



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: December 3, 2025 (for the Select Board meeting of December 9, 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 November 2025:

Chatham's wells have been pumping 4-7 hours per day.
The water tanks did not hit the low-level alarm this month.

Training Field Wells 5 and 8 – Permanent Treatment Facility

1. Project Update:

- Outside:
 - i. Translucent panels have been completed.
 - ii. Retaining wall constructed.
 - iii. Duct bank around building has been installed.
 - iv. Underground power, gas, and fiber optic lines have been run. Just waiting on Eversource and National Grid to connect the site.
- Inside:
 - i. Heating system installed.
 - ii. Chemical feed tanks partially installed, room has been painted.
 - iii. Other trades are ongoing.





Irrigation Meter Update

- 635 letters went out on August 22nd, 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 \$93,800 (469) irrigation meters. 355 irrigation meters have been installed for a total of 1,210 operable irrigation meters in Chatham.
- We have also verified that 54 properties who have previously registered are now on a well. 39 properties have completely disconnected from the town's water supply. 40 properties are on the exception report.
- As of 12/3/25, 9 properties still have not paid for a second meter and have been fined \$17,700 so far.

Water Sampling

- 10 bacteria samples were taken for the month of November. All were free of bacteria.
- Alkalinity and Orthophosphate samples were taken from the treatment plants.
- Total Trihalomethanes and Haloacetic Acids were taken from the distribution system.
- Nitrates, Synthetic Organic, Volatile Organic, Gross Alpha Activity and Radium 226 & 228 samples were taken from Mill Hill Treatment Plant.

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.
- The pre-chlorine day tank at Morton Road cracked and a new one has been ordered.
- Temporary cl₂ tank installed at Morton, new tank 1/1/26
- Veolia staff replaced the undersized KOH day tank at the South Chatham treatment plant.

- Well #2 was off because of new master meter install.
- A new master meter at Well 2 was installed and wired and the well is now functioning properly.
- Well #4 is installed after repairs and shut down for the season.
- Hach @ Wells 10 & 11 for analyzer maintenance.

System Maintenance

- Backflow prevention device testing continues.
- Bortolotti repaired a leak on the 2” water main on Harbor View Lane caused by a leaking saddle.
- Bortolotti repaired 3 defective curb boxes and stops that were discovered during second meter installs.
- Continued irrigation meter inspection and installations.

Meter Reading

- Water meter readings were completed for the month of November.
- Re-Reads and meter replacements completed.

