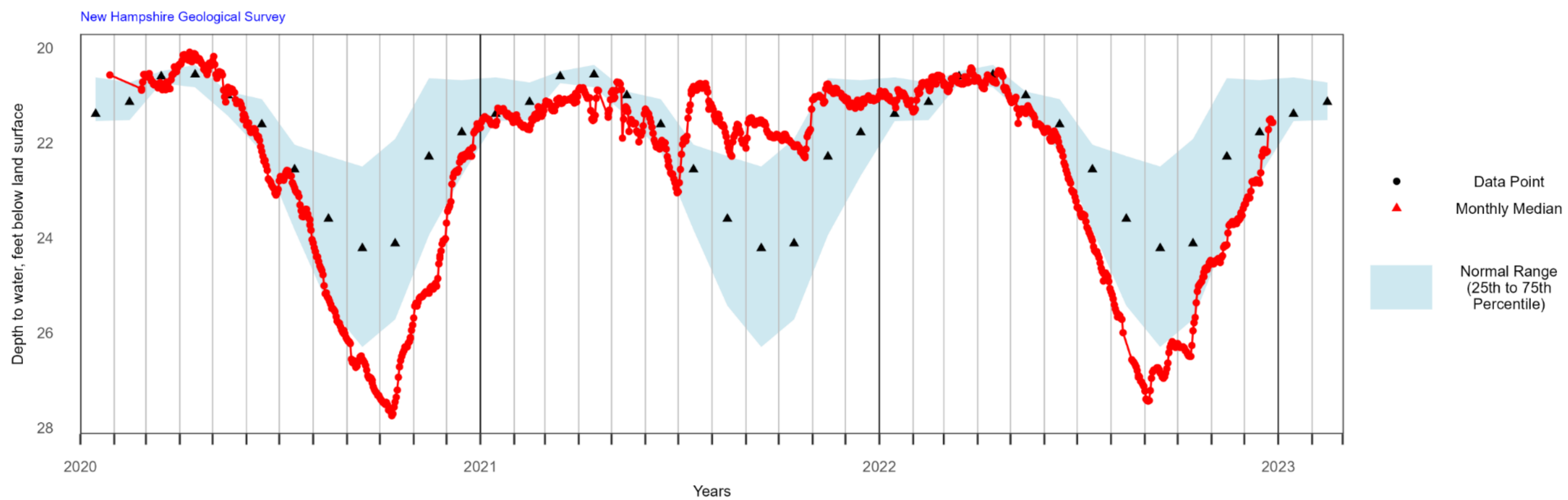
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	21.67	21.66	21.54	21.39	20.62	20.34	20.22	13
Feb	21.58	21.56	21.52	21.14	20.73	20.65	20.62	13
Mar	21.22	21.18	20.74	20.60	20.49	19.69	19.58	13
Apr	21.07	21.06	20.83	20.56	20.36	20.22	20.18	13
May	22.02	21.95	21.43	21.00	20.92	20.56	20.50	13
Jun	22.57	22.51	22.18	21.61	21.08	20.41	19.88	14
Jul	24.71	24.52	23.83	22.56	22.04	20.19	19.67	13
Aug	26.84	26.70	25.43	23.60	22.28	21.47	21.19	14
Sep	28.18	27.48	26.30	24.22	22.50	21.81	21.62	14
Oct	27.52	27.40	25.72	24.12	21.92	21.08	20.80	14
Nov	25.08	24.65	23.94	22.29	20.64	20.31	20.30	13
Dec	23.02	22.91	22.69	21.78	20.68	20.29	20.26	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

