



# Town of Chatham

549 Main Street, Chatham, MA 02633

(508) 945-5100

[www.chatham-ma.gov](http://www.chatham-ma.gov)



## Select Board

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Jeffrey Dykens, Vice Chair  
Stuart Smith, Clerk  
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## Town Manager

Jill R. Goldsmith  
[jgoldsmith@chatham-ma.gov](mailto: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: October 6, 2025 (for the Select Board meeting of October 14, 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 October 2025:

Chatham's wells have been pumping 7-14 hours per day.

The water tanks hit the low-level alarm two times this month: 9/3 and 9/5 (Wednesday and Friday).

### **Training Field Wells 5 and 8 – Permanent Treatment Facility**

#### 1. Project Update:

- Architectural work continues:
  - i. Windows and doors partially completed.
  - ii. Painting in some areas has begun.
- Process piping complete on green sand filters.
- Supply and return piping on GAC filters underway.
- HVAC work is ongoing and electrical work set to begin.



## **Mill Pond Wells 10 and 11 – Pumping and Treatment Update**

1. We received the signed Conservation Restriction from the Energy and Environmental Affairs Office on October 2nd. We filed it with the Registry of Deeds on October 3<sup>rd</sup> and are coordinating with DEP on flushing and testing protocol to have water from Well #10 introduced to Chatham's supply.

## **Irrigation Meter Update**

- 635 letters went out on August 22<sup>nd</sup>, to property owners who have a registered irrigation system, but no second meter installed (144 had already paid and 491 had not). Since then, we have sold over \$50,000 in irrigation meters. 173 irrigation meters have been installed for a total of 1,017 operable irrigation meters in Chatham.
- We have also verified that 37 properties who have previously registered are now on a well. 17 newly registered properties have come forward. When water bills go out this month, 153 properties will be billed the higher 80/20 split.
- As of 10/6, 148 properties have not paid for a second meter and at weeks' end, citations (\$300/day) will be mailed to them, the Town Clerk, and the Clerk-Magistrate. DPW worked with the Water and Sewer Advisory Committee to identify extenuating circumstances for properties who may temporarily be exempt from fines.

## **Water Sampling**

- 33 bacteria samples were taken for the month of September and one site, South Chatham Treatment Plant came back positive for total coliform, negative for E.Coli. All repeat samples were free from bacteria.
- Alkalinity and Orthophosphate samples were taken from the distribution system as well as the treatment plants.

## **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.
- EDR on site to work on SCADA upgrade.
- South Shore Generator completed generator maintenance at all stations.
- Fall River Electric repaired the VFD at Well 11.

### System Maintenance

- Hydrant painting continues.
- Backflow prevention device testing continues.
- Bortolotti Construction in town to work on several inoperable curb stops discovered during second meter installation.
- Daily double appointments for second meter installs.
- Unregistered irrigation inspections.

### Meter Reading

- Water meter readings were completed for the month of September.
- Re-Reads Completed.