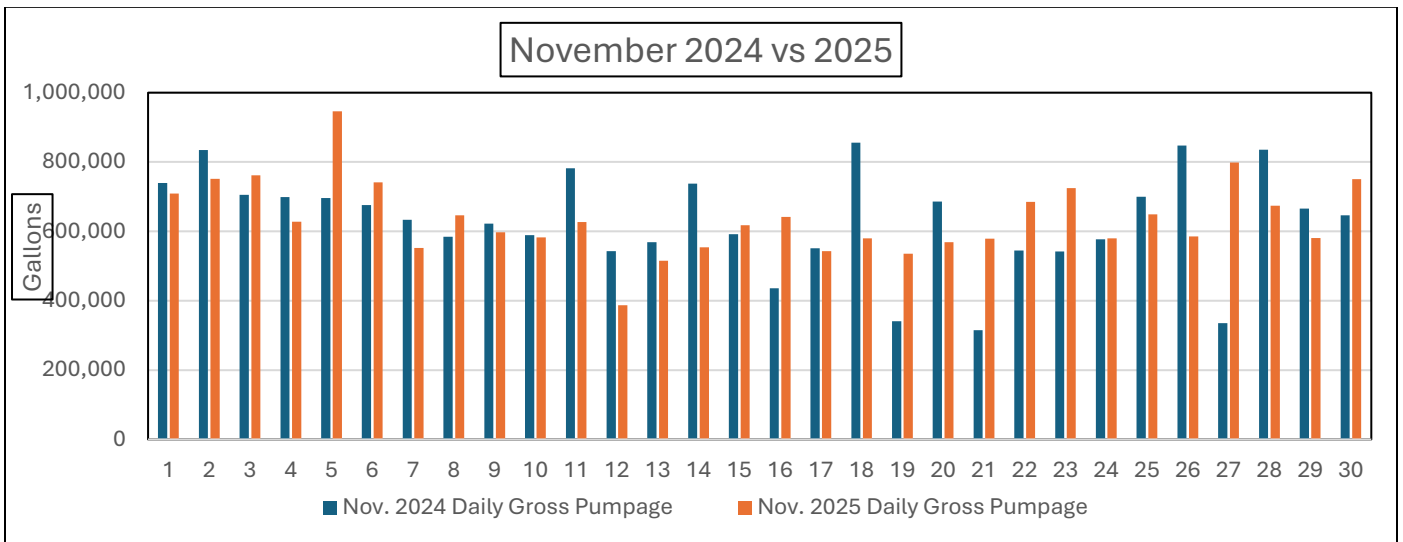
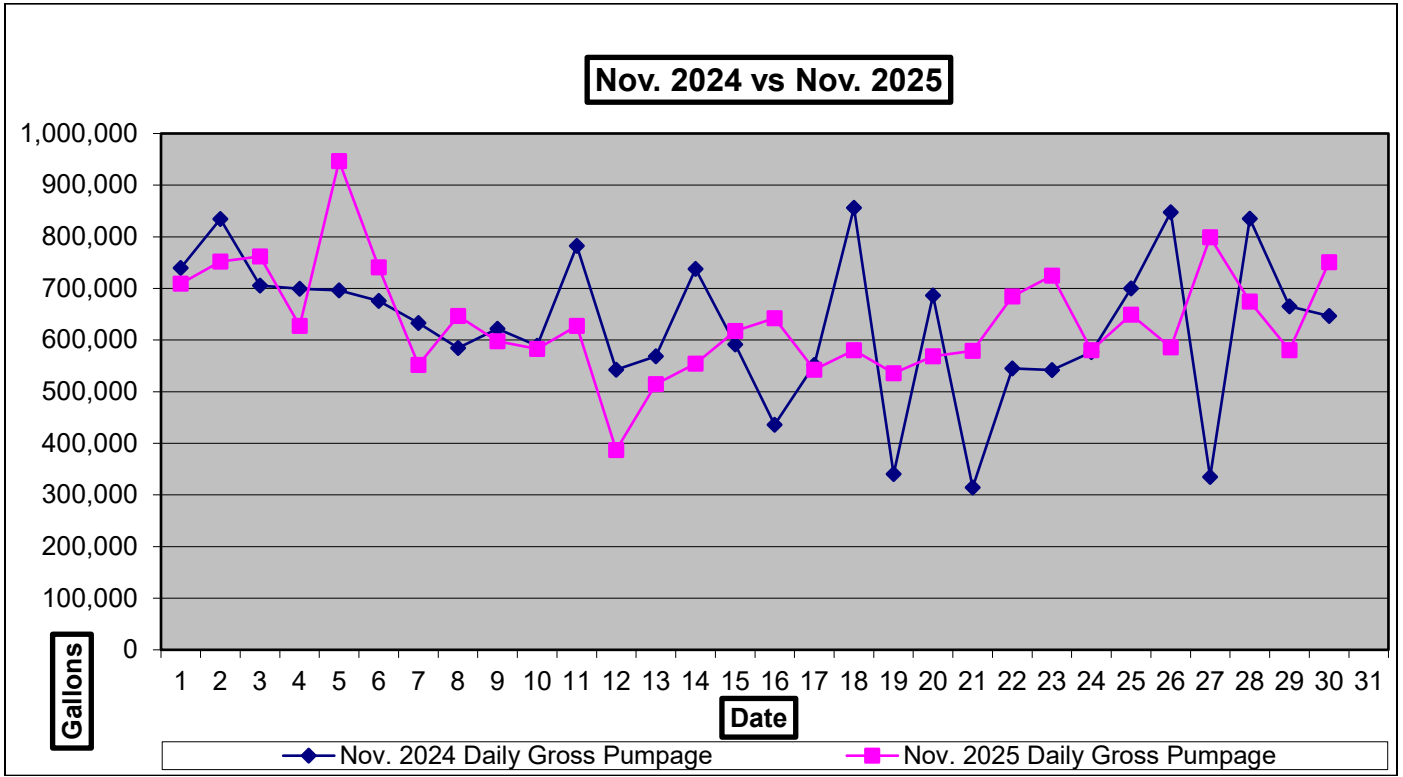
Meter Activities

