



Town of Chatham

549 Main Street, Chatham, MA 02633

(508) 945-5100

www.chatham-ma.gov



Select Board

Dean P. Nicasro, Chair
Jeffrey Dykens, Vice Chair
Stuart Smith, Clerk
Shareen Davis, Member
Cory Metters, Member

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: July 14, 2025 (for the Select Board meeting of July 22, 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 June 2025:

Chatham's wells have been pumping 8-16 hours per day.
The water tanks did not hit low level alarm this month.

Training Field Wells 5 and 8 – Permanent Treatment Facility

1. Project Update:

- Exterior brick work is complete.
- Roof work continues with underlayment installation.
- Gable end framing and sheathing.
- Interior piping work ongoing.



Mill Pond Wells 10 and 11 – Pumping and Treatment Update

1. The Town has returned the signed and notarized conservation restriction back to the Energy and Environmental Affairs Office. Waiting for Secretary's signature.

Water Sampling

- 30 bacteria samples were taken for the month of June and the results reported to DEP. All samples were free of bacteria.
- Monthly treatment plant samples for Alkalinity and Orthophosphates were taken in addition to all distribution sampling sites.
- A Nitrate sample was taken from Well 4.
- 60 residential lead and copper samples were collected along with samples from the two public schools and 2 daycares. All results were below the action level.

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 VFD at well 1 was replaced.
- Well 4 was put back into service for the summer season.
- A new chemical transfer pump was installed at the WTP by in-house staff.
- EDR finished SCADA upgrade.

System Maintenance

- Hydrant painting continued. Hydrants on Main Street in the downtown area were painted in preparation for the 4th of July parade.
- Fire hydrant on Bassett Lane was repaired in-house.
- Backflow prevention device testing continues.
- BCI repaired water service at 55 Linnell Ln.
- Fire Flow test at Munson Meeting Way.

