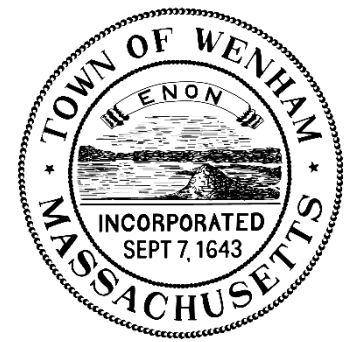


Wenham's Water

Wenham Water Commission

Ernest Ashley, Diane Dixon, Marc Liphardt

Water Superintendent, Erik Mansfield



Where does it come from?

How much is there?

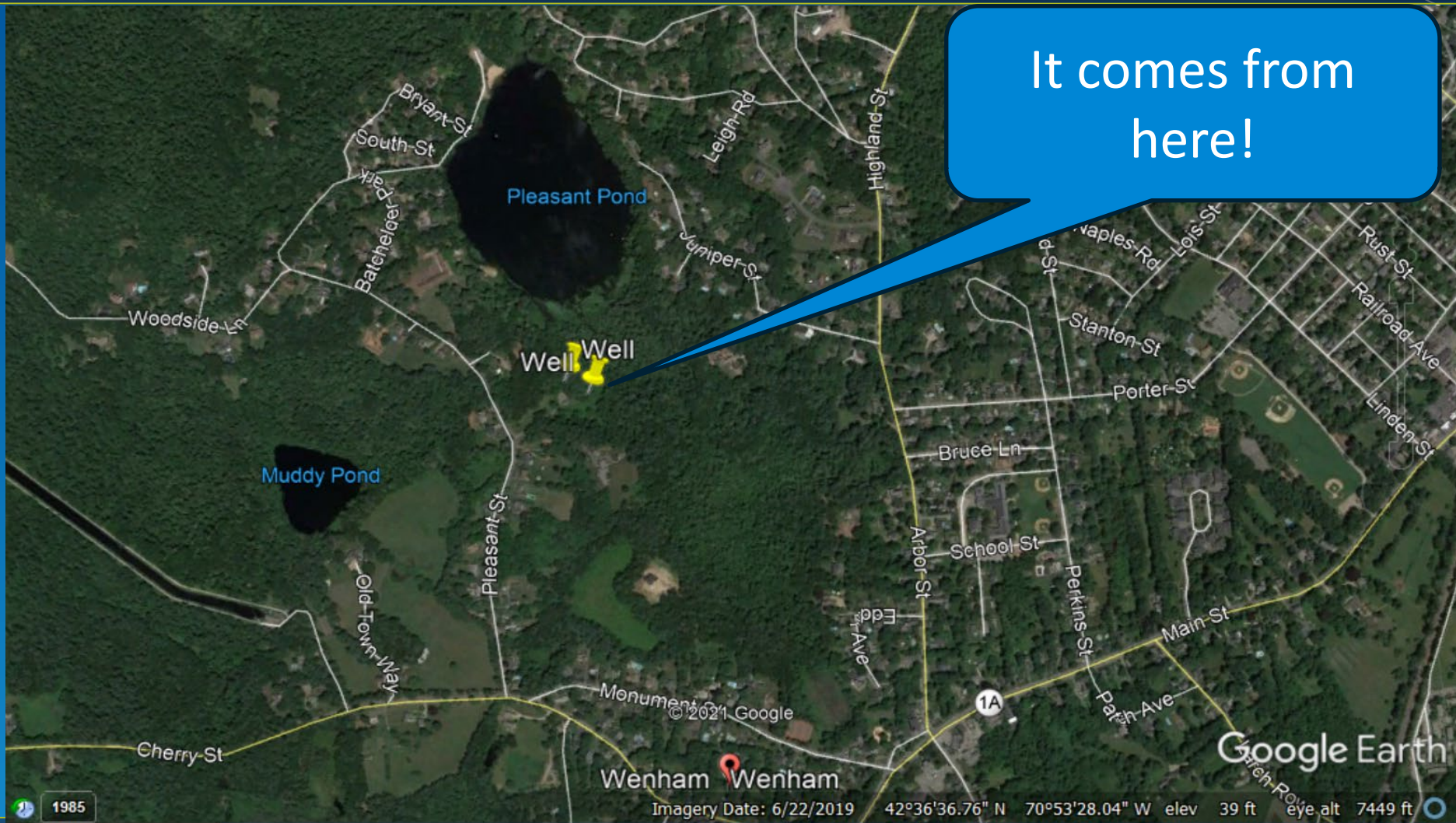
How can we conserve?