Dig Safes	New	Final	Turn on/off	Repair	Replace & Install Radio	Inspections
159	74	14	225	36	11	29

**November 2024 vs 2025
Pumping Comparison**

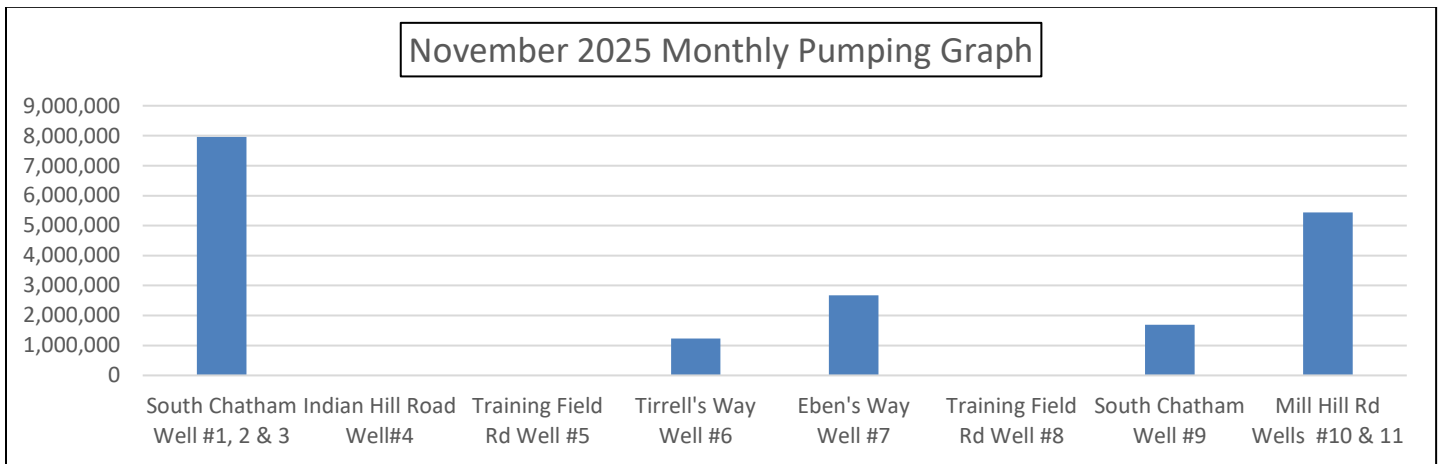
DATE	Nov. 2024 Daily Gross Pumping	Nov. 2025 Daily Gross Pumping	Nov. 2024 vs. Nov. 2025 Increase / Decrease (Gallons)	Nov. 2024 vs. Nov. 2025 Increase / Decrease (Percent)
1	739,700	709,300	(30,400)	-4%
2	834,400	751,700	(82,700)	-10%
3	705,400	761,600	56,200	8%
4	699,100	627,400	(71,700)	-10%
5	696,400	946,500	250,100	36%
6	675,500	741,000	65,500	10%
7	633,000	552,000	(81,000)	-13%
8	584,700	646,500	61,800	11%
9	621,900	597,400	(24,500)	-4%
10	588,700	582,800	(5,900)	-1%
11	782,300	627,200	(155,100)	-20%
12	542,600	386,900	(155,700)	-29%
13	568,800	514,900	(53,900)	-9%
14	738,000	554,400	(183,600)	-25%
15	591,600	617,700	26,100	4%
16	436,200	642,000	205,800	47%
17	551,600	542,800	(8,800)	-2%
18	856,000	580,000	(276,000)	-32%
19	340,700	535,600	194,900	57%
20	686,200	568,600	(117,600)	-17%
21	314,600	578,900	264,300	84%
22	545,000	684,700	139,700	26%
23	541,700	725,000	183,300	34%
24	576,800	580,000	3,200	1%
25	699,700	649,300	(50,400)	-7%
26	847,600	585,800	(261,800)	-31%
27	335,000	798,800	463,800	138%
28	835,200	674,400	(160,800)	-19%
29	665,500	580,500	(85,000)	-13%
30	646,500	750,800	104,300	16%
	-	-	-	-
Total	18,880,400	19,094,500	214,100	1.1%