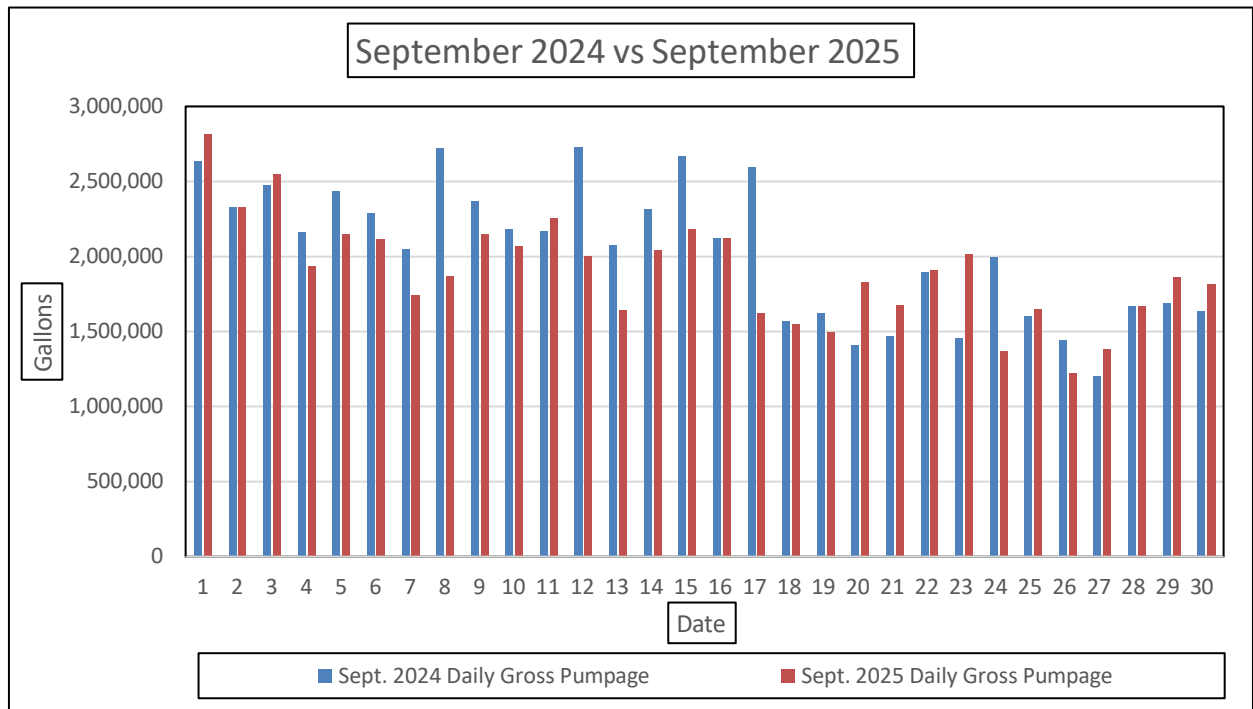
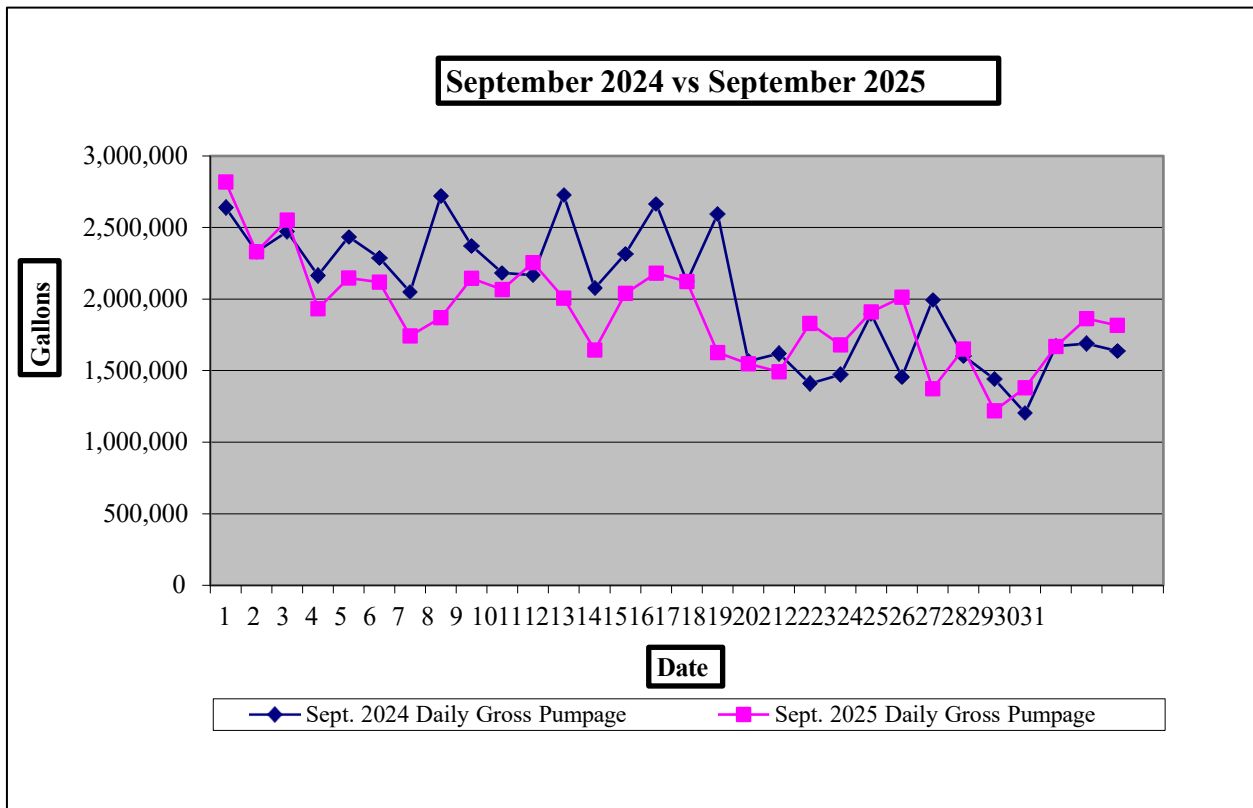
### Meter Activities