Meter Reading

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

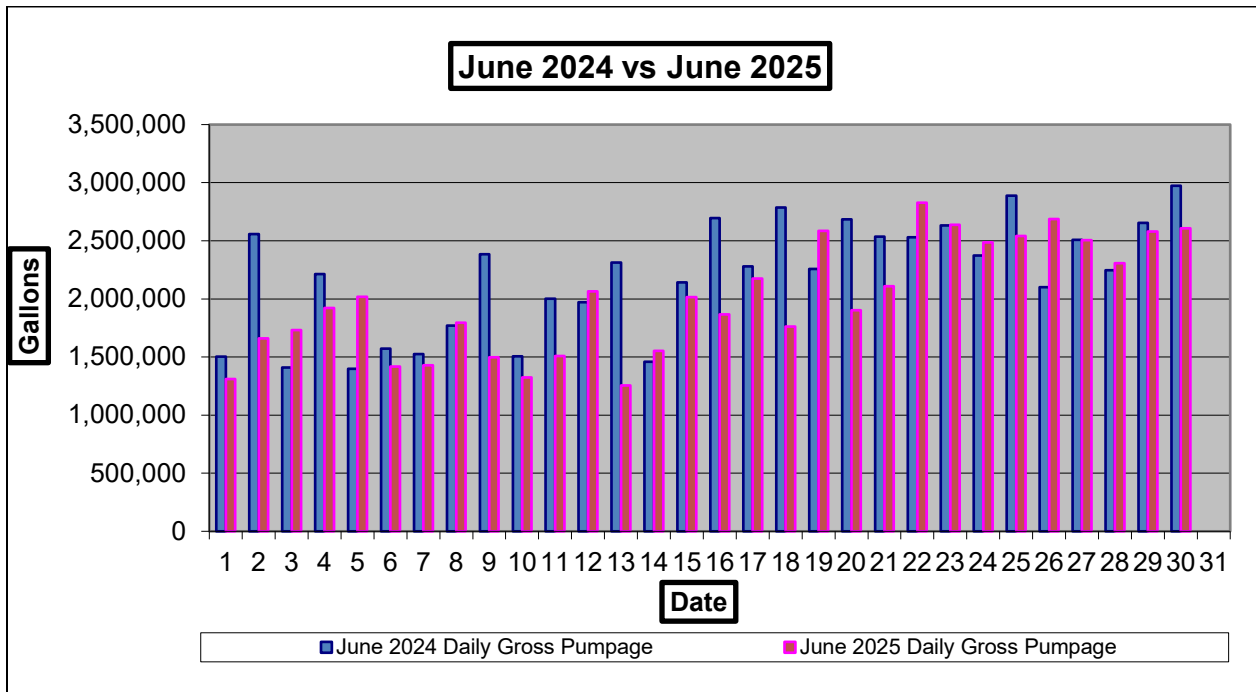
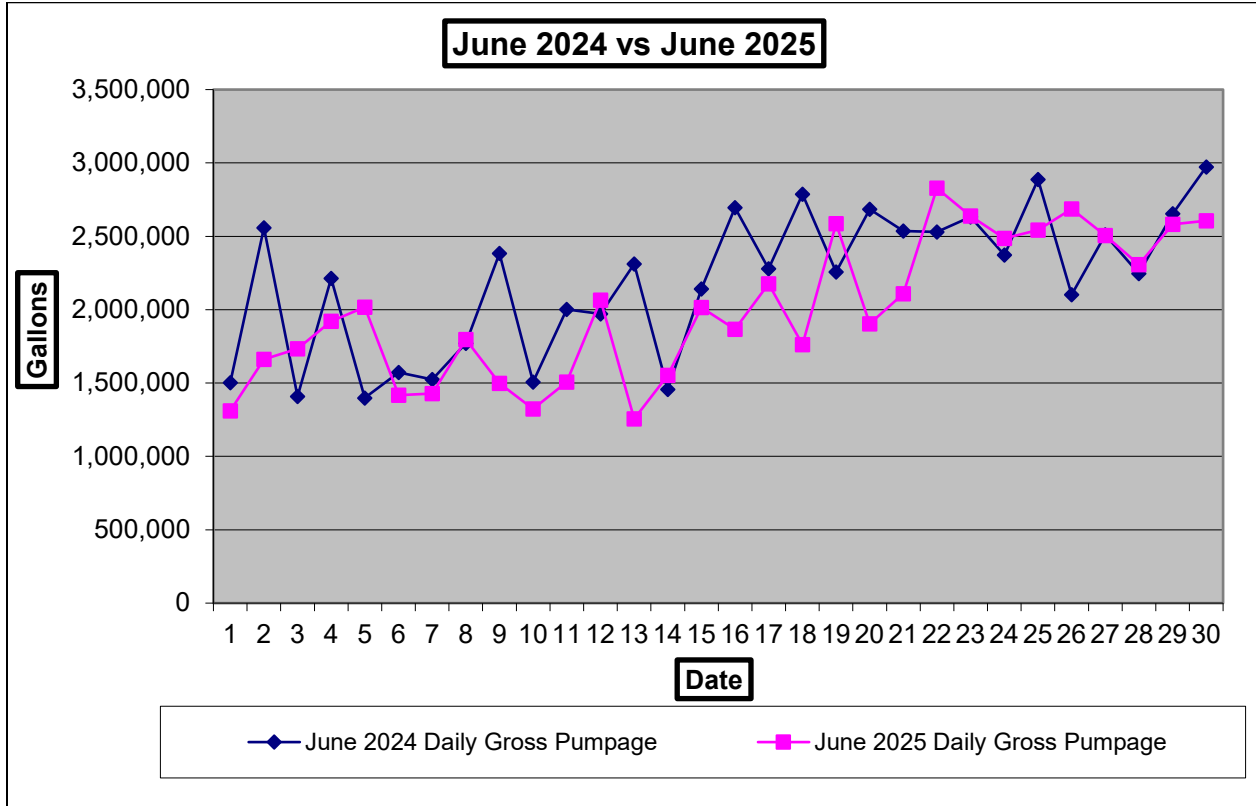
Meter Activities

Dig Safes	New	Final	Turn on/off	Repair	Replace & Install Radio	Inspections
241	8	16	18	24	21	16