November 2024 vs 2025 Pumping Graphs



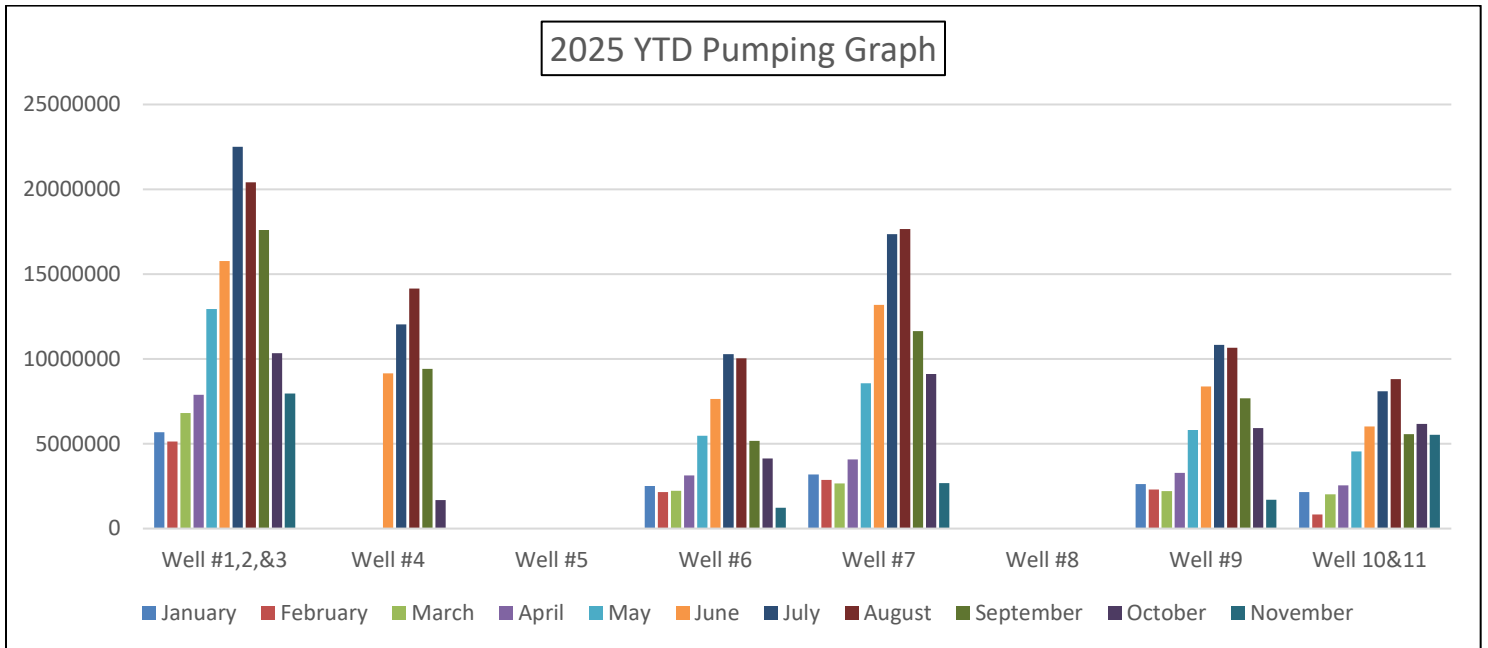
November 2025 Monthly Pumping Report

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		141,200			92,100	204,400		134,400	137,200	709,300
2		144,200			100,300	223,500		143,500	140,200	751,700
3		202,000			87,100	211,100		114,500	146,900	761,600
4		100,400			79,500	170,200		130,600	146,700	627,400
5		233,200			164,500	196,200		126,300	226,300	946,500
6		250,000			76,400	182,200		117,700	114,700	741,000
7		144,200			58,400	151,400		79,900	118,100	552,000
8		161,900			75,500	158,800		117,700	132,600	646,500
9		145,900			57,500	161,800		83,000	149,200	597,400
10		130,600			74,100	154,200		119,100	104,800	582,800
11		327,500							299,700	627,200
12		386,900								386,900
13		429,000							85,900	514,900
14		339,800							214,600	554,400
15		379,100							238,600	617,700
16		382,600							259,400	642,000
17		321,300							221,500	542,800
18		413,500							166,500	580,000
19		327,300							208,300	535,600
20		348,300							220,300	568,600
