

**SHELTER ISLAND WATER ADVISORY COMMITTEE –  
Well Height data report for November 2025, Report Date Dec 12 2025**

**Recommendation: TBD**

The WAC will review and make recommendations per policy.

**Background / Summary**

Current drought intensity category is Moderate Drought.

**State and regional organizations drought intensity categories – (section 1a and 1b)**

On August 29, the NYDEC added Shelter Island to “Watch” status, the initial DEC drought intensity category.

The DEWS drought intensity status remained unchanged at “D0 Abnormally Dry”. The intensity categories for large areas of New England were intensified to “D3 Severe Drought”.

**Big 4 Percentile level values for monitoring wells versus history: (Sections 2)**

The average score of Big 4 monitoring wells improved from the 29<sup>th</sup> to the 30<sup>th</sup> percentile. The Goat Hill well improved from the 13<sup>th</sup> to 39<sup>th</sup> percentile. Big 4 well Manhasset improved to 33<sup>rd</sup> and Congdon to 30<sup>th</sup>. The Manwaring well dropped to the 18<sup>th</sup> percentile, from the previous ranking of 35<sup>th</sup> percentile.

**Wells level values for monitoring wells versus history: (Sections 3)**

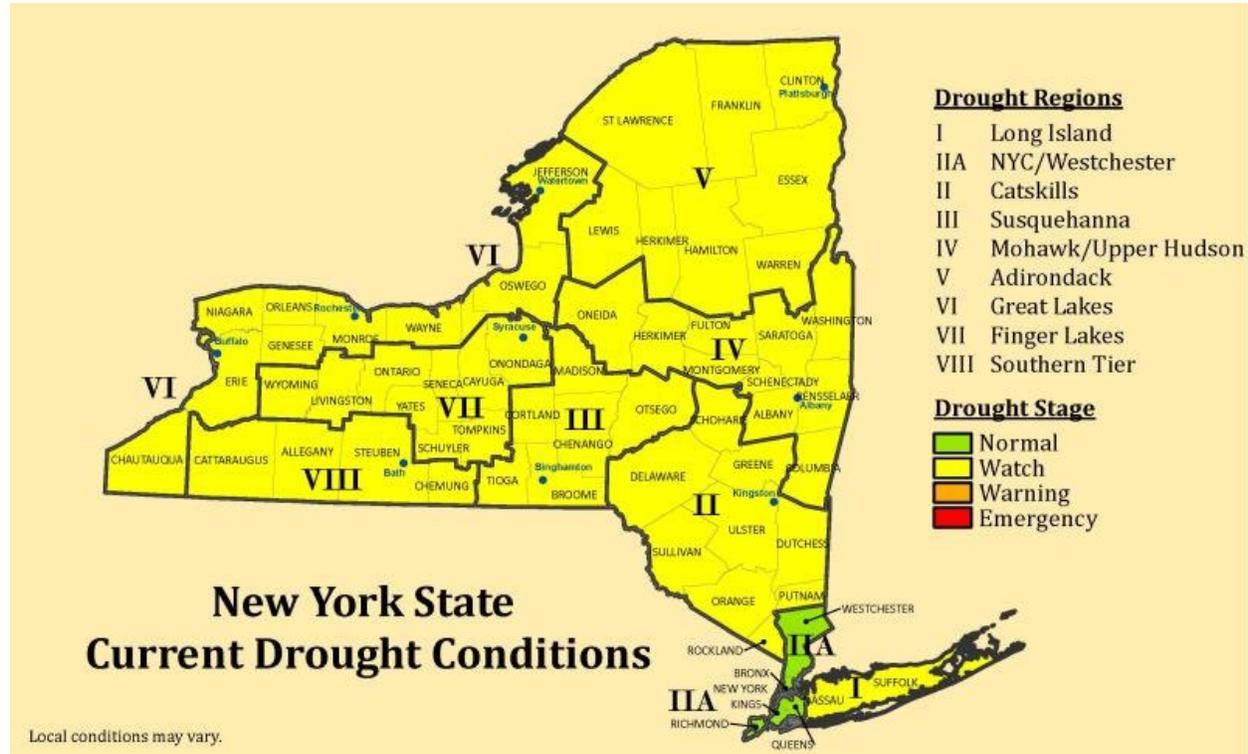
The aquifer level for most of the shallower wells dropped as expected with the continued influence of seasonal drawdown. The low level of rainfall so far in December presumably exacerbates the drop in aquifer height.