June 2025 vs 2024
Pumping Comparison

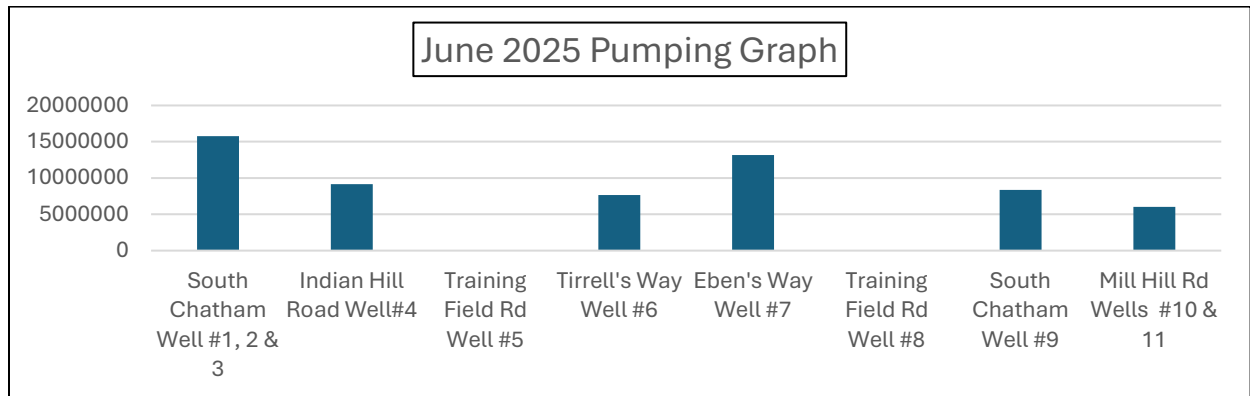
DATE	June 2024 Daily Gross Pumpage	June 2025 Daily Gross Pumpage	June 2024 vs. June 2025 Increase / Decrease (Gallons)	June 2024 vs. June 2025 Increase / Decrease (Percent)
1	1,502,100	1,309,600	(192,500)	-13%
2	2,557,600	1,660,900	(896,700)	-35%
3	1,408,300	1,732,900	324,600	23%
4	2,212,600	1,920,900	(291,700)	-13%
5	1,398,800	2,017,900	619,100	44%
6	1,571,700	1,417,300	(154,400)	-10%
7	1,523,800	1,428,600	(95,200)	-6%
8	1,771,000	1,796,100	25,100	1%
9	2,383,800	1,498,100	(885,700)	-37%
10	1,506,600	1,323,500	(183,100)	-12%
11	2,000,900	1,507,300	(493,600)	-25%
12	1,971,900	2,065,400	93,500	5%
13	2,312,100	1,255,900	(1,056,200)	-46%
14	1,457,700	1,553,400	95,700	7%
15	2,141,700	2,015,500	(126,200)	-6%
16	2,696,100	1,865,600	(830,500)	-31%
17	2,279,700	2,175,800	(103,900)	-5%
18	2,786,400	1,760,900	(1,025,500)	-37%
19	2,257,000	2,585,600	328,600	15%
20	2,684,000	1,903,200	(780,800)	-29%
21	2,537,100	2,109,700	(427,400)	-17%
22	2,529,400	2,827,700	298,300	12%
23	2,632,900	2,638,500	5,600	0%
24	2,373,400	2,485,400	112,000	5%
25	2,887,500	2,542,300	(345,200)	-12%
26	2,101,700	2,686,400	584,700	28%
27	2,509,000	2,505,000	(4,000)	0%
28	2,246,300	2,306,900	60,600	3%
29	2,654,900	2,581,200	(73,700)	-3%
30	2,973,200	2,606,700	(366,500)	-12%
Total	65,869,200	60,132,800	(5,736,400)	-8.7%