EAWB-02: East Kingston, NH Bedrock Well, Shallow Couplet Member

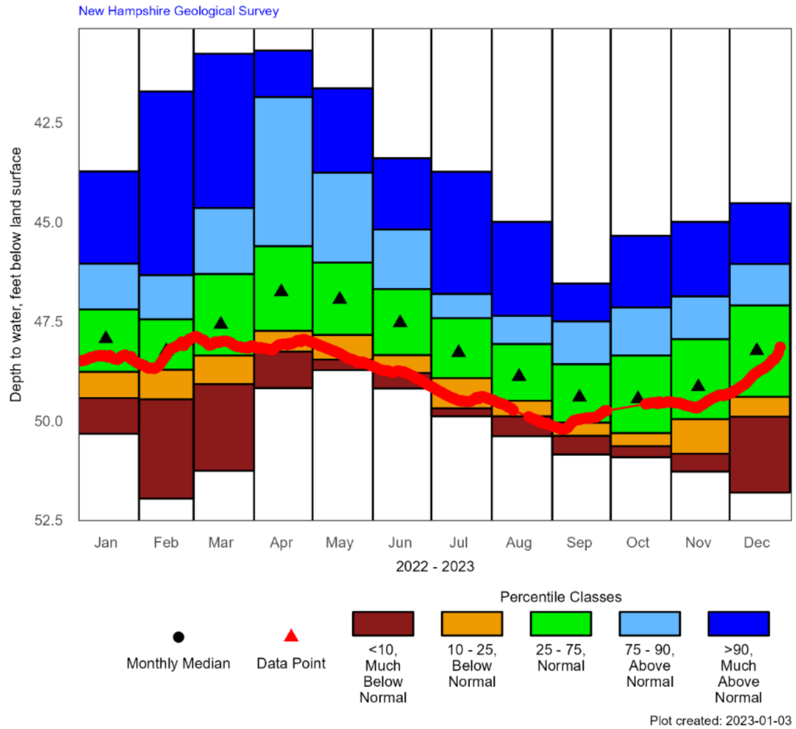
Groundwater Levels and Statistics for Past 3 Years



Plot created: 2023-01-03

HTW-05: Hooksett, NH Bedrock Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for HTW-05

Depth to water, feet below land surface

Most recent depth to water in HTW-05: 48.15 feet on 2022-12-27

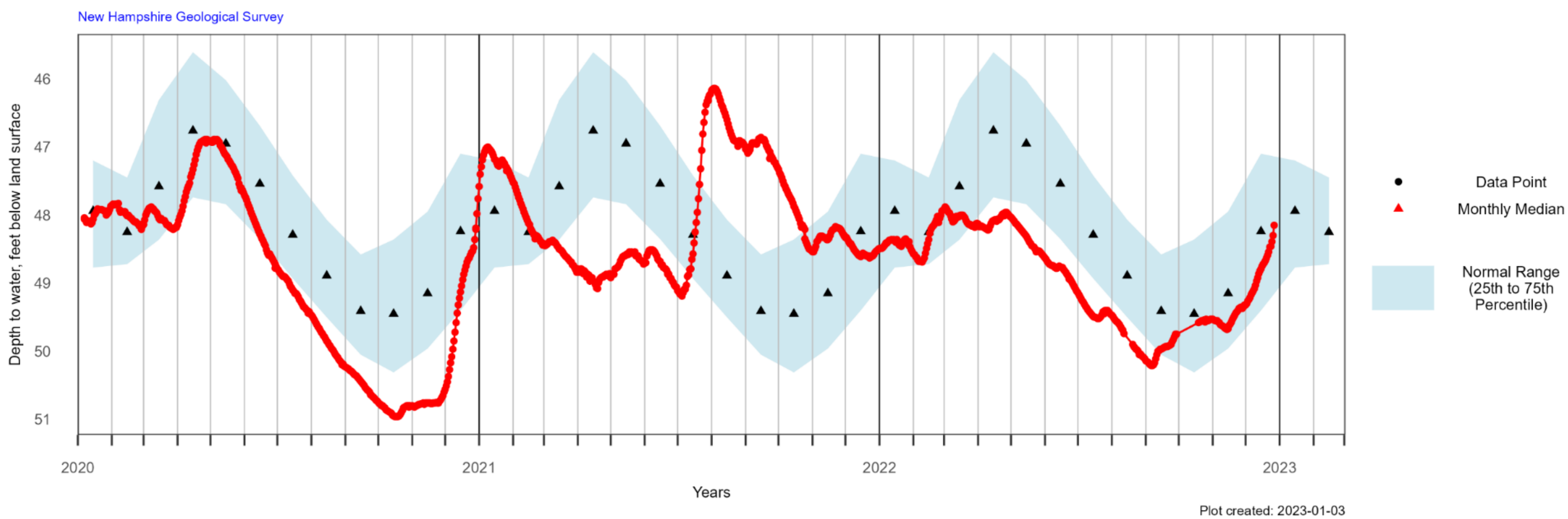
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	50.33	49.43	48.77	47.94	47.20	46.05	43.73	54
Feb	51.96	49.46	48.72	48.25	47.45	46.34	41.72	53
Mar	51.26	49.08	48.36	47.58	46.31	44.65	40.77	57
Apr	49.18	48.26	47.74	46.76	45.61	41.86	40.69	58
May	48.73	48.46	47.84	46.95	46.02	43.76	41.64	56
Jun	49.19	48.80	48.35	47.54	46.69	45.19	43.40	56
Jul	49.89	49.69	48.93	48.29	47.42	46.81	43.74	55
Aug	50.39	49.89	49.50	48.89	48.07	47.36	45.00	57
Sep	50.85	50.38	50.05	49.41	48.58	47.50	46.55	56
Oct	50.92	50.64	50.31	49.45	48.36	47.15	45.35	55
Nov	51.28	50.83	49.96	49.15	47.95	46.87	45.00	57
Dec	51.81	49.90	49.40	48.24	47.10	46.06	44.53	58