<b>Dig Safes</b>	<b>New</b>	<b>Final</b>	<b>Turn on/off</b>	<b>Repair</b>	<b>Replace &amp; Install Radio</b>	<b>Inspections</b>
295	101	28	104	19	19	63

September 2024 vs 2025  
Pumping Comparison

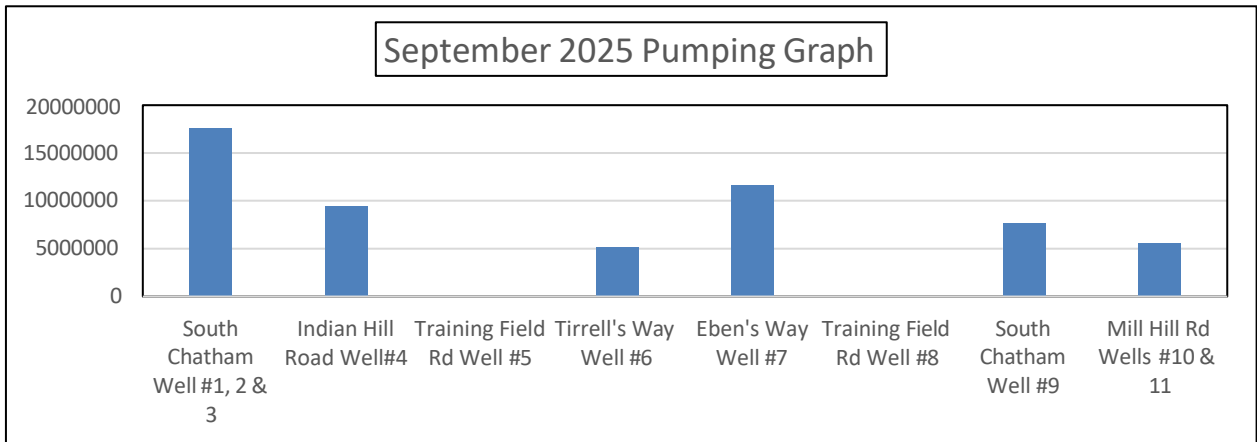
DATE	Sept. 2024 Daily Gross Pumpage	Sept. 2025 Daily Gross Pumpage	Sept. 2024 vs. Sept. 2025 Increase / Decrease (Gallons)	Sept. 2024 vs. Sept. 2025 Increase / Decrease (Percent)
1	2,638,700	2,817,200	178,500	7%
2	2,330,700	2,330,900	200	0%
3	2,472,000	2,551,100	79,100	3%
4	2,164,500	1,932,200	(232,300)	-11%
5	2,435,800	2,147,000	(288,800)	-12%
6	2,288,000	2,117,900	(170,100)	-7%
7	2,047,900	1,741,800	(306,100)	-15%
8	2,721,200	1,871,100	(850,100)	-31%
9	2,372,100	2,145,400	(226,700)	-10%
10	2,183,400	2,066,800	(116,600)	-5%
11	2,166,800	2,255,700	88,900	4%
12	2,726,400	2,006,300	(720,100)	-26%
13	2,074,600	1,644,100	(430,500)	-21%
14	2,316,700	2,039,700	(277,000)	-12%
15	2,665,300	2,179,800	(485,500)	-18%
16	2,122,100	2,122,300	200	0%
17	2,594,800	1,625,700	(969,100)	-37%
18	1,566,800	1,549,000	(17,800)	-1%
19	1,620,600	1,492,700	(127,900)	-8%
20	1,408,700	1,828,700	420,000	30%
21	1,473,000	1,679,200	206,200	14%
22	1,894,700	1,909,400	14,700	1%
23	1,455,800	2,013,200	557,400	38%
24	1,996,300	1,373,000	(623,300)	-31%
25	1,603,700	1,649,900	46,200	3%
26	1,441,400	1,219,900	(221,500)	-15%
27	1,204,300	1,379,700	175,400	15%
28	1,671,600	1,668,700	(2,900)	0%
29	1,689,000	1,863,100	174,100	10%
30	1,637,300	1,816,600	179,300	11%
31				
<b>Total</b>	<b>60,984,200</b>	<b>57,038,100</b>	<b>(3,946,100)</b>	<b>-6.5%</b>