June 2025 vs 2024 Pumping Graphs



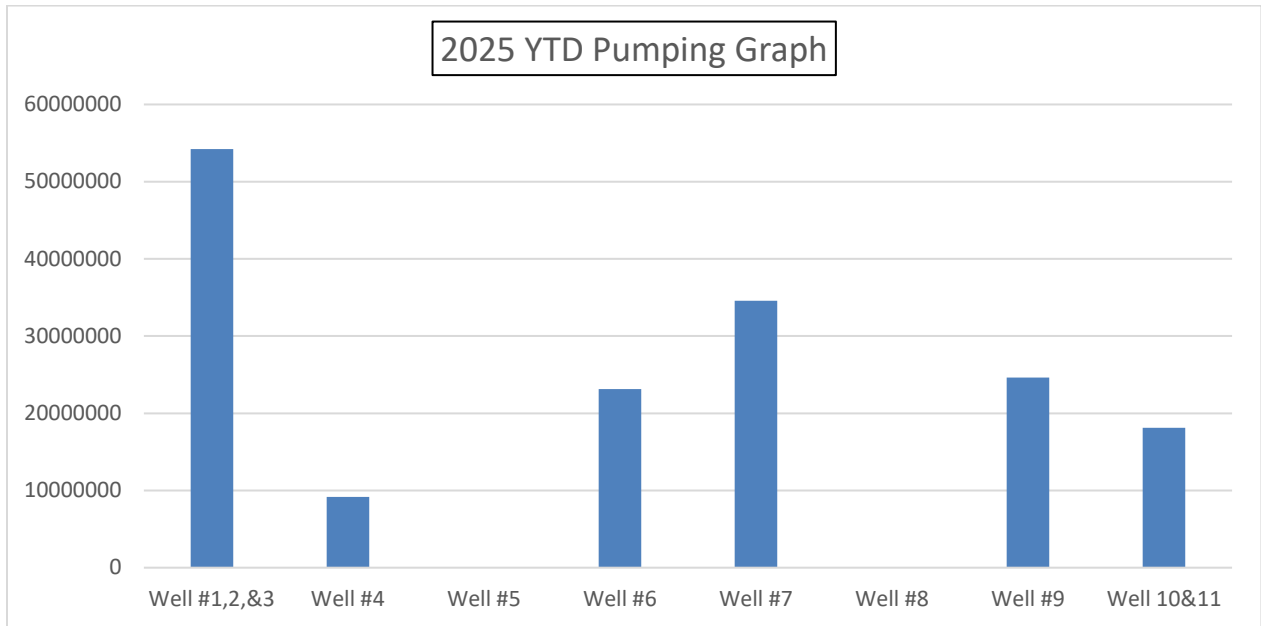
June 2025 Monthly Pumping Report

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		299,500			222,200	380,000		242,800	165,100	1,309,600
2		577,300			229,800	366,200		269,300	218,300	1,660,900
3		565,600			241,000	439,600		250,600	236,100	1,732,900
4		733,400			262,400	443,800		301,600	179,700	1,920,900
5		505,800	271,100		270,400	463,900		290,200	216,500	2,017,900
6		294,500	301,700		152,900	310,700		169,400	188,100	1,417,300
7		85,200	328,300		219,800	334,500		242,900	217,900	1,428,600
8			398,300		295,200	504,800		330,900	266,900	1,796,100
9		80,700	299,900		231,900	399,800		246,100	239,700	1,498,100
10		48,100	248,000		225,000	385,700		222,400	194,300	1,323,500
11		504,100	239,400		155,400	268,400		191,000	149,000	1,507,300
12		516,200	332,200		262,500	452,100		291,700	210,700	2,065,400
13		360,700	200,100		133,200	234,700		151,100	176,100	1,255,900
14		422,100	252,300		184,900	318,300		208,600	167,200	1,553,400
15		594,100	357,600		245,400	473,200		274,700	70,500	2,015,500
16		525,400	296,200		205,800	306,300		226,100	305,800	1,865,600
17		602,300	373,700		251,000	433,500		275,000	240,300	2,175,800
18		507,000	286,900		190,900	330,900		210,700	234,500	1,760,900
19		726,900	395,600		304,100	525,100		330,800	303,100	2,585,600
20		390,200	416,900		221,300	377,300		247,500	250,000	1,903,200
21		505,600	337,500		301,300	524,000		298,200	143,100	2,109,700
22		730,800	518,000		416,900	718,800		438,100	5100	2,827,700
23		844,100	683,300		263,600	455,600		335,700	56200	2,638,500
24		554,400	281,000		369,900	632,300		409,400	238400	2,485,400
25		781,200	484,000		305,800	559,800		326,000	85500	2,542,300
26		856,800	421,900		305,900	512,500		316,900	272400	2,686,400
27		667,300	287,000		356,100	607,200		409,500	177900	2,505,000
28		852,000	334,500		232,100	403,900		255,000	229,400	2,306,900
29		698,500	363,500		312,300	540,400		340,900	325,600	2,581,200
30		884,800	439,500		277,900	479,200		277,300	248,000	2,606,700
31										
Total		15,763,200	9,148,400		7,646,900	13,182,500		8,380,400	6,011,400	60,132,800
								Minimum		1,255,900
								Maximum		2,827,700
								Average		1,938,200