How do we keep it clean?

An aerial photograph of a forested area. A small, dark pond is visible in the center-right. Two yellow pushpins are placed on the ground near the pond, each with the word "Well" written next to it. The surrounding area is covered in dense green and brown foliage, suggesting a wooded or rural landscape.

Well Well

Where Does It Come From?



Wenham's Water Source

- Two wells located south of Pleasant Pond
- Water is drawn from a Confined Aquifer
 - A sand and gravel layer which lies beneath
 - A widespread clay layer that separates it from the surface
- Pumped to two large tanks and gravity fed throughout the town
- Treated to kill potential bacteria and viruses and prevent leaching of lead and copper. Fluoride is also added.



We are all in the same “bucket”

- Water: the ultimate renewable, sustainable resource

- Except when isn't

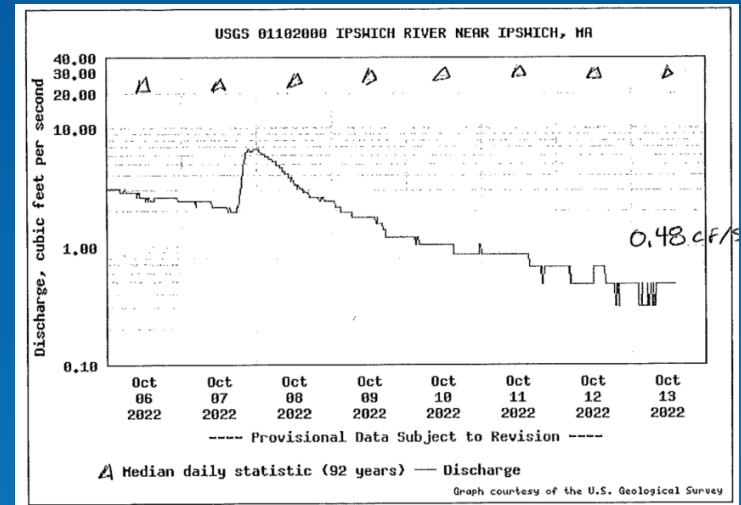
Our water is from rainfall on the Ipswich River Basin

Withdrawals often exceed yield

Our limit is ~142 MG/year

Water bans are triggered by Ipswich River water levels

Conservation efforts are being effective



	1970'S AVERAGE	1980'S AVERAGE	1990'S AVERAGE	2000'S AVERAGE	2010'S AVERAGE	2020'S AVERAGE
YEARLY TOTAL	114,902	108,752	131,310	124,682	125,845	113,101
SERVICES	906	1,028	1,096	1,123	1,163	1,203
GALLONS PER DAY	0.315	0.298	0.359	0.342	0.345	0.310
GALLONS PER SERVICE	127	106	120	111	108	94
POPULATION	3,293	3,386	3,480	3,566	3,922	3,942
RESIDENTIAL USE	103,246	93,384	104,259	97,672	98,751	86,125
GPPPD	85.89	75.56	82.15	75.20	68.92	59.86
MAX DAY	945	876	1,080	788	671	600

How Can We Conserve?

- **Let your lawn grow long**
- **Do not water: 9AM – 5 PM**
- Install low water use landscaping
- Use hand watering & drip irrigation
- Check toilets & Fix leaks
- Adhere to Water Restrictions
- Call the Water Department with ???
or for more information

Up to 7 million gallons a month used for “irrigation”

	2020's AVERAGE
JAN	10,169
FEB	9,597
MAR	10,964
APR	10,450
MAY	13,144
JUN	16,791
JUL	12,854
AUG	13,785
SEP	11,068
OCT	9,060
NOV	6,755
DEC	7,250

Monthly pumping in 1000's

How Do We Keep Our Water Clean?

- We are all on septic systems
- Everything we put in those system goes into the groundwater
- Everything we put in OUR systems goes into the groundwater
- Everything we put on our lawns goes into the groundwater
- Do NOT discharge:
 - Fuels, oils, lubricants, solvents, paints, chemicals, etc.
 - Prescriptions, medicines and mercury



2021 Consumer Confidence Report

For

Wenham Water Dept.
Wenham, Massachusetts
MASSDEP PWSID # 3320000