

**SHELTER ISLAND WATER ADVISORY COMMITTEE –
Well Height data report, July 3, 2025 Readings DRAFT**

Summary/Conclusion - “The seasonal summer drawdown is now operating, later than normal. The shallower wells are in pretty good shape, most above their median value. The deeper wells Big 4 wells are lower than median, averaging around the 25% percentile.

Conclusion – Residents should continue to conserve water and refrain from wasteful practices.

Discussion:

Section 1a - National Drought Monitoring:

Shelter Island status to “Normal”, which means drought is not in progress or anticipated. “Abnormally Dry” conditions remain in effect in Nassau County and western Suffolk County.

Section 1b – New York DEC Drought monitor.

The entire state is “Normal”.

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.*

The percentile rank for the average of the Big 4 wells is the 25 th percentile, below median but much improved compared to earlier this year.

Section 3 - Table of well readings compared to historic and median values.

“Well readings compared to the month’s Median for each well.”

Eight of ten shallower wells are above the median, three of the Big 4 deeper wells are below their median value, the other one right on the median.

Section 4 – Raw well height readings for the Big 4 wells

Raw well height graph is independent of the median history. It presents a direct comparison of aquifer heights. The raw height data (that is, the values are not adjusted for seasonality) for 3 of the wells are lower than last month (Goat Hill, Manhasset and Congdon) with a small increase for Manwaring,

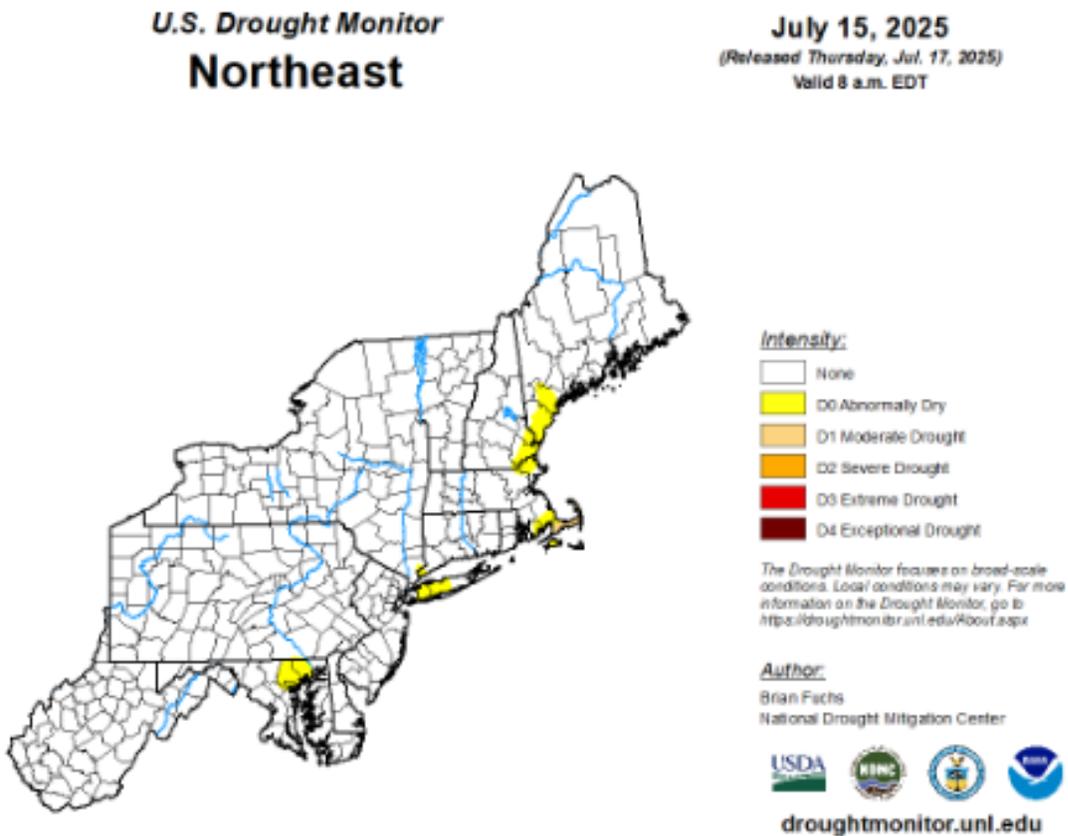
PRECIPITATION REPORT – Rainfall will be included in next month’s report

Section 1a – New York DEC Drought monitor

The New York DEC grades with the entire state as “Normal”.