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

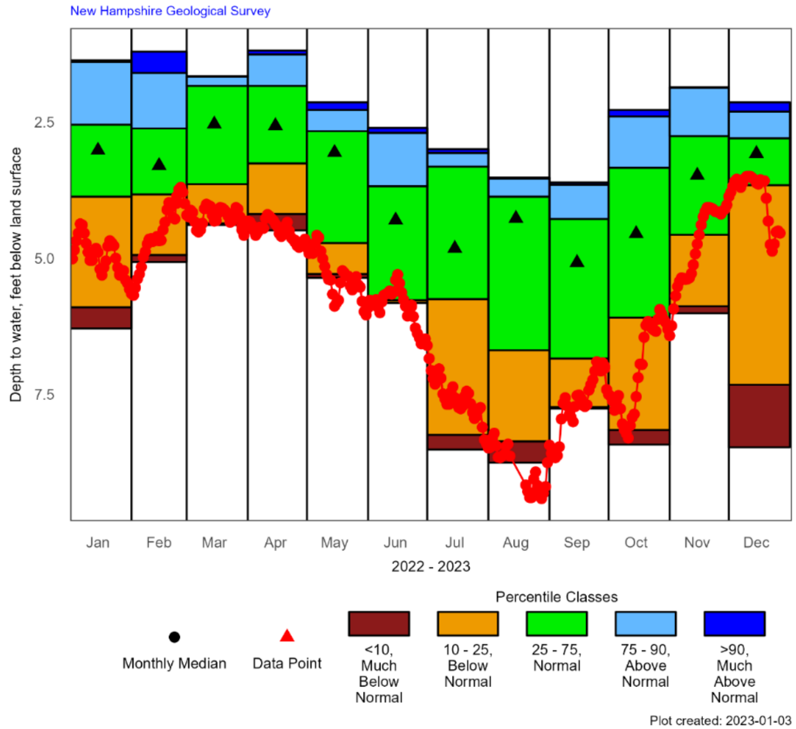
HTW-05: Hooksett, NH Bedrock Well

Groundwater Levels and Statistics for Past 3 Years



NWWB-01: Northwood, NH Bedrock Well

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for NWWB-01

Depth to water, feet below land surface

Most recent depth to water in NWWB-01: 4.54 feet on 2022-12-27

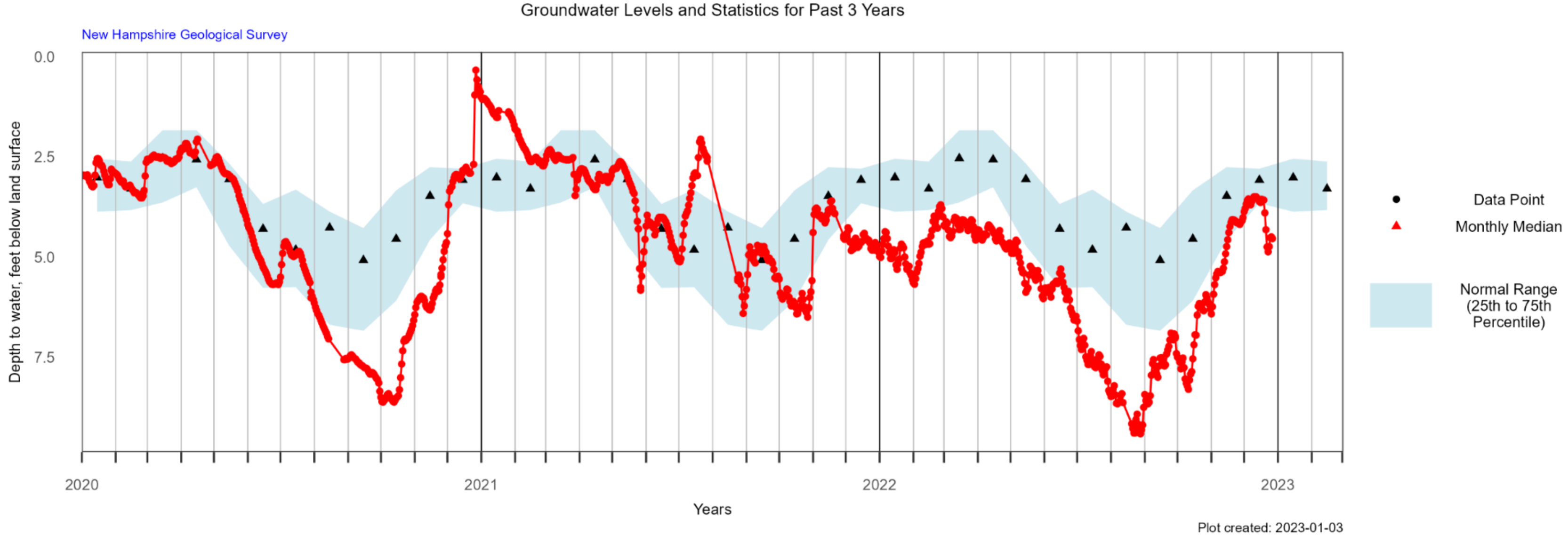
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	6.29	5.90	3.87	3.02	2.55	1.40	1.37	12
Feb	5.07	4.94	3.83	3.30	2.62	1.60	1.21	12
Mar	4.39	4.36	3.64	2.54	1.84	1.67	1.66	11
Apr	4.49	4.19	3.26	2.57	1.84	1.26	1.19	12
May	5.36	5.29	4.72	3.06	2.67	2.28	2.14	12
Jun	5.82	5.82	5.77	4.30	3.68	2.70	2.61	10
Jul	8.51	8.24	5.75	4.82	3.32	3.07	3.00	12
Aug	8.75	8.36	6.69	4.27	3.87	3.54	3.52	11
Sep	7.76	7.73	6.84	5.08	4.28	3.65	3.61	12
Oct	8.42	8.15	6.09	4.55	3.34	2.40	2.28	11
Nov	6.01	5.88	4.57	3.48	2.76	1.87	1.86	11
Dec	8.47	7.32	3.66	3.08	2.80	2.31	2.14	12