## September 2024 vs 2025 Pumping Graphs



## September 2025 Monthly Pumping Report

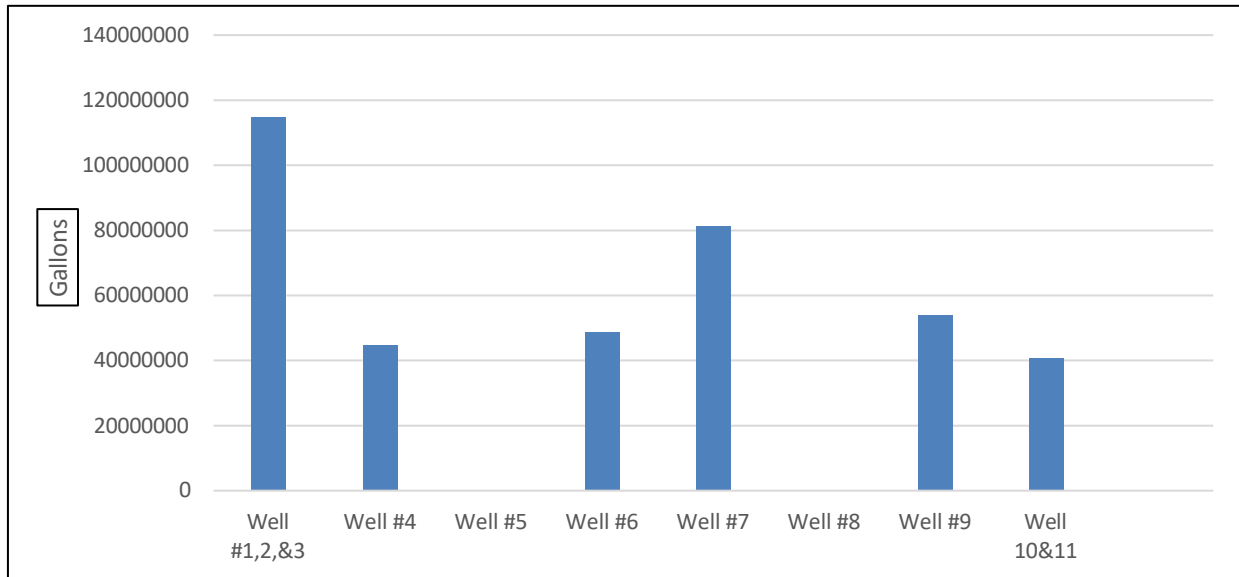
DATE	DAY	South Chatham Well #1, 2 & 3	Indian Hill Road Well#4	Training Field Rd Well #5	Tirrell's Way Well #6	Eben's Way Well #7	Training Field Rd Well #8	South Chatham Well #9	Mill Hill Rd Wells #10 & 11	Daily Gross Pumpage
1		830,300	437,000		273,900	590,400		392,800	292,800	2,817,200
2		510,400	338,600		258,300	547,400		357,200	319,000	2,330,900
3		788,000	462,100		231,300	514,200		318,100	237,400	2,551,100
4		579,300	320,900		186,300	400,800		230,400	214,500	1,932,200
5		718,900	362,600		189,400	400,000		382,500	93,600	2,147,000
6		774,700	413,400		199,300	429,600		300,900		2,117,900
7		611,000	350,300		168,400	373,700		238,400		1,741,800
8		556,500	263,700		176,200	391,300		230,200	253,200	1,871,100
9		599,000	381,400		205,900	444,700		283,200	231,200	2,145,400
10		698,100	314,800		175,900	398,000		267,500	212,500	2,066,800
11		725,100	367,100		192,200	418,600		283,600	269,100	2,255,700
12		601,400	327,000		215,300	470,900		311,600	80,100	2,006,300
13		517,600	282,100		139,800	306,600		203,800	194,200	1,644,100
14		620,800	371,500		172,500	379,700		247,100	248,100	2,039,700
15		747,900	125,700		233,000	509,800		331,400	232,000	2,179,800
16		612,700	371,000		187,900	445,000		263,600	242,100	2,122,300
17		575,600	265,600		53,100	320,000		217,200	194,200	1,625,700
18		448,900	249,900		141,600	309,300		216,500	182,800	1,549,000
19		475,100	247,100		125,600	284,700		184,600	175,600	1,492,700
20		577,200	306,100		158,600	353,200		222,900	210,700	1,828,700
21		380,000	358,900		157,300	363,900		235,400	183,700	1,679,200
22		581,300	282,600		178,800	399,600		269,600	197,500	1,909,400
23		626,900	351,600		173,900	398,100		247,000	215,700	2,013,200
24		434,800	257,900		103,600	247,700		165,700	163,300	1,373,000
25		489,400	272,200		150,900	347,700		180,200	209,500	1,649,900
26		369,400	197,500		99,800	215,700		184,100	153,400	1,219,900
27		383,700	246,900		116,200	286,900		178,000	168,000	1,379,700
28		613,700	322,100		157,900	348,400		226,600		1,668,700
29		573,100	262,800		182,700	387,500		266,200	190,800	1,863,100
30		575,000	298,400		161,500	352,800		234,300	194,600	1,816,600
31										
Total		17,595,800	9,408,800		5,167,100	11,636,200		7,670,600	5,559,600	57,038,100
								Minimum		1,219,900
								Maximum		2,817,200
								Average		1,839,939