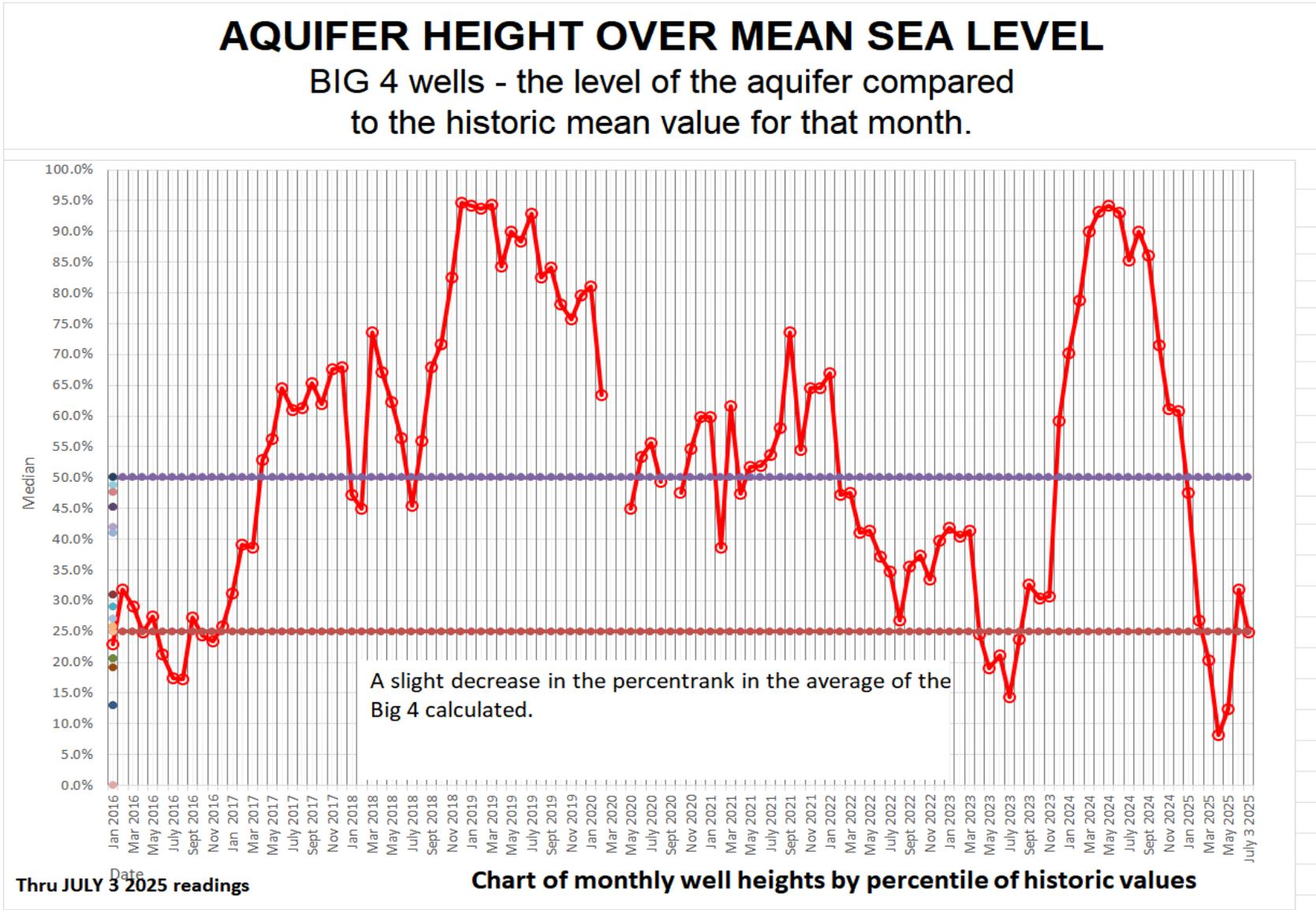
Section 1b National Drought Monitoring

Shelter Island and most of eastern Suffolk County remain in “Normal” status, which means drought is not in progress or anticipated. Classification for western Suffolk and all of Nassau County remains “Abnormally Dry”. Hard to believe Shelter Island would not be categorized at least Abnormally Dry.



Section 2. Ranking of monthly well heights by percentile of historic values.

The percentile rank for the average of the Big 4 wells is the 25 th percentile, below median but much improved compared to earlier this year.



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

Eight of ten shallower wells are above the median, three of the Big 4 deeper wells are below their median value, the other one right on the median.

