



Town of Chatham

549 Main Street, Chatham, MA 02633

(508) 945-5100

www.chatham-ma.gov



Select Board

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Town Manager

Jill R. Goldsmith
jgoldsmith@chatham-ma.gov
Phone: 508-945-5105

SELECT BOARD AGENDA REPORT

To: Honorable Select Board

From: Jill R. Goldsmith, Town Manager
Rob Faley, Director of Public Works

Date: September 9, 2025 (for the Select Board meeting of September 16, 2025)

Subject: Chatham Wells, PFAS, and Drinking Water Testing and Pumping Report and Drought Update

The following is a water supply update for the month of August 2025:

Chatham's wells have been pumping 12-18 hours per day.
The water tanks hit the low-level alarm six times this month all on either Wednesdays or Fridays: 8/8, 13, 15, 20, 22 & 27th.

Training Field Wells 5 and 8 – Permanent Treatment Facility

1. Project Update:

- Architectural work continues:
 - i. Roof, soffits, and gable ends are complete.
 - ii. Door canopy work is finished.
 - iii. Window and door frames being installed.
 - iv. Interior sheetrock work has started.
- Fire suppression sprinklers nearing completion.
- Well piping and valve work continues.
- HVAC work is ongoing.



Mill Pond Wells 10 and 11 – Pumping and Treatment Update

1. After Select Board action on September 2, 2025, all signed documents were returned to the Energy and Environmental Affairs Office on September 4th. We are waiting for the returned document with the Secretaries signature.

Veolia savings to Town of Chatham for the month of August: \$47,130 – (Water Only)

Water Sampling

- 30 bacteria samples were taken for the month of August and the results reported to DEP. All samples were free from bacteria.

Station Maintenance

- Routine and annual maintenance and housekeeping was performed at all stations.
- Static and dynamic (drawdowns) water level readings were recorded for each well.
- A new sump pump was installed for the drain at the water treatment plant.
- New ph and chlorine analyzers for South Chatham to measure both the 100-foot tap and 4 log calculations were installed. Station shut off from 21st – 25th for install.
- Transfer of KOH at wells 5 & 8
- New 100 Gallon day tank at SC

System Maintenance

- Hydrant painting continues.
- Backflow prevention device testing continues.
- A new sampling station was installed at Arbutus Trail.
- Bortolotti repaired a leak at 148 Horizon Drive.
- Unregistered Irrigation Inspections.

Meter Reading

- Water meter readings were completed for the month of August.