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									0		0
August									0		0
September									0		0
October									0		0
November									0		0
December									0		0
Totals	54,211,600	9,148,400	0	23,125,100	34,556,900	0	24,609,000	18,114,600	163,765,600	173,103,500	-9,337,900



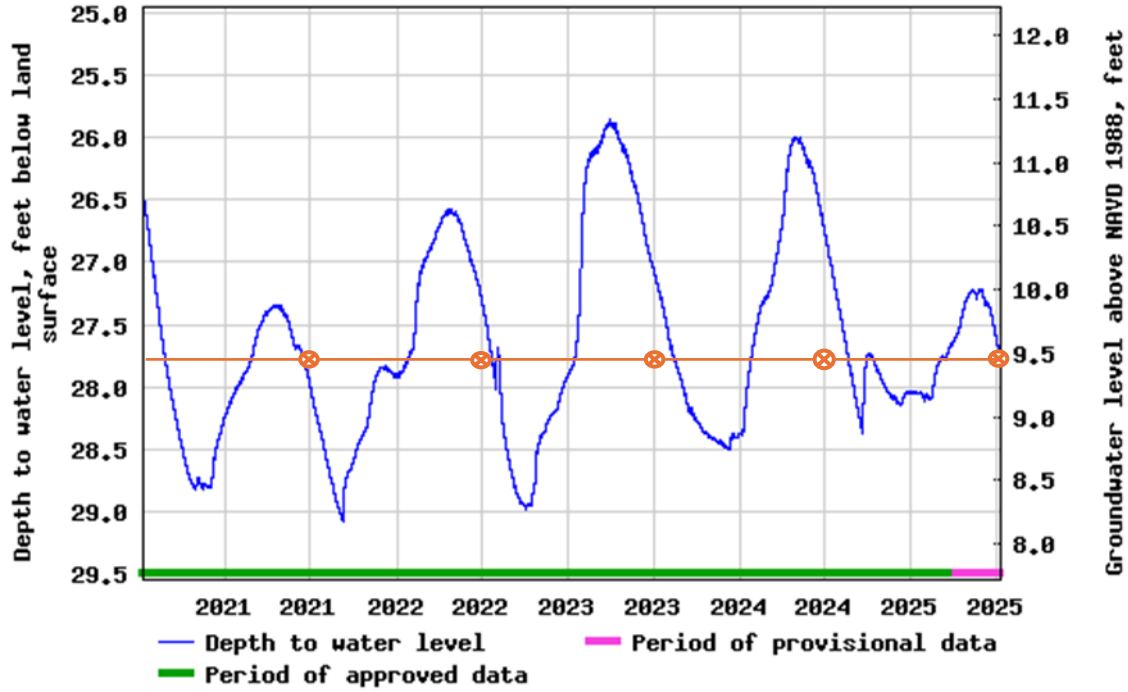
2025
YTD Unmetered Water Usage

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

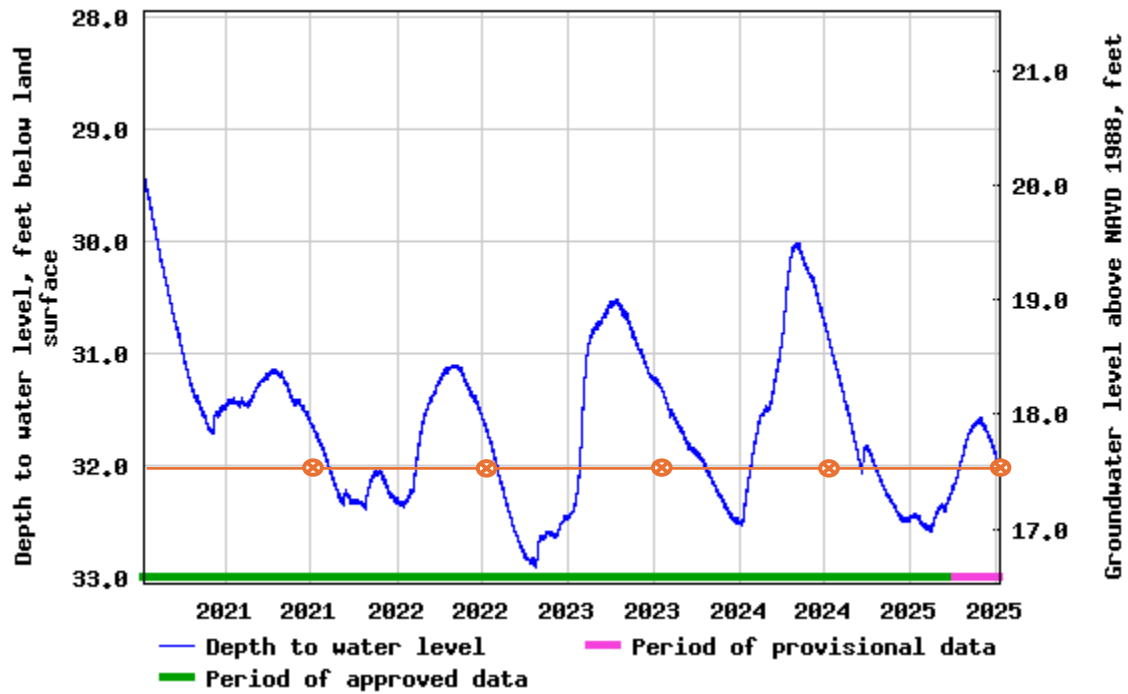
Chatham 5-year Pumping Comparison (Month of June)

June Date	June 2021 Daily Gross Pumpage	Hours	June 2022 Daily Gross Pumpage	Hours	June 2023 Daily Gross Pumpage	Hours	June 2024 Daily Gross Pumpage	Hours	June 2025 Daily Gross Pumpage	Hours	Average Daily Pumpage (gallons)	Average Daily Pumpage (hours)
1	1,567,200	12	1,465,900	10	2,463,300	10	1,502,100	9	1,309,600	9.75	1,661,620	10.05
2	2,173,100	14	1,858,200	8	2,033,600	13	2,557,600	15	1,660,900	10	2,056,680	12
3	1,717,000	10	1,281,300	8	1,804,000	10	1,408,300	7.5	1,732,900	11.5	1,588,700	9.4
4	1,515,100	9.5	1,700,200	9	2,574,600	10	2,212,600	12	1,920,900	10.5	1,984,680	10.2
5	1,863,800	19	1,664,300	9	1,669,000	10	1,398,900	7	2,017,900	11.5	1,722,780	11.3
6	2,652,700	15	1,929,300	11	2,287,300	9	1,571,700	7	1,417,300	6.5	1,971,660	9.7
7	2,257,900	12	1,849,300	11	2,177,800	12	1,523,800	9	1,428,600	8.25	1,847,480	10.45
8	2,338,300	13.5	1,454,300	9	2,708,700	10	1,771,000	7	1,796,100	13	2,013,680	10.5
9	2,281,400	15	1,460,000	7	2,045,200	14	2,383,800	13	1,498,100	11	1,933,700	12
10	2,300,800	13	1,521,600	8	2,465,400	11	1,636,300	8.75	1,323,500	10.25	1,849,520	10.2
11	2,361,900	15	1,661,100	9	2,878,200	13	1,881,700	10.25	1,507,300	6.5	2,058,040	10.75