21		352,500							226,400	578,900
22		399,200							285,500	684,700
23		649,600							75,400	725,000
24		199,800							290,200	490,000
25		302,600			2,800	14,800		300	328,800	649,300
26		81,000			67,100	150,700		104,600	182,400	585,800
27		205,100			82,900	187,400		124,400	199,000	798,800
28		147,500			74,400	170,100		103,900	178,500	674,400
29		147,200			57,300	140,000		89,800	146,200	580,500
30		168,300			80,800	198,100		106,300	197,300	750,800
Total		7,961,700			1,230,700	2,674,900		1,696,000	5,441,200	19,004,500
								Minimum		386,900
								Maximum		946,500
								Average		633,483



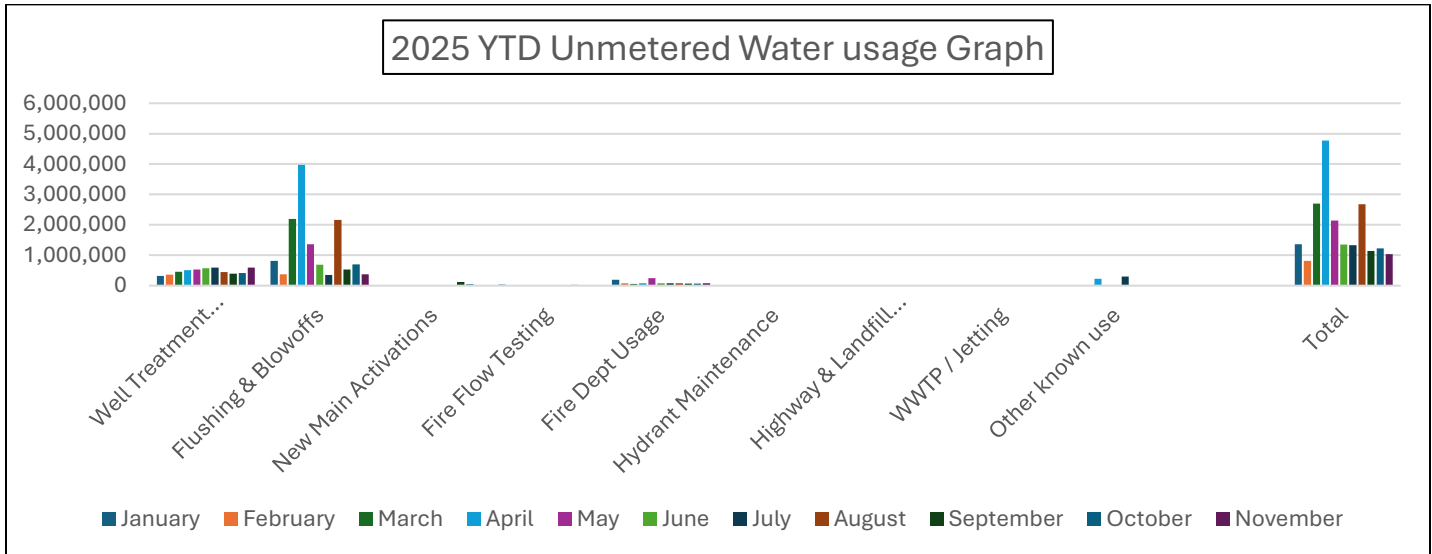
2025 YTD Pumping Report

	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	10,339,200	1,671,000	0	4,133,600	9,104,100	0	5,916,500	6,165,100	37,329,500	37,313,100	16,400
November	7,961,700	0	0	1,230,700	2,674,900	0	1,696,000	5,531,200	19,094,500	18,880,400	214,100
December									0		0
Totals	133,024,100	46,404,300	0	53,967,600	92,999,100	0	61,397,000	52,276,500	440,068,600	453,566,900	-13,498,300