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

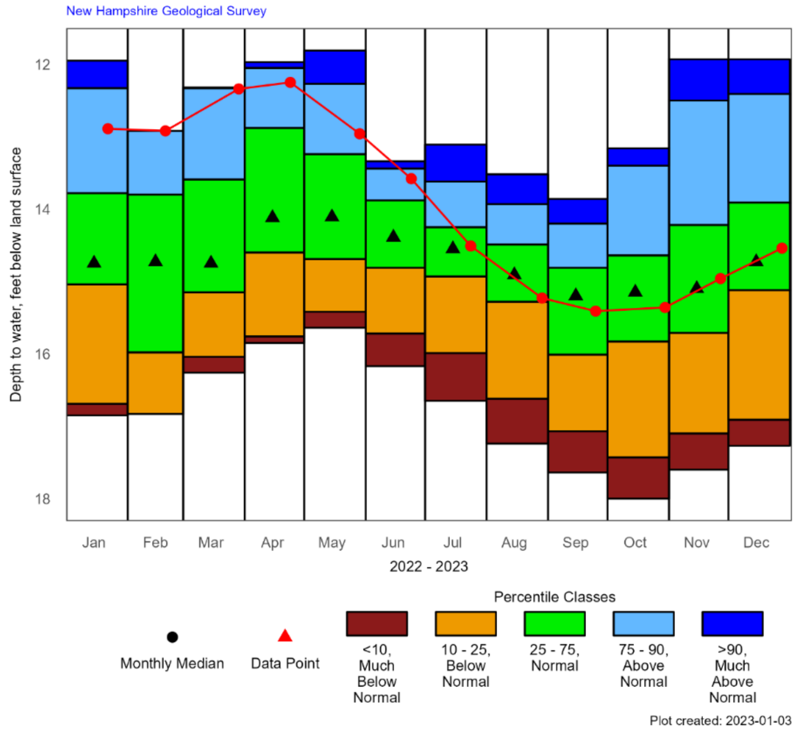
NWWB-01: Northwood, NH Bedrock Well

Groundwater Levels and Statistics for Past 3 Years



RGWB-01: Rindge, NH Bedrock Well, Deep Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for RGWB-01

Depth to water, feet below land surface

Most recent depth to water in RGWB-01: 14.54 feet on 2022-12-28

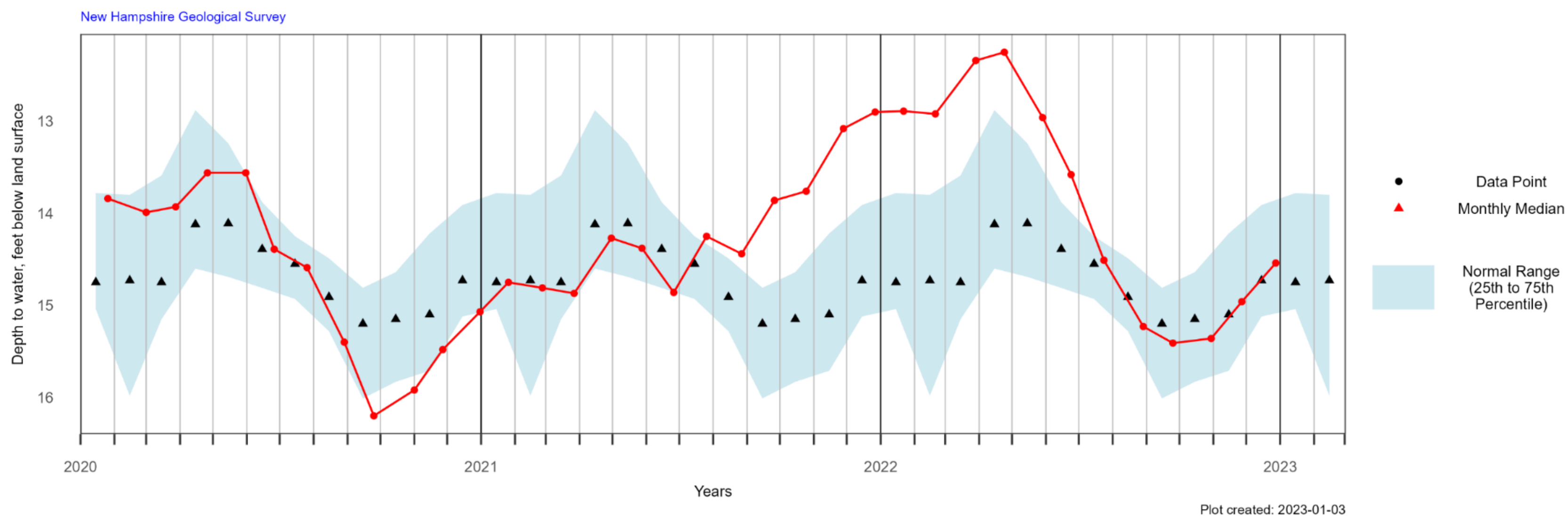
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	16.85	16.69	15.04	14.75	13.78	12.33	11.95	13
Feb	16.83	16.83	15.98	14.73	13.80	12.92	12.92	8
Mar	16.26	16.04	15.15	14.75	13.59	12.33	12.32	13
Apr	15.85	15.76	14.60	14.12	12.88	12.05	11.97	12
May	15.64	15.42	14.69	14.11	13.24	12.27	11.81	13
Jun	16.17	15.72	14.81	14.39	13.88	13.44	13.34	13
Jul	16.65	15.99	14.93	14.55	14.25	13.62	13.11	14
Aug	17.24	16.62	15.28	14.91	14.49	13.93	13.52	14
Sep	17.64	17.07	16.01	15.20	14.81	14.20	13.86	13
Oct	18.00	17.43	15.83	15.15	14.64	13.40	13.16	13
Nov	17.60	17.10	15.71	15.10	14.22	12.50	11.93	14
Dec	17.27	16.91	15.12	14.73	13.91	12.41	11.93	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