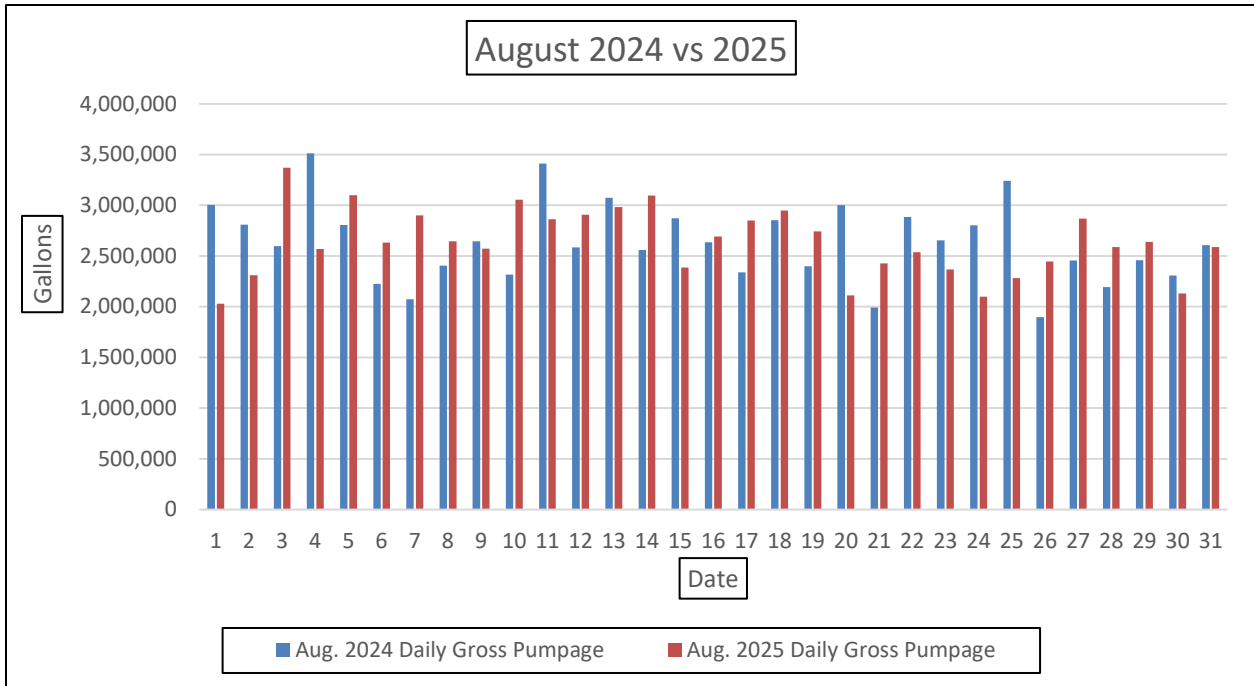
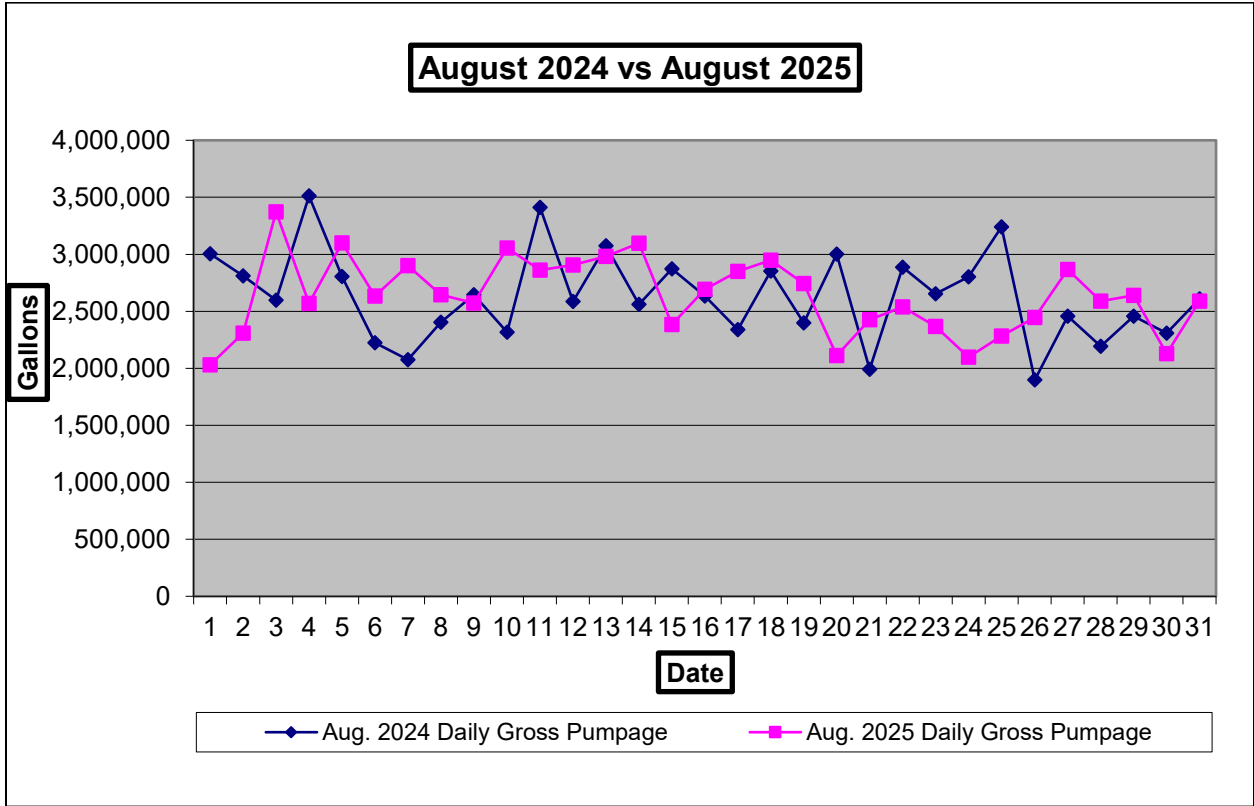
Meter Activities

Dig Safes	New	Final	Turn on/off	Repair	Replace & Install Radio	Inspections
184	30	16	33	32	7	38