**Rainfall to date and Forecast**

Rainfall in November was below normal monthly rainfall, in the range 2.0 to 2.5 inches. December rainfall to date is only about 0.8 inches. There are no significant rain events in the 10-day forecast.

**Section 1a – New York DEC Drought monitor.**

No change in the intensity status since August when the NYDEC placed Suffolk County in “Watch” status.

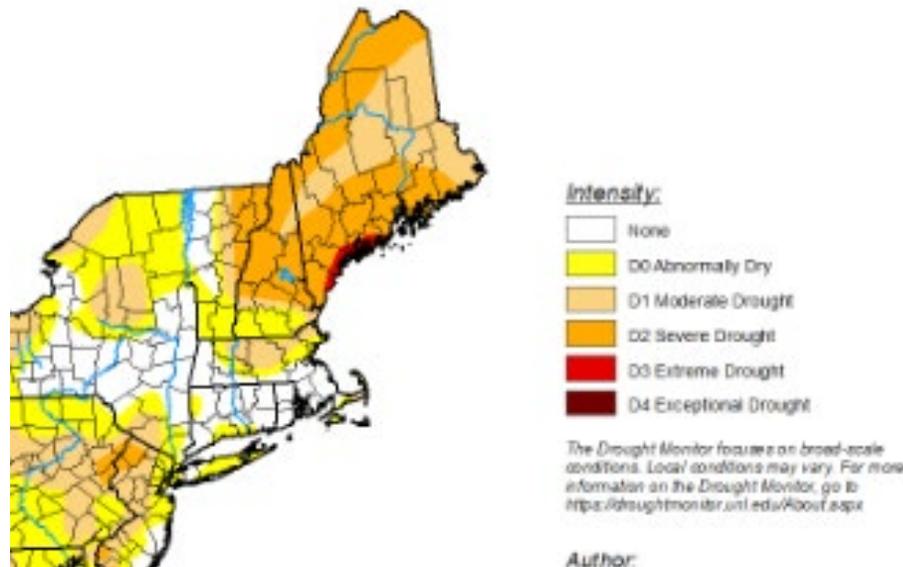


**Section 1b - National Drought Monitoring:**

Shelter Island status was unchanged, with all of Suffolk County status as “DO/Abnormally Dry.” While Suffolk County was unchanged, large areas of the northeast were downgraded into either D1/Moderate Drought or D2/Severe Drought.