## 2025 YTD Pumping Report

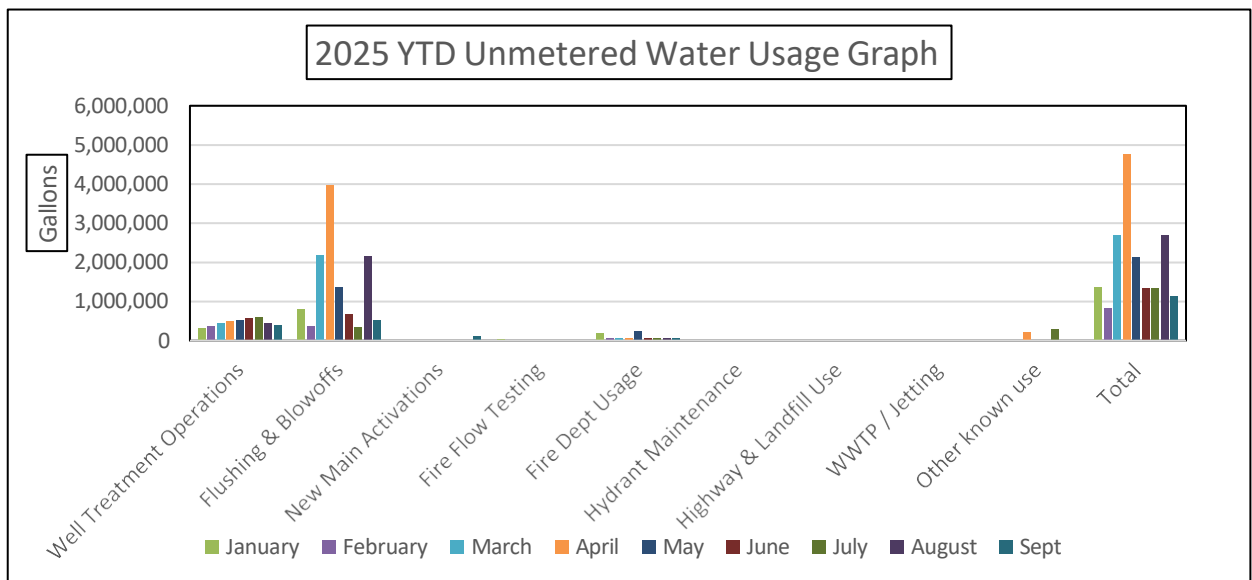
	Well #1,2,&3	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Well 10 & 11	Monthly Total	Last Years Pumping	Variance
January	5,680,400	0	0	2,509,200	3,195,700	0	2,623,300	2,148,600	16,157,200	16,575,600	-418,400
February	5,126,000	0	0	2,143,400	2,872,300	0	2,301,200	832,200	13,275,100	14,695,600	-1,420,500
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	17,595,800	9,408,800	0	5,167,100	11,636,200	0	7,670,600	5,559,600	57,038,100	60,984,200	-3,946,100
October									0		0
November									0		0
December									0		0
Totals	114,723,200	44,733,300	0	48,603,300	81,220,100	0	53,784,500	40,580,200	383,644,600	397,373,400	-13,728,800