August 2025 vs 2024 Pumping Comparison

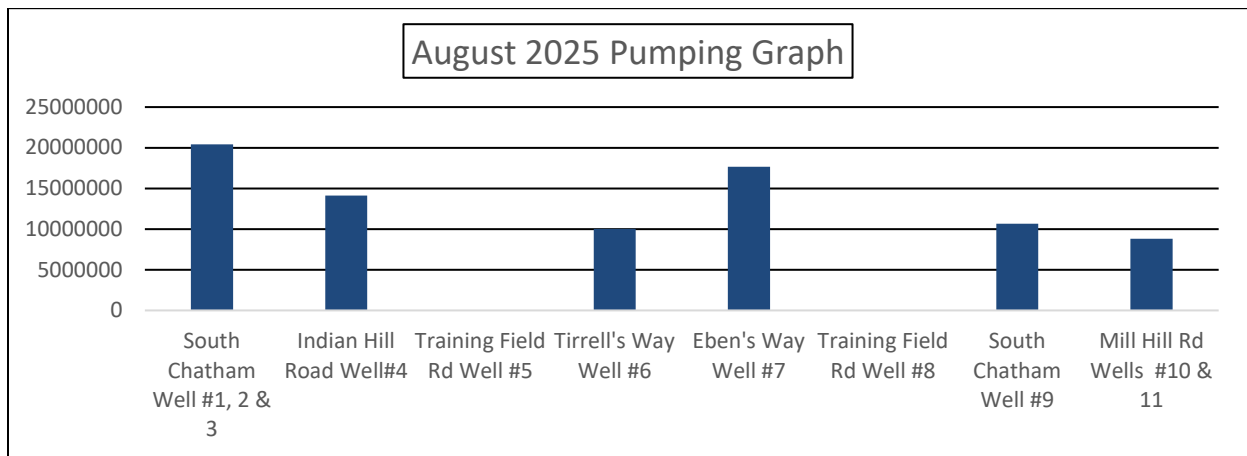
DATE	Aug. 2024 Daily Gross Pumpage	Aug. 2025 Daily Gross Pumpage	Aug. 2024 vs. Aug. 2025 Increase / Decrease (Gallons)	Aug. 2024 vs. Aug. 2025 Increase / Decrease (Percent)
1	3,005,500	2,030,600	(974,900)	-32%
2	2,809,800	2,309,500	(500,300)	-18%
3	2,598,200	3,371,500	773,300	30%
4	3,511,400	2,568,100	(943,300)	-27%
5	2,805,400	3,099,200	293,800	10%
6	2,225,400	2,633,500	408,100	18%
7	2,074,300	2,901,000	826,700	40%
8	2,404,600	2,646,100	241,500	10%
9	2,644,800	2,572,400	(72,400)	-3%
10	2,318,000	3,055,900	737,900	32%
11	3,410,100	2,862,200	(547,900)	-16%
12	2,585,700	2,905,300	319,600	12%
13	3,075,000	2,981,200	(93,800)	-3%
14	2,561,100	3,096,900	535,800	21%
15	2,871,300	2,384,900	(486,400)	-17%
16	2,634,300	2,693,500	59,200	2%
17	2,338,400	2,849,700	511,300	22%
18	2,854,100	2,947,800	93,700	3%
19	2,398,800	2,743,100	344,300	14%
20	3,002,500	2,111,700	(890,800)	-30%
21	1,991,900	2,427,500	435,600	22%
22	2,885,800	2,538,100	(347,700)	-12%
23	2,654,600	2,366,800	(287,800)	-11%
24	2,803,600	2,099,000	(704,600)	-25%
25	3,241,600	2,283,500	(958,100)	-30%
26	1,898,100	2,445,100	547,000	29%
27	2,457,100	2,867,900	410,800	17%
28	2,194,400	2,588,700	394,300	18%
29	2,458,200	2,639,000	180,800	7%
30	2,308,500	2,129,500	(179,000)	-8%
31	2,608,500	2,588,900	(19,600)	-1%
Total	81,631,000	81,738,100	107,100	0.1%