2025 YTD Unmetered Water Usage

Type of use	January	February	March	April	May	June
Well Treatment Operations	315,152	365,521	452,949	505,300	534,856	568,654
Flushing & Blowoffs	815,425	374,600	2,189,654	3,977,575	1,359,700	687,945
New Main Activations	0	0	0	0	0	0
Fire Flow Testing	37,830	0	0	0	0	18,660
Fire Dept Usage	195,000	78,250	53,750	74,350	250,000	78,500
Hydrant Maintenance	0	0	0	0	0	0
Highway & Landfill Use	0	0	0	0	0	0
WWTP / Jetting	0	0	1,000	0	0	0
Other known use				221,700		
Total	1,363,407	818,371	2,697,353	4,778,925	2,144,556	1,353,759
Type of use	July	August	September	October	November	December
Well Treatment Operations	593,761	446,817	395,537	412,698	591,769	
Flushing & Blowoffs	356,782	2,158,000	528,900	698,000	375,800	
New Main Activations	0	0	125,000	43,250	0	
Fire Flow Testing	0	0	20,760	0	0	
Fire Dept Usage	76,500	75,260	71,750	70,275	73,650	
Hydrant Maintenance	0	0	0	0	0	
Highway & Landfill Use	0	0	0	0	0	
WWTP / Jetting	5,000	0	0	0	0	
Other known use	300,000					
Total	1,332,043	2,680,077	1,141,947	1,224,223	1,041,219	0
Year To Date Usage	20,575,880					