12	2,012,000	12	1,757,300	8	2,072,000	13	2,054,800	11	2,065,400	11	1,992,300	11
13	2,491,800	13	2,596,600	11	2,144,800	9	2,243,300	10	1,255,900	12	2,146,480	11
14	2,403,800	14	2,124,100	10	1,981,800	9	1,434,700	9.25	1,553,400	9	1,899,560	10.25
15	2,297,200	12	1,768,100	12	2,587,500	9	2,257,800	15.5	2,015,500	10.75	2,185,220	11.85
16	2,598,800	15.5	2,231,400	10	2,021,300	10	2,578,400	17	1,865,600	9.25	2,259,100	12.35
17	2,653,800	15	1,657,400	12	1,797,500	9.25	2,279,700	12.5	2,175,800	10.75	2,112,840	11.9
18	2,163,000	13	1,712,100	10	2,476,300	9	2,786,400	15.25	1,760,900	12	2,179,740	11.85
19	2,967,200	12	1,692,800	9	2,087,500	11	2,257,000	10	2,585,600	15	2,318,020	11.4
20	2,806,000	15	2,192,600	12	2,781,300	11	2,684,000	12	1,903,200	12	2,473,420	12.4
21	2,685,400	14	2,314,300	13	2,109,900	14	2,537,100	14.25	2,109,700	12.25	2,351,280	13.5
22	2,487,300	13.5	2,036,800	12.5	2,750,600	10	2,529,400	12.5	2,827,700	15	2,526,360	12.7
23	2,534,000	14	2,217,700	14	1,924,700	13	2,632,900	11.25	2,638,500	14.5	2,389,560	13.35
24	2,871,100	15.25	2,381,700	12	2,113,200	10	2,373,400	11.25	2,485,400	17.75	2,444,960	13.25
25	2,400,800	13	1,931,500	11	2,747,700	10	2,506,700	13.25	2,542,300	12	2,425,800	11.85
26	2,549,800	15.25	2,567,400	11	1,979,600	13	2,101,700	11.25	2,686,400	13.5	2,376,980	12.8
27	3,387,500	17	2,269,000	12	2,101,600	9	2,509,000	10	2,505,000	15	2,554,420	12.6
28	3,109,600	18	2,275,900	11	1,867,000	10	2,246,300	13	2,306,900	11	2,361,140	12.6
29	3,023,600	17.5	2,418,200	14	2,714,100	10	2,654,900	14	2,581,200	11.75	2,678,400	13.45
30	3,367,100	20	3,100,200	13	2,488,200	13	2,973,200	13	2,606,700	14	2,907,080	14.6
31												
Total	73,839,000	427	59,090,600	317	67,853,700	324	65,488,500	341	60,084,200	347	65,271,200	351