August 2024 vs 2025 Pumping Graphs



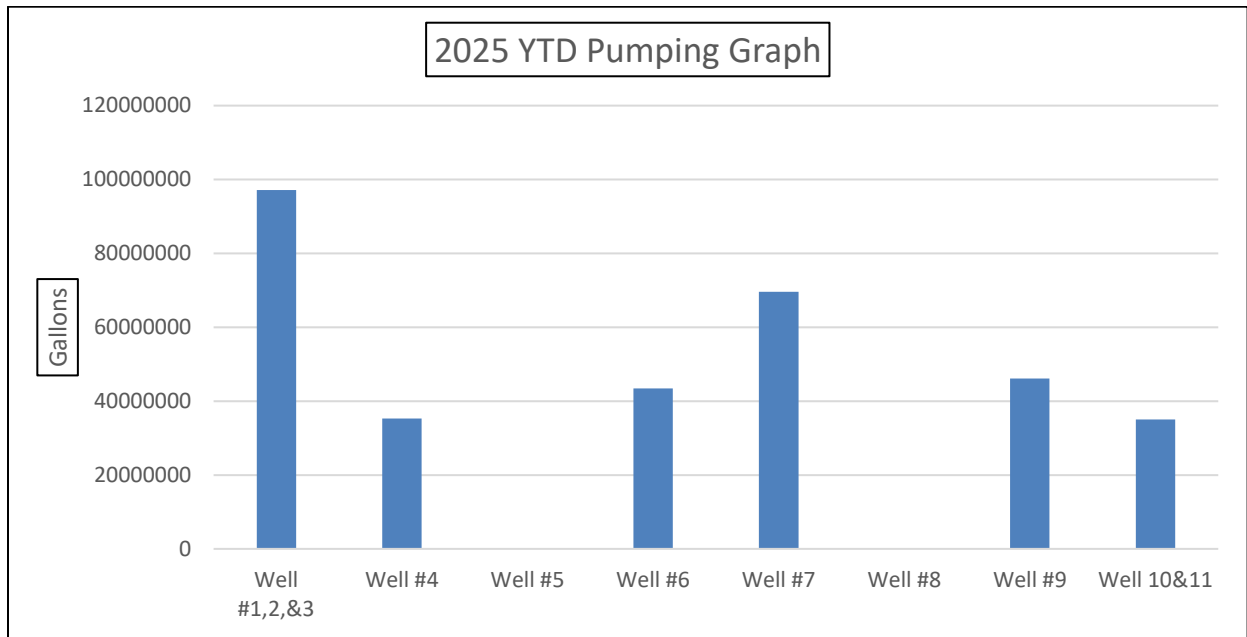
August 2025 Monthly Pumping Report

DATE	DAY	South Chatham Well #1, 2 & 3	Indian Hill Road Well#4	Training Field Rd Well #5	Tirrell's Way Well #6	Eben's Way Well #7	Training Field Rd Well #8	South Chatham Well #9	Mill Hill Rd Wells #10 & 11	Daily Gross Pumpage
1		642,200	346,600		210,700	353,900		230,000	247,200	2,030,600
2		629,200	342,500		304,600	536,000		311,900	185,300	2,309,500
3		990,600	529,000		379,500	657,800		396,000	418,600	3,371,500
4		794,500	423,200		306,700	531,800		317,500	194,400	2,568,100
5		597,700	392,100		482,300	814,500		524,700	287,900	3,099,200
6		795,200	454,700		294,700	530,400		300,300	258,200	2,633,500
7		860,200	491,100		325,100	569,900		332,700	322,000	2,901,000
8		827,800	386,000		306,400	526,000		323,900	276,000	2,646,100
9		803,500	411,600		281,200	496,600		285,900	293,600	2,572,400
10		982,600	550,000		354,400	599,400		351,900	217,600	3,055,900
11		876,700	492,800		283,700	504,300		325,400	379,300	2,862,200
12		816,000	409,900		385,400	672,500		390,400	231,100	2,905,300
13		941,100	494,200		359,000	628,000		368,800	190,100	2,981,200
14		906,100	523,700		359,900	607,000		371,300	328,900	3,096,900
15		614,600	240,300		354,500	621,400		378,700	175,400	2,384,900
16		824,700	427,200		287,000	505,200		291,100	358,300	2,693,500
17		863,400	507,400		317,900	547,000		334,700	279,300	2,849,700
18		935,300	425,800		338,100	589,400		334,800	324,400	2,947,800
19		855,500	489,900		382,900	566,000		366,500	82,300	2,743,100
20		603,500	324,200		216,600	483,400		266,400	217,600	2,111,700
21			539,500		379,100	647,700		509,500	351,700	2,427,500
22			670,800		409,100	714,500		314,300	429,400	2,538,100
23			506,000		402,100	695,600		417,200	345,900	2,366,800
24			465,700		341,400	605,100		335,700	351,100	2,099,000
25			639,000		348,200	601,200		366,600	328,500	2,283,500
26		130,200	548,500		381,400	679,000		388,500	317,500	2,445,100
27		1,003,400	532,600		261,500	435,700		279,100	355,600	2,867,900
28		848,200	487,200		259,000	422,100		258,000	314,200	2,588,700
29		930,000	414,500		235,100	464,300		305,400	289,700	2,639,000
30		660,700	364,300		184,600	409,800		261,300	248,800	2,129,500
31		678,000	312,100		305,700	650,500		429,200	213,400	2,588,900
Total		20,410,900	14,142,400		10,037,800	17,666,000		10,667,700	8,813,300	81,738,100
								Minimum		2,030,600
								Maximum		3,371,500
								Average		2,636,713