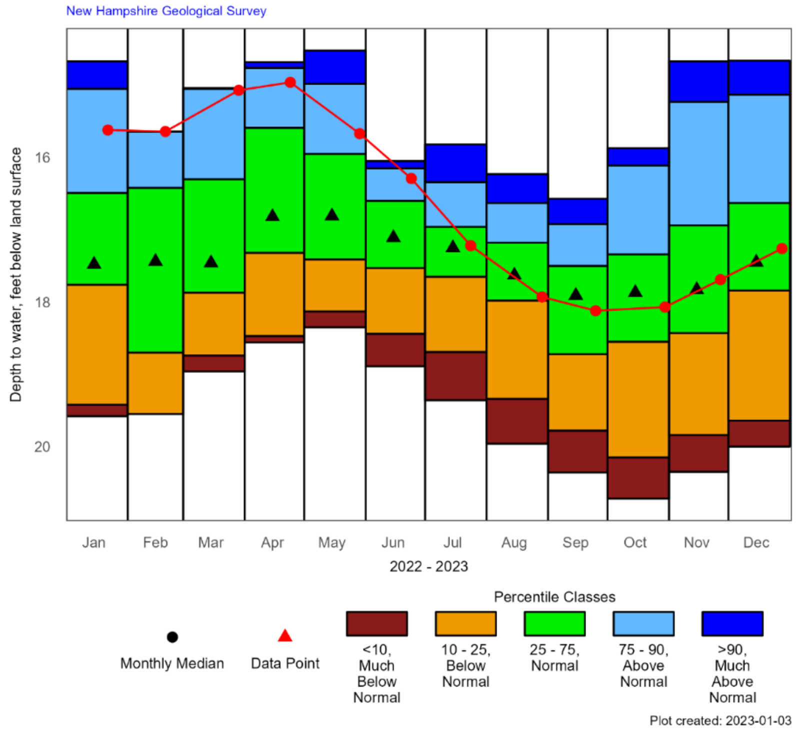
RGWB-01: Rindge, NH Bedrock Well, Deep Couplet Member

Groundwater Levels and Statistics for Past 3 Years



RGWB-02: Rindge, NH Bedrock Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Period of Record Monthly Statistics for RGWB-02