USGS 414101070011001 MA-CGM 138R CHATHAM, MA

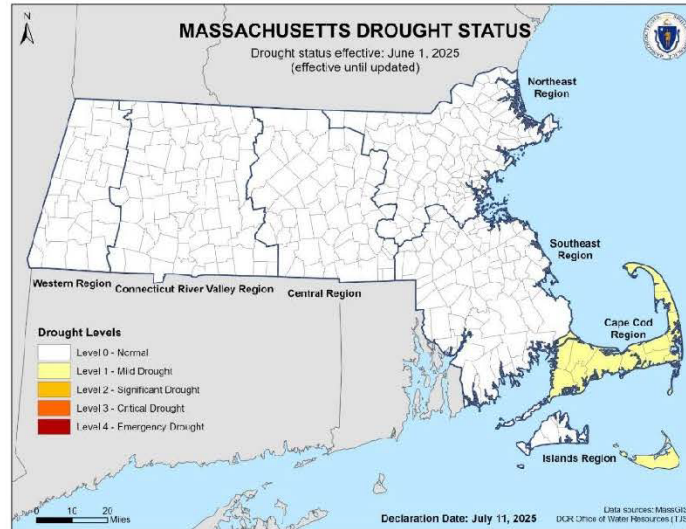


USGS 414632070014901 MA-BMW 22R BREWSTER, MA



Guidance for Public Water Suppliers and Golf Courses on Cape Cod and Nantucket

If you hold a WMA Registration and a Permit that includes seasonal restrictions on nonessential outdoor water use, then the permit is controlling and you are required to institute the restrictions detailed in your permit.



Level 1 (Mild Drought) – Cape Cod Drought Region and Nantucket County

For PWSs:

- All nonessential outdoor water use is restricted to one day per week, before 9 a.m. and after 5 p.m.,
 - Except that watering ornamentals and flower gardens with hand-held hose, drip irrigation, or watering cans may be permitted.

For Golf Courses:

- Irrigation of fairways is reduced to 80% of normal, irrigation of roughs is reduced to 50% of normal, and
- No irrigation of landscaping and ornamentals,
 - Except, for courses whose core business includes a venue for special events, watering venue ornamentals, gardens, and flowers with a hand-held hose or drip irrigation is permitted.

Private Wells

- Households and businesses that draw water from private wells should conserve water by abiding by the water use restrictions in place in their community.

For further information on water conservation and what residents and communities can do, visit the Massachusetts Drought Management webpage (<https://www.mass.gov/guides/drought-management-in-massachusetts>).

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.