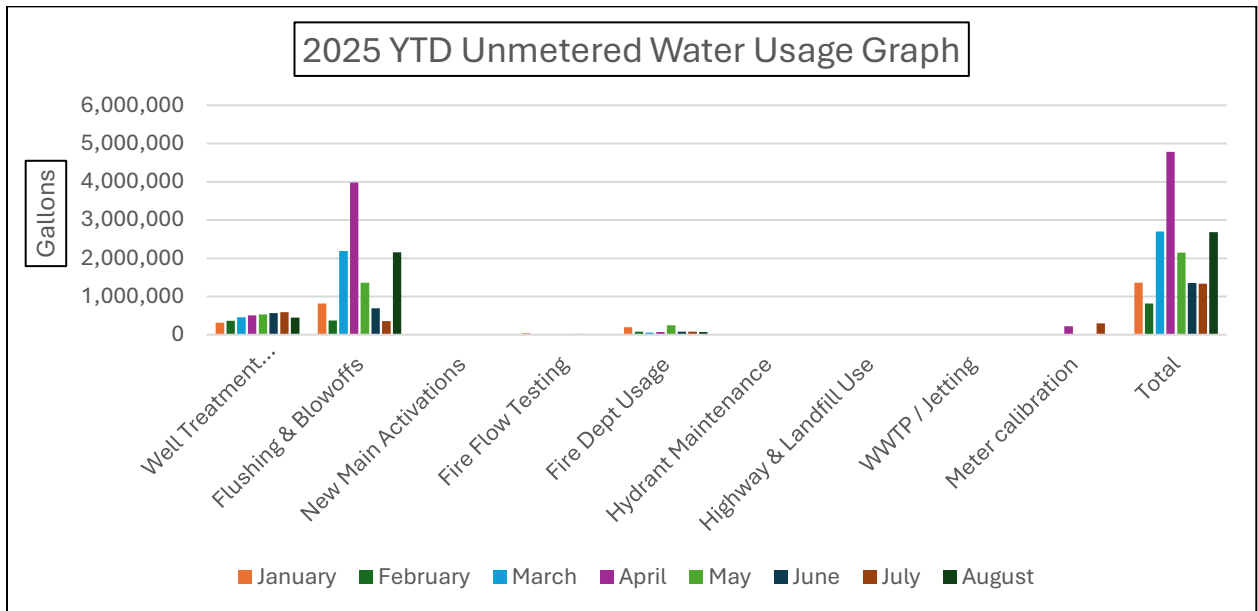
2025 YTD Pumping Report

	Well #1,2,&3	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Well 10&11	Monthly Total	Last Years Pumping	Variance
January	5,680,400	0	0	2,509,200	3,195,700	0	2,623,300	2,148,600	16,157,200	16,575,600	-418,400
February	5,126,000	0	0	2,143,400	2,872,300	0	2,301,200	832,200	13,275,100	14,695,600	-1,420,500
March	6,818,100	0	0	2,220,100	2,667,800	0	2,208,800	2,028,500	15,943,300	16,932,900	-989,600
April	7,889,300	0	0	3,126,000	4,075,800	0	3,278,300	2,554,100	20,923,500	21,779,800	-856,300
May	12,934,600	0	0	5,479,500	8,562,800	0	5,817,000	4,539,800	37,333,700	37,250,400	83,300
June	15,763,200	9,148,400	0	7,646,900	13,182,500	0	8,380,400	6,011,400	60,132,800	65,869,200	-5,736,400
July	22,504,900	12,033,700	0	10,273,300	17,361,000	0	10,837,200	8,092,700	81,102,800	81,654,700	-551,900
August	20,410,900	14,142,400	0	10,037,800	17,666,000	0	10,667,700	8,813,300	81,738,100	81,631,000	107,100
September									0		0
October									0		0
November									0		0
December									0		0
Totals	97,127,400	35,324,500	0	43,436,200	69,583,900	0	46,113,900	35,020,600	326,606,500	336,389,200	-9,782,700