## 2025 YTD Pumping Graph



## 2025 YTD Unmetered Water Usage

Type of use	January	February	March	April	May	June	July	August	Sept
Well Treatment Operations	315,152	365,521	452,949	505,300	534,856	568,654	593,761	446,817	395,537
Flushing & Blowoffs	815,425	374,600	2,189,654	3,977,575	1,359,700	687,945	356,782	2,158,000	528,900
New Main Activations	0	0	0	0	0	0	0	0	125,000
Fire Flow Testing	37,830	0	0	0	0	18,660	0	0	20,760
Fire Dept Usage	195,000	78,250	53,750	74,350	250,000	78,500	76,500	75,260	71,750
Hydrant Maintenance	0	0	0	0	0	0	0	0	0
Highway & Landfill Use	0	0	0	0	0	0	0	0	0
WWTP / Jetting	0	0	1,000	0	0	0	5,000	0	0
Other known use				221,700			300,000		
<b>Total</b>	<b>1,363,407</b>	<b>818,371</b>	<b>2,697,353</b>	<b>4,778,925</b>	<b>2,144,556</b>	<b>1,353,759</b>	<b>1,332,043</b>	<b>2,680,077</b>	<b>1,141,947</b>

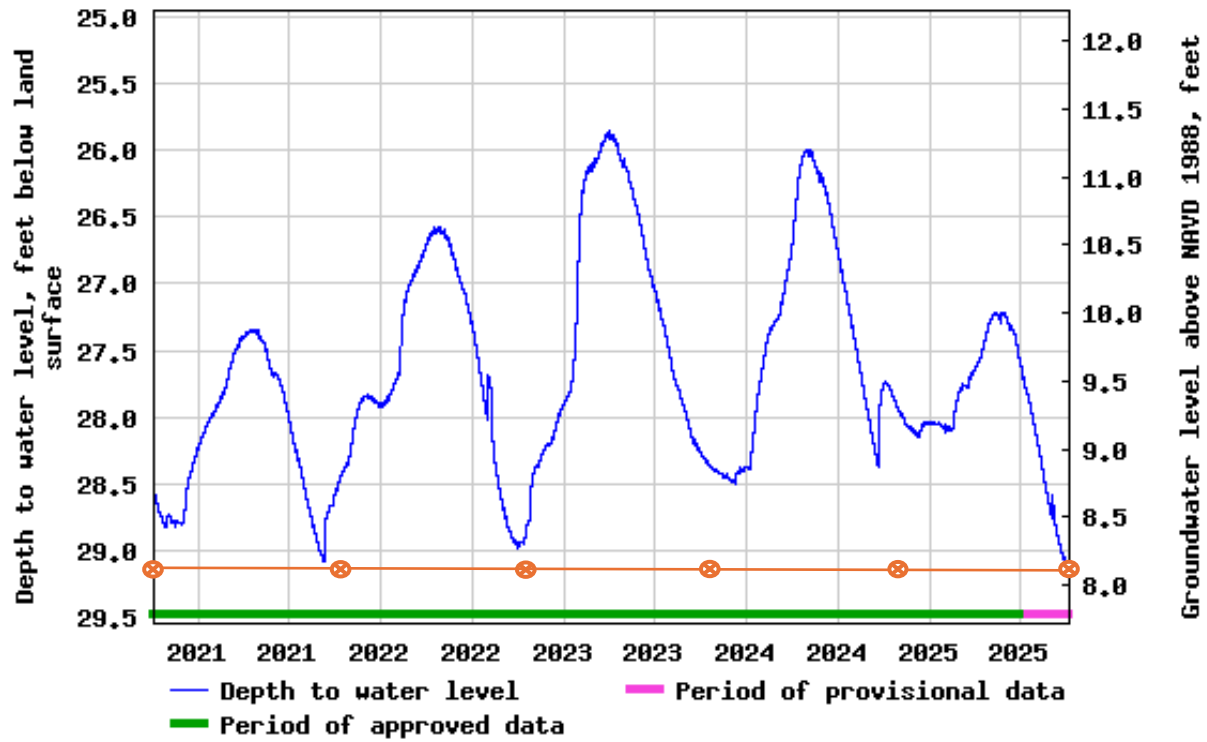


**Chatham 5-year Pumping Comparison (Month of September)**

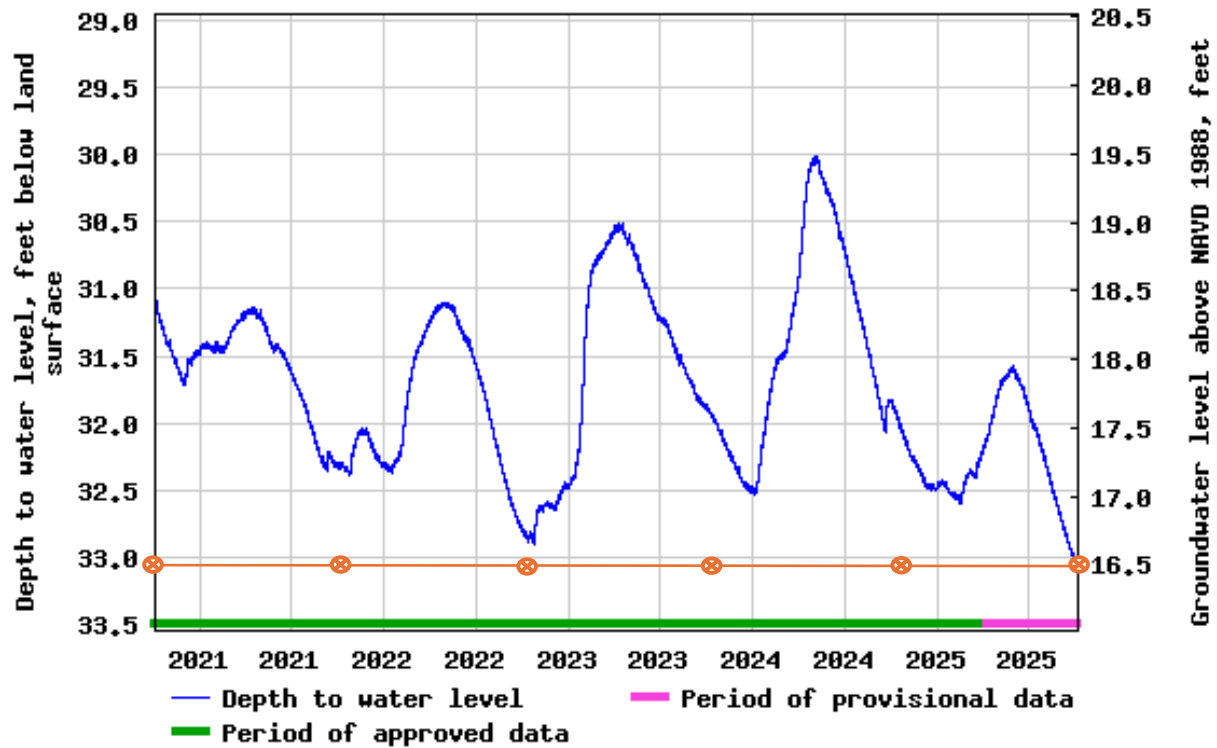
Date	September 2021 Daily Gross Pumpage	Hours	September 2022 Daily Gross Pumpage	Hours	September 2023 Daily Gross Pumpage	Hours	September 2024 Daily Gross Pumpage	Hours	September 2025 Daily Gross Pumpage	Hours	Average Daily Pumpage (gallons)	Average Daily Pumpage (hours)
1	2,109,100	12.75	2,016,600	9.75	2,293,000	11	2,638,700	12	2,817,200	14	2,374,920	11.9
2	1,910,200	11	2,068,300	10.5	2,514,200	12.5	2,330,700	11.25	2,330,900	8.5	2,230,860	10.75
3	2,240,800	13.5	1,995,100	9.75	2,850,900	14.5	2,472,000	13.25	2,551,100	13	2,421,980	12.8
4	2,398,700	13.5	2,290,100	11.5	2,465,300	11.75	2,164,500	9	1,932,200	10	2,250,160	11.15