Depth to water, feet below land surface

Most recent depth to water in RGWB-02: 17.26 feet on 2022-12-28

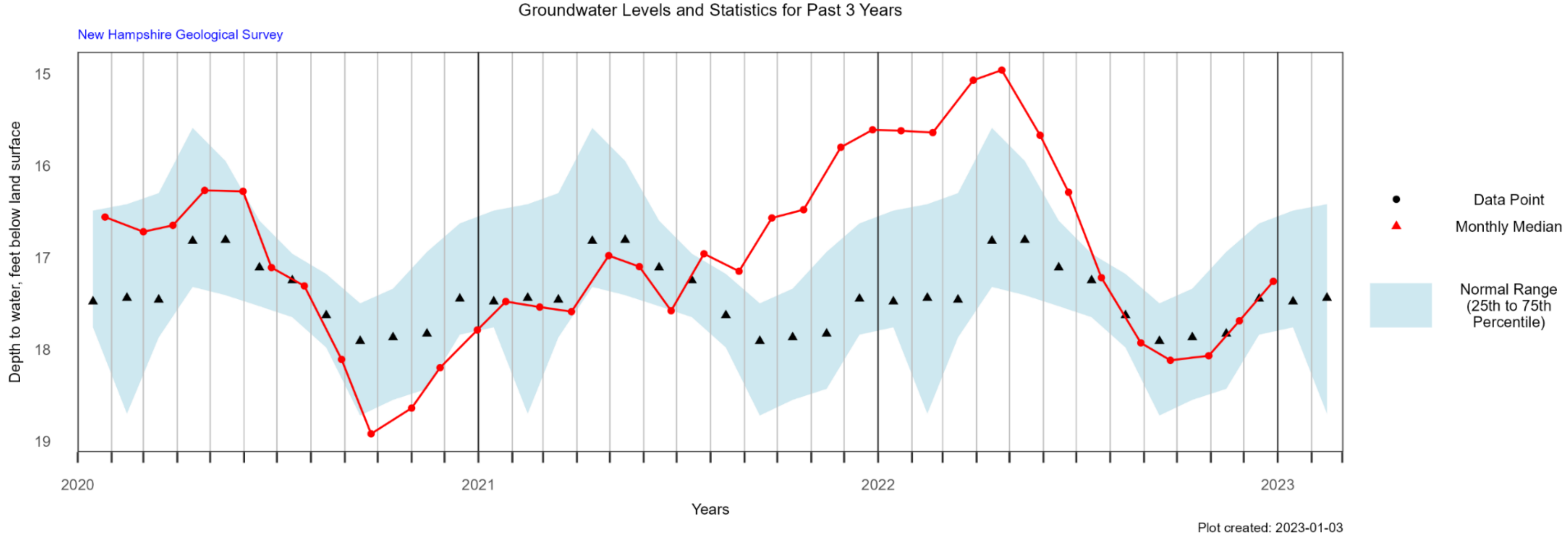
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	19.58	19.42	17.76	17.48	16.49	15.05	14.67	13
Feb	19.55	19.55	18.70	17.44	16.42	15.64	15.64	8
Mar	18.96	18.74	17.87	17.46	16.30	15.05	15.04	13
Apr	18.56	18.47	17.32	16.82	15.59	14.76	14.68	12
May	18.35	18.13	17.41	16.81	15.95	14.98	14.52	13
Jun	18.89	18.44	17.53	17.11	16.60	16.15	16.05	13
Jul	19.36	18.69	17.65	17.25	16.96	16.34	15.82	14
Aug	19.96	19.34	17.98	17.63	17.18	16.63	16.23	14
Sep	20.36	19.78	18.72	17.91	17.50	16.92	16.57	13
Oct	20.72	20.15	18.55	17.87	17.34	16.11	15.87	13
Nov	20.35	19.84	18.43	17.83	16.94	15.23	14.67	14
Dec	20.00	19.64	17.84	17.45	16.63	15.13	14.66	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

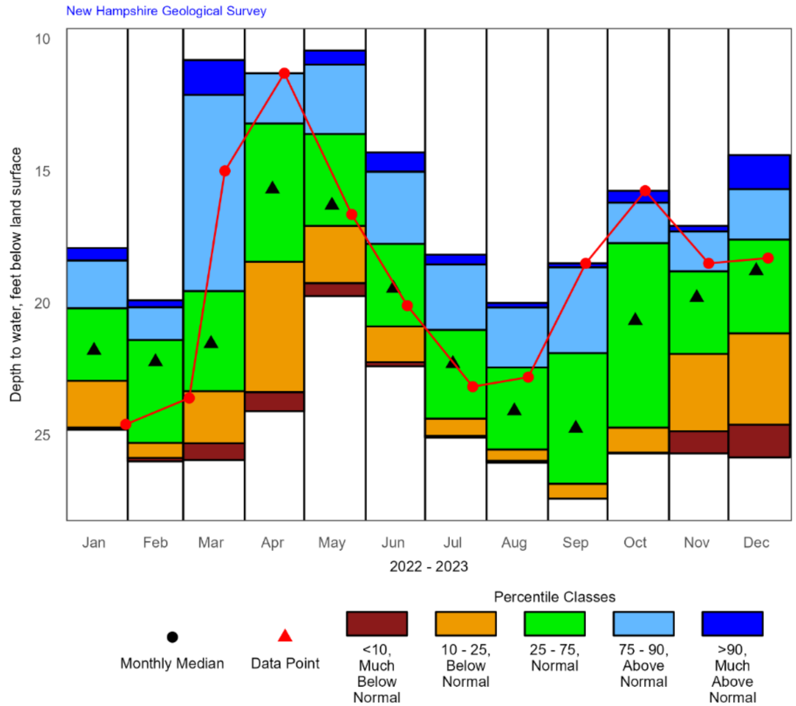
RGWB-02: Rindge, NH Bedrock Well, Shallow Couplet Member