2025 YTD Unmetered Water Usage

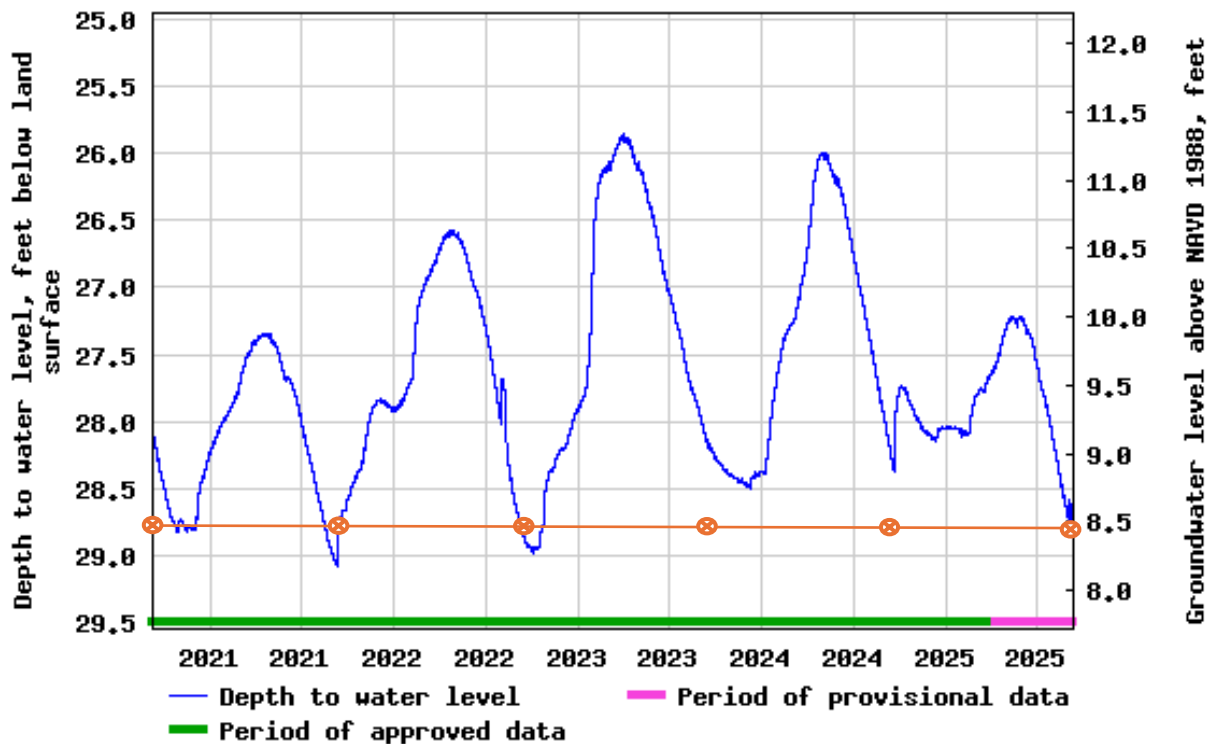
Type of use	January	February	March	April	May	June	July	August
Well Treatment Oper	315,152	365,521	452,949	505,300	534,856	568,654	593,761	446,817
Flushing & Blowoffs	815,425	374,600	2,189,654	3,977,575	1,359,700	687,945	356,782	2,158,000
New Main Activations	0	0	0	0	0	0	0	0
Fire Flow Testing	37,830	0	0	0	0	18,660		0
Fire Dept Usage	195,000	78,250	53,750	74,350	250,000	78,500	76,500	75,260
Hydrant Maintenance	0	0	0	0	0	0	0	0
Highway & Landfill Us	0	0	0	0	0	0	0	0
WWTP / Jetting	0	0	1,000	0	0	0	5,000	0
Meter Calibration				221,700			300,000	
Total	1,363,407	818,371	2,697,353	4,778,925	2,144,556	1,353,759	1,332,043	2,680,077