**Drought Monitor Northeast**

**December 9, 2025**  
 (Released Thursday, Dec. 11, 2025)  
 Valid 7 a.m. EST

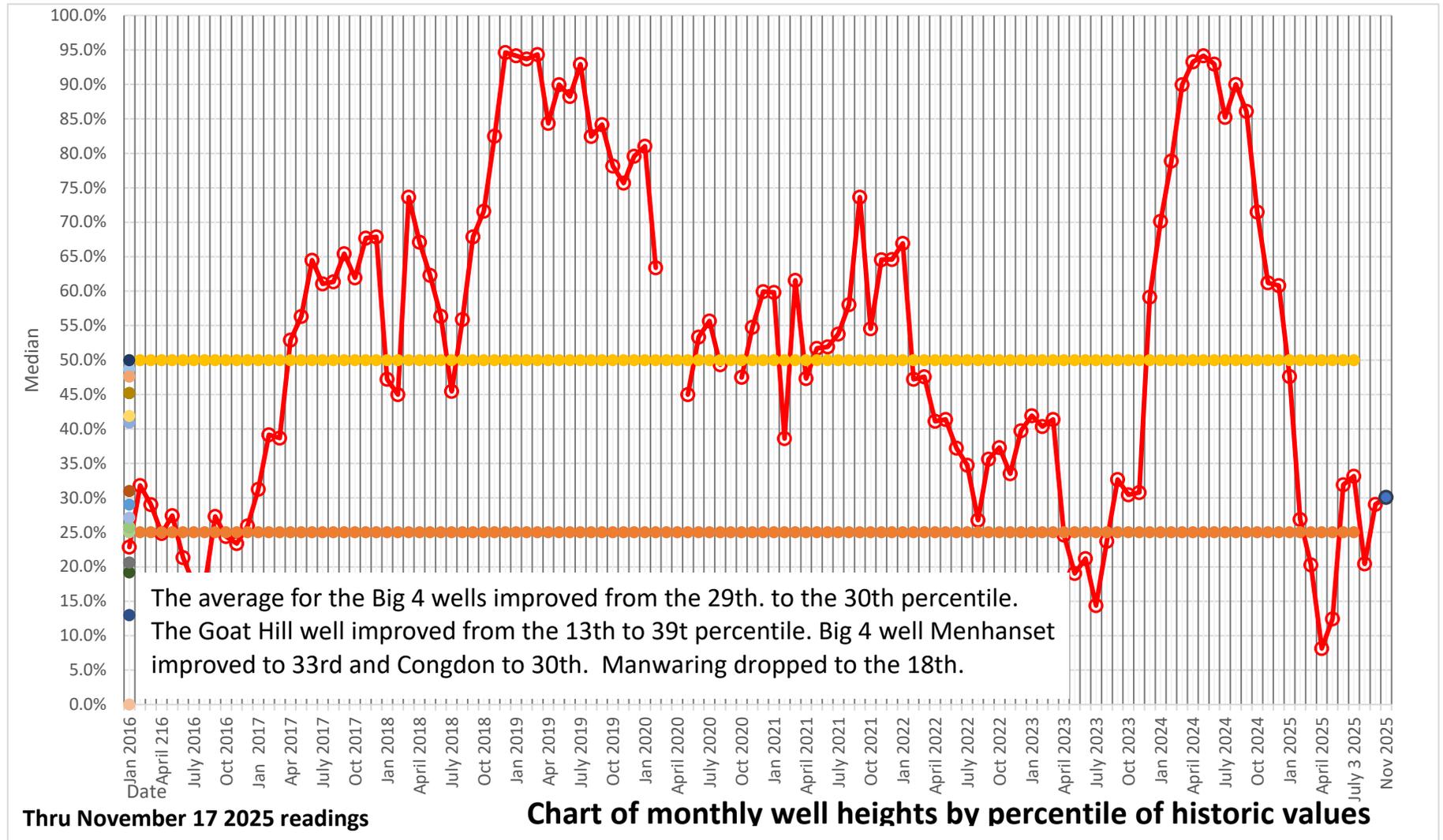


**Section 2 – Chart showing “ranking of monthly well heights by percentile of historic values.”** The chart is a graphic of the data for the Big Four feeder wells showing the percentile rank for the current month versus history for each month.

Average of the big4 wells is 30<sup>th</sup> percentile(blue dot in right), an improvement from the previous 29<sup>th</sup> value.

**PERCENT RANK AQUIFER HEIGHT OVER MEAN SEA LEVEL**

BIG 4 wells - the level of the aquifer compared to the historic mean value for that month.



### Section 3 – Comparison showing aquifer height readings for the month compared to the median history

Values in this section are impacted by the Federal shutdown and reflect 2 months of between the previous read. Only 2 of 12 wells improved since the last reading (two wells had no reliable values). 10 wells dropped in height. .