Groundwater Levels and Statistics for Past 3 Years



SOWB-02: Stewartstown, NH Bedrock Well, Shallow Couplet Member

Annual Hydrograph with Historical Median and Percentile Classes



Plot created: 2023-01-03

Period of Record Monthly Statistics for SOWB-02

Depth to water, feet below land surface

Most recent depth to water in SOWB-02: 18.3 feet on 2022-12-21

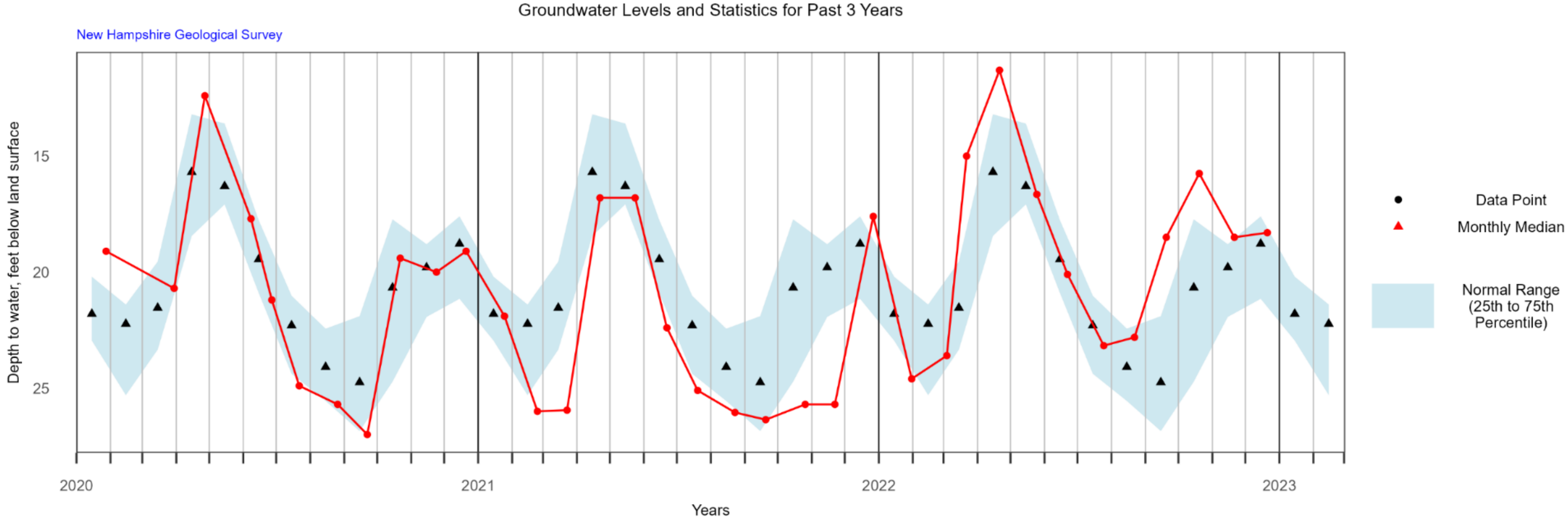
Month	Lowest Median	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	Highest Median	POR
Jan	24.80	24.72	22.95	21.80	20.20	18.39	17.92	13
Feb	26.00	25.87	25.30	22.23	21.40	20.16	19.90	11
Mar	25.95	25.31	23.34	21.54	19.55	12.12	10.80	12
Apr	24.10	23.38	18.44	15.69	13.20	11.30	11.30	13
May	19.74	19.25	17.08	16.30	13.60	10.97	10.44	11
Jun	22.40	22.24	20.89	19.45	17.76	15.03	14.30	13
Jul	25.10	25.04	24.38	22.30	21.02	18.54	18.17	13
Aug	26.05	25.98	25.55	24.09	22.44	20.17	20.00	14
Sep	27.41	27.41	26.85	24.75	21.90	18.65	18.50	14
Oct	25.70	25.67	24.72	20.67	17.73	16.20	15.75	12
Nov	25.70	24.86	21.93	19.80	18.80	17.29	17.08	13
Dec	25.85	24.61	21.15	18.78	17.60	15.69	14.40	14

Table created: 2023-01-03

Figures and table created with R version 4.1.3 using a heavily modified version of the Hydrologic AnalySis Package (HASP) by USGS

SOWB-02: Stewartstown, NH Bedrock Well, Shallow Couplet Member

Groundwater Levels and Statistics for Past 3 Years



Plot created: 2023-01-03