Well readings compared to the months Median for each well for:	Manhansett, Well #1	Rocky Point Ave/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 #14 NADV 1929
	25	24	22	23	25	25	27	26	16	16	20	23	21	11
Median Value	3.33	2.02	1.52	4.51	5.86	1.72	1.66	3.09	1.48	1.94	2.52	6.30	1.45	1.74
Reading JULY 3 2025	3.43	2.16	1.80	4.30	5.46	2.05	2.13	3.42	1.51	2.13	2.68	6.00	1.72	1.82
Previous Month reading	3.47	2.31	1.84	4.15	5.68	2.27	2.20	3.67	1.56	2.26	2.78	6.34	1.86	1.81
Change from prev. month	(0.04)	(0.15)	(0.04)	0.15	(0.22)	(0.22)	(0.07)	(0.25)	(0.05)	(0.13)	(0.10)	(0.33)	(0.14)	0.01
	Big 4			Big 4	Big 4		2.17	4.34				Big 4		
	4.77	2.40			8.23	2.35	2.17	3.99						
	4.10	2.39		6.67	7.10	2.06	2.13	3.93				8.18		
	4.07	2.33	1.90	5.79	7.09	2.05	1.93	3.77			2.99	7.75	2.00	
	4.04	2.20	1.89	5.75	6.98	2.03	1.90	3.54			2.94	7.58	1.84	
	3.96	2.19	1.80	5.74	6.93	1.96	1.85	3.44		2.22	2.85	7.32	1.72	
	3.69	2.16	1.79	5.37	6.91	1.91	1.82	3.42	1.98	2.16	2.70	7.31	1.65	
	3.68	2.15	1.71	5.33	6.36	1.90	1.81	3.31	1.69	2.13	2.68	7.20	1.65	
	3.64	2.13	1.71	5.21	6.27	1.86	1.81	3.28	1.60	2.09	2.68	6.86	1.65	1.98
	3.61	2.13	1.69	4.78	6.23	1.84	1.78	3.22	1.57	2.04	2.65	6.78	1.60	1.87
	3.51	2.11	1.67	4.72	6.04	1.84	1.77	3.21	1.55	2.03	2.63	6.66	1.57	1.82
	3.43	2.10	1.62	4.65	6.03	1.82	1.70	3.13	1.51	1.97	2.61	6.62	1.51	1.75
	3.43	2.02	1.55	4.64	5.96	1.75	1.68	3.10	1.50	1.95	2.55	6.44	1.51	1.75
Median Value	3.33	2.02	1.52	4.51	5.86	1.72	1.66	3.07	1.48			6.30	1.45	1.74
	3.32	2.00	1.51	4.42	5.62	1.69	1.63	3.05	1.48	1.92	2.48	6.29	1.44	1.73
	3.30	1.95	1.48	4.36	5.46	1.68	1.60	3.02	1.46	1.89	2.48	6.28	1.42	1.54
	3.19	1.93	1.46	4.31	5.45	1.64	1.57	3.00	1.41	1.83	2.43	6.25	1.40	1.53
	3.16	1.91	1.46	4.30	5.43	1.62	1.54	2.98	1.27	1.81	2.37	6.21	1.38	1.45
	3.12	1.90	1.45	4.24	5.13	1.59	1.51	2.89	1.21	1.77	2.36	6.08	1.37	1.43
	3.11	1.83	1.44	4.06	5.10	1.58	1.50	2.88	1.13	1.74	2.32	6.00	1.31	
	2.99	1.77	1.36	3.98	4.92	1.54	1.46	2.83	1.11	1.69	2.27	5.90	1.30	
	2.91	1.77	1.34	3.97	4.85	1.43	1.32	2.77		1.60	2.17	5.62	1.29	
	2.84	1.72	1.33	3.88	4.68	1.38	1.3	2.71			2.15	5.51	1.23	
	2.77	1.59	1.32	3.42	4.67	1.28	1.24	2.59			1.99	4.86	1.15	
	2.64	1.47	1.18	3.06	4.52	1.24	1.23	2.51				4.73		
	2.42				4.03	1.06	1.1	2.44						
							1.06							
current month value	Big 4			Big 4	Big 4							Big 4		
CURRENT MONTH ANALYSIS														
percentrank current read to historic range	54%	78%	90%	32%	42%	92%	92%	76%	64%	87%	74%	23%	90%	80%

Section 4 - “Raw” aquifer readings for the Big 4 wells.

Raw well height graph is independent of the median history. It presents a direct comparison of aquifer heights by month.

The raw height data (that is, the values are not adjusted for seasonality) for 3 of the wells are lower than last month (Goat Hill, Manhasset and Congdon) with a small increase for Manwaring,