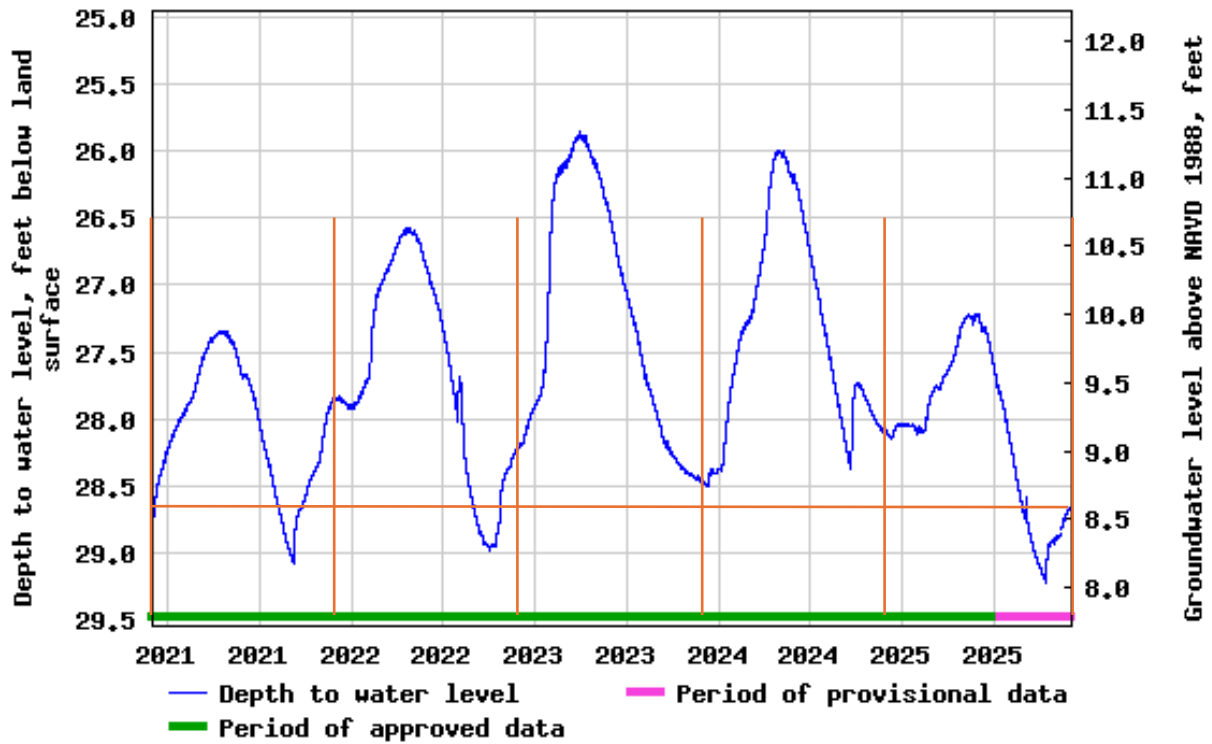


Chatham 5-year Pumping Comparison (Month of November)