5	2,527,000	14.75	1,667,400	8.5	2,528,700	12	2,435,800	12.75	2,147,000	12.25	2,261,180	12.05
6	2,109,100	12	1,526,100	7.5	1,913,300	9.5	2,288,000	13	2,117,900	13.25	1,990,880	11.05
7	2,405,700	14	1,477,500	7.25	2,586,600	12.5	2,047,900	11	1,741,800	10.25	2,051,900	11
8	2,110,300	12.5	1,794,400	9	2,149,500	10.5	2,721,200	17.5	1,871,100	9.25	2,129,300	11.75
9	1,816,500	11	1,568,300	8.25	2,251,000	11.5	2,372,100	14	2,145,400	10	2,030,660	10.95
10	1,491,200	10.5	1,761,400	9	2,236,600	10	2,183,400	9	2,066,800	11.75	1,947,880	10.05
11	1,887,300	14.25	1,996,800	10.5	1,793,200	11.5	2,166,800	13	2,255,700	12	2,019,960	12.25
12	2,194,700	14.75	1,125,800	5.75	1,942,200	10	2,726,400	14.5	2,006,300	10	1,999,080	11
13	2,185,400	15.75	1,415,200	7.25	1,463,200	9.5	2,074,600	10	1,644,100	8.75	1,756,500	10.25
14	1,977,100	14.25	1,358,000	7	2,119,600	9.25	2,316,700	13.75	2,039,700	10.5	1,962,220	10.95
15	2,009,000	15	1,504,500	7.5	1,313,300	7.25	2,665,300	14.5	2,179,800	12.5	1,934,380	11.35
16	1,374,600	10.25	1,591,600	7.5	1,729,800	10.5	2,122,100	14.75	2,122,300	10.25	1,788,080	10.65
17	1,254,000	10.25	1,476,000	7.25	2,111,200	6.75	2,594,800	14.5	1,625,700	9.75	1,812,340	9.7
18	1,521,800	11.5	1,680,900	9	1,355,200	8.75	1,566,800	7.5	1,549,000	8.25	1,534,740	9
19	1,853,700	12.75	1,494,200	7.25	1,841,000	10.5	1,620,600	10	1,492,700	8.5	1,660,440	9.8
20	1,488,400	11.75	1,530,600	7.5	1,502,000	6.5	1,408,700	9	1,828,700	10.25	1,551,680	9
21	1,490,400	10.25	1,348,100	5.5	2,005,900	11	1,477,800	10	1,679,200	6.5	1,600,280	8.65