Well readings compared to the months Median for each well for:	Manhasset Well #1	Rocky Point /Belvedere Well #2	Big Ram Island Well #3	Manwaring Rd Well #4	Congdon Well #5	Brander/ Lilliput Well #6	Menantic Rd Well #7	Deer Park Lane Well #8	LITTLE RAM Well #9	DERING HARBOR Well #10	HAY BEACH Well #11	Goat Hill Well #12	Shorewood Well #13	White Birch Well #14
<b>NOVEMBER 2025</b>	24	20	22	23	29	21	20	20	12	12	16	16	18	12
<b>Median Value</b>	2.77	2.01	1.54	3.57	4.41	1.93	1.73	2.83	1.50	1.89	2.21	5.34	1.51	1.72
<b>November 2025 READING</b>	2.62	1.85	1.54	3.27	4.32	1.95	no data	5.33	1.35	1.80	2.21	5.24	1.32	1.53
<b>Previous reading</b>	2.91	2.17	1.91	3.75	4.52	1.85	no data	3.11	1.72	2.06	2.45	5.15	1.54	1.75
<b>Change from Prev. Month</b>	(0.29)	(0.32)	(0.37)	(0.48)	(0.20)	0.10	#VALUE!	2.22	(0.37)	(0.26)	(0.24)	0.09	(0.22)	(0.22)
<b>Measurement date: Nov 17 2025</b>	Big 4			Big 4	Big 4							Big 4		
					7.00									
					6.95									
					6.28									
	4.40				5.85									
	3.50		2.23	5.19	5.70	3.82	3.53	5.33						
	3.33	2.81	1.99	4.91	5.62	2.48	2.15	4.72						
	3.29	2.34	1.85	4.79	5.37	2.14	2.06	3.82			3.38	6.93	2.72	
	3.18	2.31	1.83	4.45	5.35	2.13	2.04	3.42			2.61	6.88	2.31	
	3.14	2.23	1.83	4.33	5.21	2.12	1.98	3.37	2.47	2.24	2.59	6.82	1.81	
	3.09	2.16	1.82	4.23	5.20	2.11	1.95	3.34	1.84	2.21	2.56	6.74	1.80	
	3.03	2.15	1.70	4.05	4.96	2.07	1.94	3.12	1.80	2.10	2.47	6.40	1.74	1.93
<b>Readings are feet above Mean Sea Level NGVD29</b>	3.00	2.13	1.70	3.97	4.92	2.03	1.94	3.04	1.77	2.06	2.47	6.31	1.66	1.85
	2.99	2.11	1.68	3.89	4.89	2.03	1.92	3.03	1.67	2.05	2.46	6.17	1.66	1.82
	2.95	2.10	1.68	3.86	4.77	1.99	1.90	2.97	1.64	2.03	2.44	6.16	1.61	1.80
	2.92	2.09	1.67	3.83	4.72	1.95	1.75	2.87	1.62	2.01	2.42	6.14	1.58	1.75
<b>Median</b>	2.77	2.01	1.54	3.57	4.41	1.93		2.83	1.50	1.89	2.21	5.34	1.51	1.73
	2.74	1.96	1.48	3.46	4.39	1.80	1.70	2.80	1.38	1.87	2.21	5.26	1.46	1.71
	2.73	1.95	1.47	3.44	4.38	1.77	1.66	2.76	1.37	1.82	2.18	5.24	1.34	1.60
	2.68	1.91	1.45	3.42	4.37	1.71	1.65	2.74	1.35	1.80	2.17	5.20	1.32	1.60
	2.62	1.90	1.42	3.39	4.35	1.70	1.65	2.67	1.35	1.76	2.14	5.20	1.32	1.60
	2.58	1.85	1.40	3.33	4.34	1.70	1.58	2.63	1.34	1.75	2.10	5.18	1.28	1.53
	2.51	1.85	1.38	3.28	4.32	1.67	1.58	2.55	1.34	1.70	2.05	5.11	1.27	1.46
	2.47	1.84	1.38	3.27	4.31	1.49	1.56	2.55	1.27	1.56	2.00	4.87	1.26	
	2.46	1.77	1.30	3.25	4.29	1.49	1.54	2.47			1.94	4.86	1.00	
	2.45	1.75	1.07	3.20	4.15	1.49	1.46	2.45			1.81	4.75	0.92	
	2.30	1.66	1.05	3.15	4.09	1.43	1.41	2.38						
	2.30		0.82	2.85	4.08	1.29	1.23	2.35						
					3.97									
					3.97									
					3.77									
					3.25									
	Big 4			Big 4	Big 4							Big 4		
<b>CURRENT MONTH ANALYSIS</b>														
<b>percentrank current read to historic range</b>	33%	20%	50%	18%	30%	55%	no data		21%	29%	44%	39%	28%	30%

## Section 4 - "Raw" aquifer readings for the Big 4 wells.

Raw well height graph is independent of the percent rank history. It presents a direct comparison of aquifer heights.

Seasonal drawdown continues, although Goat Hill increased.

	Previous	Current		Previous	Current		
<b>Congdon</b>	4.52	4.32	Slightly lower	<b>Manwaring</b>	3.75	3.27	Lower
<b>Goat Hill</b>	5.15	5.24	Slight gain	<b>Manhansett</b>	2.91	2.62	Lower