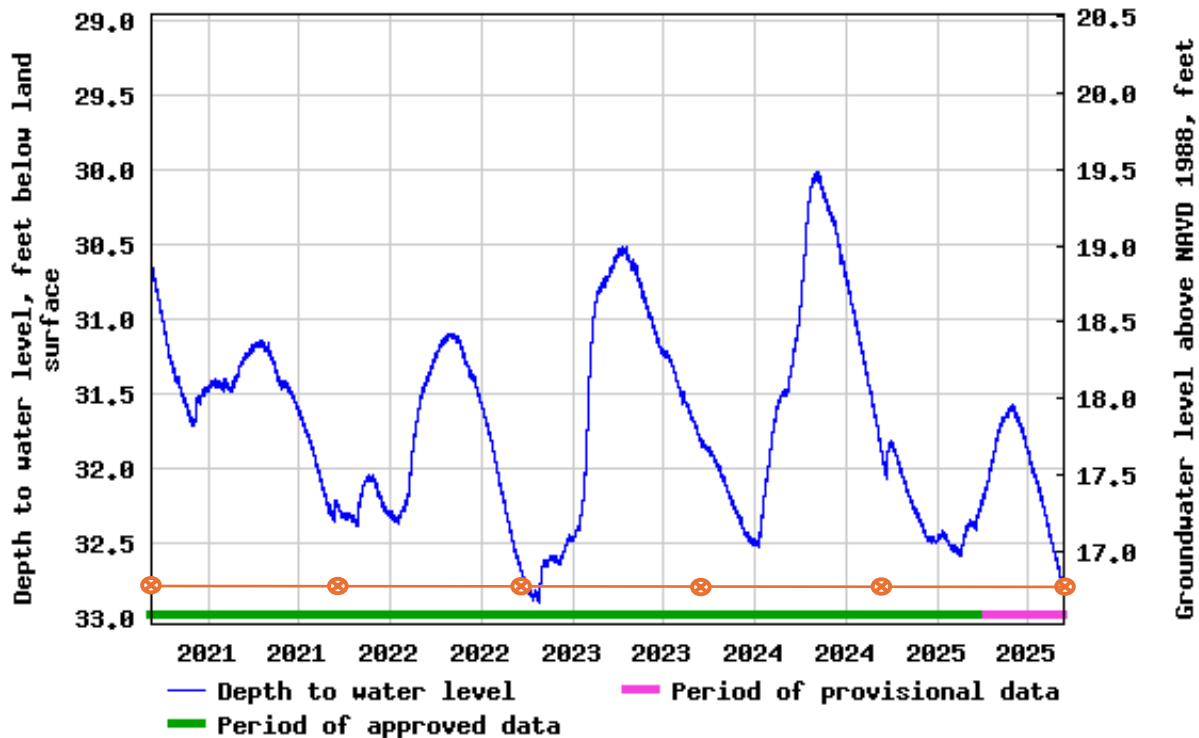
Chatham 5-year Pumping Comparison (Month of August)