22	1,456,200	11.25	1,228,400	5.75	1,432,500	7.25	1,894,900	13	1,909,400	9.75	1,584,280	9.4
23	1,510,100	19.5	1,188,600	5.25	1,333,400	9.5	1,455,800	10	2,013,200	10.5	1,500,220	10.95
24	1,341,000	8.75	1,376,400	7	1,599,700	7	1,996,300	9	1,373,000	7.25	1,537,280	7.8
25	1,182,500	9.25	1,463,600	8	1,197,800	7.25	1,603,700	7.75	1,649,900	8.25	1,419,500	8.1
26	1,384,600	9.75	1,172,000	6	1,716,500	9.5	1,441,400	9	1,219,900	6.25	1,386,880	8.1
27	1,220,900	9	1,493,600	7	1,368,700	7.25	1,204,300	9	1,379,700	6.5	1,333,440	7.75
28	1,169,800	8.5	1,233,700	6	1,811,300	9.5	1,671,600	8	1,668,700	10.25	1,511,020	8.45
29	1,074,400	9	1,339,000	7	1,165,200	6	1,689,000	11	1,863,100	7.5	1,426,140	8.1
30	1,163,100	9	1,127,800	5.5	1,290,000	6.5	1,637,300	10.5	1,816,600	9.5	1,406,960	8.2
<b>Total</b>	<b>51,857,600</b>	<b>360</b>	<b>46,310,000</b>	<b>231</b>	<b>55,880,800</b>	<b>287</b>	<b>60,989,200</b>	<b>342</b>	<b>57,038,100</b>	<b>295</b>	<b>54,415,140</b>	<b>302.9</b>

<b>Well 4 &amp; 5 Offline</b>	<b>Well 4 &amp; 8 Offline</b>	<b>Well 8 Offline</b>	<b>Well 5 &amp; 8 Offline</b>
		<b>Well 11 Online</b>	<b>Well 11 Online</b>

USGS 414101070011001 MA-CGM 138R CHATHAM, MA



USGS 414632070014901 MA-BMW 22R BREWSTER, MA



**Drought Update:**

- Massachusetts Drought Task Force met on October 8, 2025 to review conditions throughout the Commonwealth.
- This meeting took place after the filing of this report so the DPW Director will provide a verbal report of their recommendations.

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](mailto:rfaley@chatham-ma.gov) .