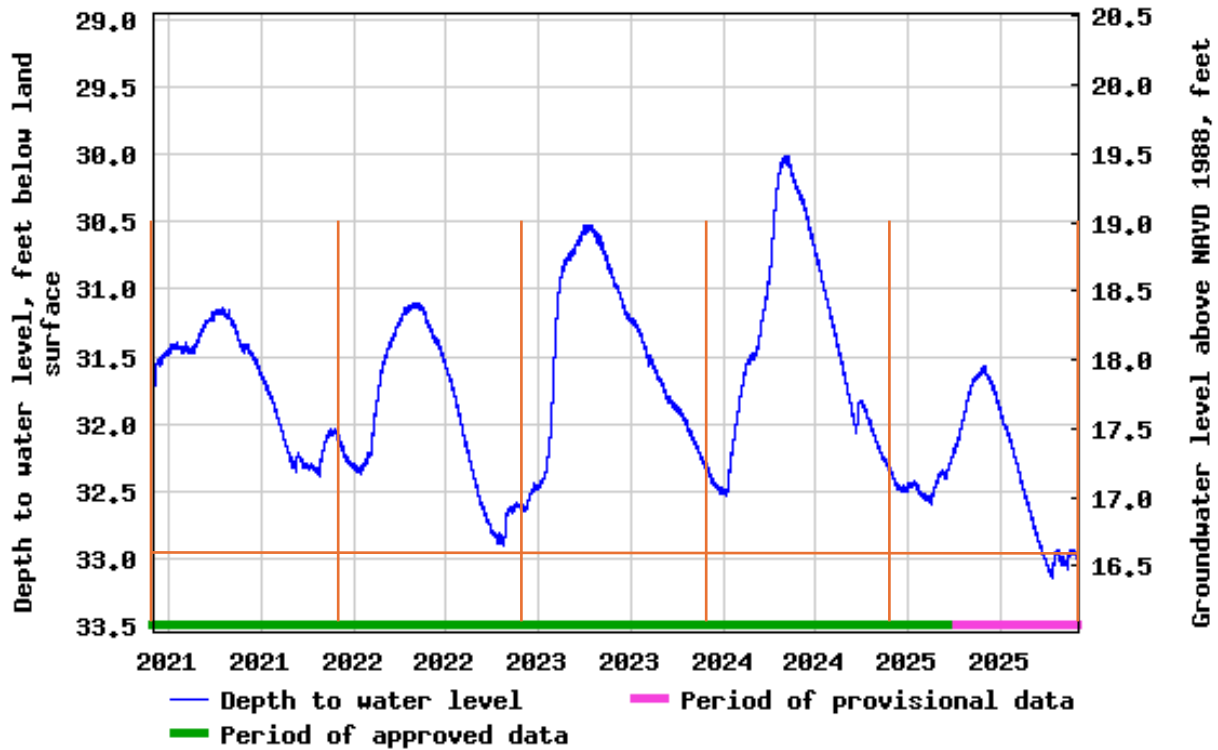
Nov. Date	November 2021 Daily Gross Pumpage	Hours	November 2022 Daily Gross Pumpage	Hours	November 2023 Daily Gross Pumpage	Hours	November 2024 Daily Gross Pumpage	Hours	November 2025 Daily Gross Pumpage	Hours	Average Daily Pumpage (gallons)	Average Daily Pumpage (hours)
1	607,600	5	644,200	4.5	680,700	6	739,700	8	709,300	7	676,300	6.05
2	677,000	4	718,500	4	735,200	4	834,400	8.75	751,700	7.25	743,360	5.6
3	554,000	5	607,700	4.5	687,200	4	705,400	7	761,600	7	663,180	5.5
4	710,900	5	727,400	4	789,900	4	699,100	7.25	627,400	6.75	710,940	5.4
5	462,000	4	630,600	4	726,200	4	696,400	6.5	946,500	7	692,340	5.1
6	644,700	5	788,600	4	868,900	4	675,500	6.75	741,000	6	743,740	5.15
7	765,200	5	668,200	4	582,400	4	633,000	6.25	552,000	5.5	640,160	4.95
8	492,700	4	597,300	3	684,400	3	584,700	5	646,500	6	601,120	4.2
9	665,900	4	639,000	4	770,500	3	621,900	5.25	597,400	5	658,940	4.25
10	397,600	5	588,700	5	597,500	3	588,700	5	582,800	5	551,060	4.6
11	587,000	4	818,900	4	767,000	4	782,300	6.5	627,200	5.5	716,480	4.8
12	602,100	2	578,700	4	627,300	4	542,600	3	386,900	4.5	547,520	3.5
13	549,100	5	766,700	4	598,500	3	568,800	6	514,900	5.5	599,600	4.7
14	612,600	3	531,700	4	631,500	3	738,000	6	554,400	5	613,640	4.2
15	581,200	4	621,500	3	579,900	4	591,600	7	617,700	7	598,380	5
16	544,800	4	585,200	4	611,200	4	436,200	8	642,000	7	563,880	5.4
17	530,500	3	626,000	4	434,700	3	551,600	7	542,800	6.25	537,120	4.65
18	464,400	4	629,200	5	601,400	4	856,000	8.25	580,000	5.25	626,200	5.3
19	473,400	3.25	647,300	4	616,600	4	340,700	5.75	535,600	5	522,720	4.4
20	540,100	4.5	612,000	4	534,700	2	686,200	8	568,600	5.5	588,320	4.8
21	590,200	3	624,000	4	659,500	3	314,600	4	578,900	5.5	553,440	3.9
22	558,800	5	645,100	3.5	548,300	5	545,000	7	684,700	6.75	596,380	5.45
23	631,300	4	704,200	5	676,300	6	541,700	6.5	725,000	7	655,700	5.7
24	507,900	5	770,400	4.5	1,096,000	4	576,800	6	580,000	6.5	706,220	5.2
25	648,700	5	669,600	3	647,800	5	699,700	8.5	649,300	6.75	663,020	5.65
26	744,400	5	778,400	4.25	654,500	5	847,600	7.5	585,800	6	722,140	5.55
27	630,100	4	707,700	4	605,700	4	335,000	6.25	798,800	7	615,460	5.05
28	648,900	4	529,700	5	711,300	2	835,200	9.75	674,400	6.75	679,900	5.5
29	535,000	5	586,600	5	559,700	2	665,500	7.5	580,500	5.5	585,460	5
30	443,600	4	617,400	5	612,500	4	646,500	7.25	750,800	6.75	614,160	5.4
31												
Total	17,401,700	127	19,660,500	124	19,897,300	114	18,880,400	201	19,094,500	184	18,986,880	149.95

Well Status	Wells 4 & 5 Offline	Wells 4 & 8 Offline	Wells 4 & 8 Offline	Wells 4, 5 & 8 Offline	Wells 4, 5 & 8 Offline	Wells 4, 5 & 8 Offline	Wells 10 & 11 Online

USGS 414101070011001 MA-CGW 138R CHATHAM, MA



USGS 414632070014901 MA-BMW 22R BREWSTER, MA



Drought Update:

- Massachusetts Drought Task Force met on December 8, 2025, to review conditions throughout the Commonwealth.
- Any updates to the drought status will be updated at the Select Board meeting.

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.