Aug. Date	August 2021 Daily Gross Pumpage	Hours	August 2022 Daily Gross Pumpage	Hours	August 2023 Daily Gross Pumpage	Hours	August 2024 Daily Gross Pumpage	Hours	August 2025 Daily Gross Pumpage	Hours	Average Daily Pumpage (gallons)	Average Daily Pumpage (hours)
1	3,445,100	18.5	2,809,800	16	3,155,900	13	3,005,500	10	2,030,600	10	2,889,380	13.5
2	2,956,700	16.5	3,099,700	12	2,822,100	16	2,809,800	10	2,309,500	12	2,799,560	13.3
3	2,875,800	16	3,182,800	17	3,188,400	13	2,598,200	12	3,371,500	13.25	3,043,340	14.25
4	2,259,300	15.25	3,268,900	14	2,634,400	16	3,511,400	14	2,568,100	15	2,848,420	14.85
5	2,160,700	12	3,362,000	18	3,021,700	14	2,805,400	13.75	3,099,200	20	2,889,800	15.55
6	2,388,500	14.5	2,949,400	14	3,319,300	14	2,225,400	10	2,633,500	13	2,703,220	13.1
7	2,336,900	13.75	3,208,700	15	3,007,000	12	2,074,300	10.5	2,901,000	16	2,705,580	13.45
8	3,099,500	16	3,807,300	18	2,512,000	12	2,404,600	12	2,646,100	17	2,893,900	15
9	2,714,700	15	3,197,100	14	2,309,700	12	2,644,800	13	2,572,400	14	2,687,740	13.6
10	2,538,100	14	3,126,500	14	2,561,700	13	2,318,000	11	3,055,900	14	2,720,040	13.2
11	2,859,500	15.75	2,708,600	14	2,423,300	13	3,410,100	15.5	2,862,200	14.25	2,852,740	14.5
12	2,654,000	15	2,568,500	12	2,756,100	13	2,585,700	11.75	2,905,300	16.5	2,693,920	13.65
13	2,948,700	17	2,418,500	12	2,609,000	13	3,075,000	12	2,981,200	14.75	2,806,480	13.75
14	2,470,300	16	2,937,100	12	2,251,400	13	2,561,100	13.5	3,096,900	17	2,663,360	14.3
15	3,313,600	18	2,557,800	14	2,432,800	11	2,871,300	16.5	2,384,900	20	2,712,080	15.9
16	3,282,100	18.75	2,525,100	11	1,949,300	11.5	2,634,300	12.5	2,693,500	14	2,616,860	13.55
17	2,649,000	16	1,826,400	12	2,299,400	8	2,338,400	11.75	2,849,700	13.75	2,392,580	12.3
18	2,957,700	16.5	2,556,900	10	1,908,100	12	2,854,100	20	2,947,800	13	2,644,920	14.3
19	2,695,000	16	2,142,000	17	2,371,700	12	2,398,800	14.5	2,743,100	15	2,470,120	14.9
20	2,822,600	16	2,120,900	14	2,938,200	13	3,002,500	14	2,111,700	12.75	2,599,180	13.95
21	2,580,100	15	2,628,100	12	2,344,500	14	1,991,900	10	2,427,500	15.75	2,394,420	13.35
22	2,576,700	14.5	1,675,300	12	2,668,800	11	2,885,200	15	2,538,100	17.25	2,468,820	13.95
23	2,215,300	14	2,037,800	8	2,353,100	14	2,654,600	13.5	2,366,800	17.5	2,325,520	13.4
24	2,252,300	12.5	1,754,400	8	2,715,300	11	2,803,600	20	2,099,000	15.25	2,324,920	13.35
25	2,470,000	15	2,410,400	10	1,624,500	6	3,241,600	15	2,283,500	14.75	2,406,000	12.15
26	2,676,600	14.5	1,955,800	13	1,770,000	9	1,898,100	13	2,445,100	17	2,149,120	13.3
27	2,657,200	15	1,931,300	10	2,153,100	10	2,457,100	14	2,867,900	10.5	2,413,320	11.9
28	2,724,000	15.5	2,303,300	10	1,839,200	13	2,194,400	11.75	2,588,700	11	2,329,920	12.25
29	2,949,200	16.5	1,913,500	11	2,285,500	10	2,458,200	10	2,639,000	10.75	2,449,080	11.65
30	2,651,000	14.5	2,043,700	9	1,787,800	12	2,308,500	14	2,129,500	9.75	2,184,100	11.85
31	2,425,100	14.5	1,782,300	10	2,436,800	9	2,608,500	11	2,588,900	14.75	3,046,100	11.85
Total	83,605,300	478	78,809,900	393	76,450,100	374	81,630,400	406	81,738,100	450	79,103,900	419.9

USGS 414101070011001 MA-CGM 138R CHATHAM, MA



USGS 414632070014901 MA-BMW 22R BREWSTER, MA



Drought Update:

- Massachusetts Drought Task Force met on September 8, 2025 to review conditions throughout the Commonwealth.
- Where the only regions impacted in July were Cape Cod at a Level 2 – Significant Drought and Nantucket at a Level 1 – Mild Drought; conditions as a whole have worsened across the state.
- For August, Cape Cod remains at Level 2 – Significant Drought and all regions within Massachusetts are also increased to a Level 2 – Significant Drought with the exception of the Southeast Region at a Level 1 and only Martha’s Vineyard have normal conditions at a Level 0.

Thank you for your consideration. Should you have any questions regarding the foregoing, please contact me at (508) 945-5155 or rfaley@chatham-ma.gov .