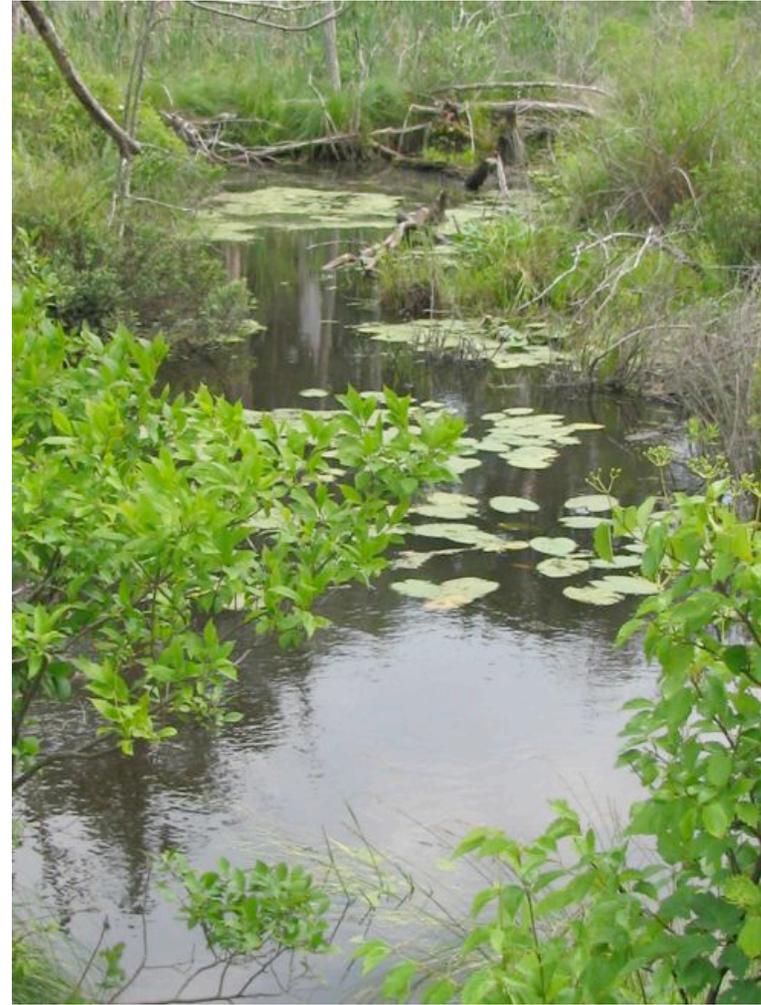


Why conserve water in Georgetown?

DR**P 10%**
Georgetown Water Conservation





Conserving water:

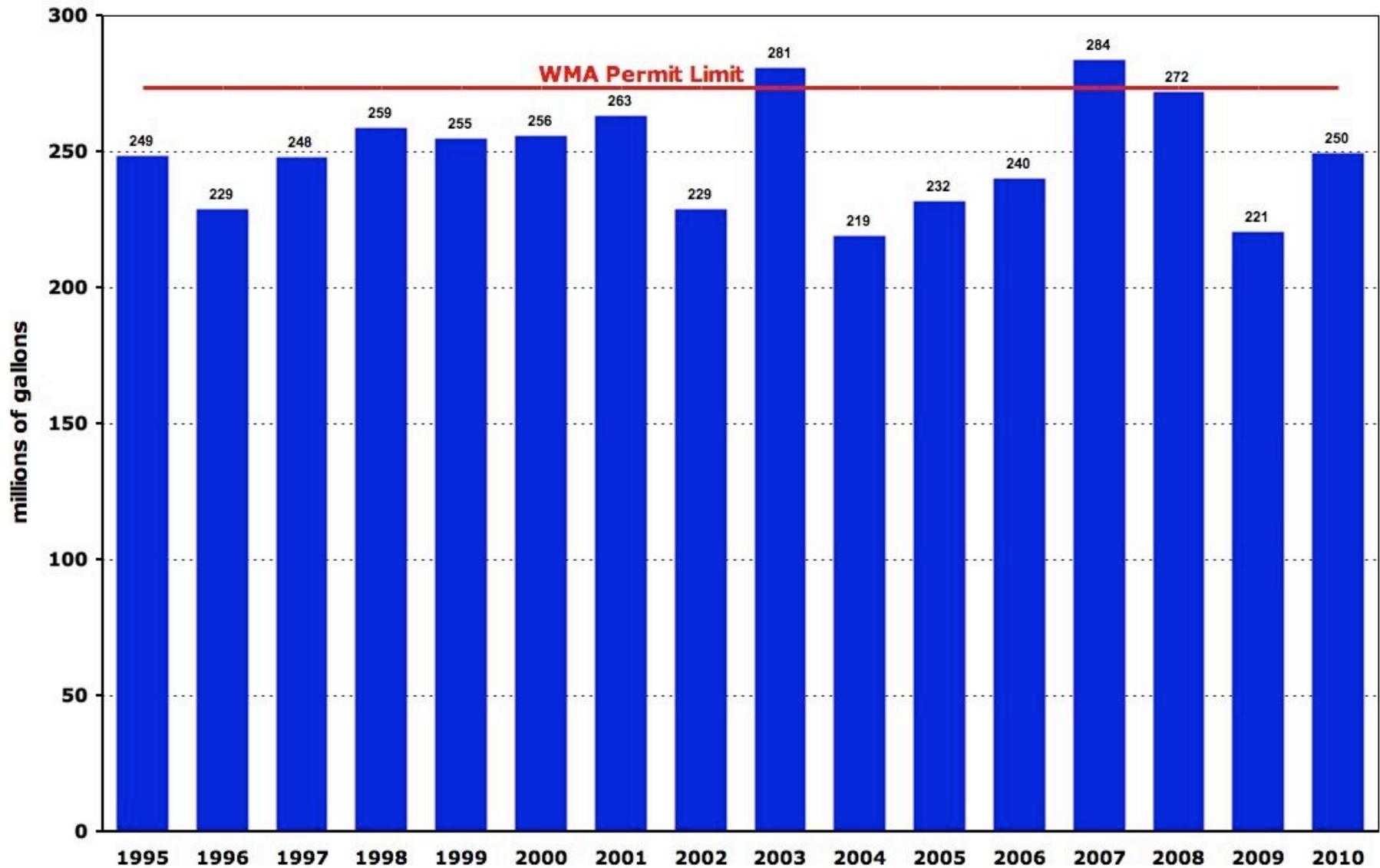
- protects Georgetown's water supply
- protects the local environment
- saves money!

Reason to conserve #1 - Protect Georgetown's water supply.



Mandatory outdoor water restrictions in summer, 2010 were a reminder that Georgetown's three municipal wells and filtration plant have finite capacity, especially in drought conditions.

Georgetown's Annual Well Pumping (millions of gallons)



Georgetown's water usage is near the limit of its DEP withdrawal permit.

Reason to conserve #2 - Protect the environment.

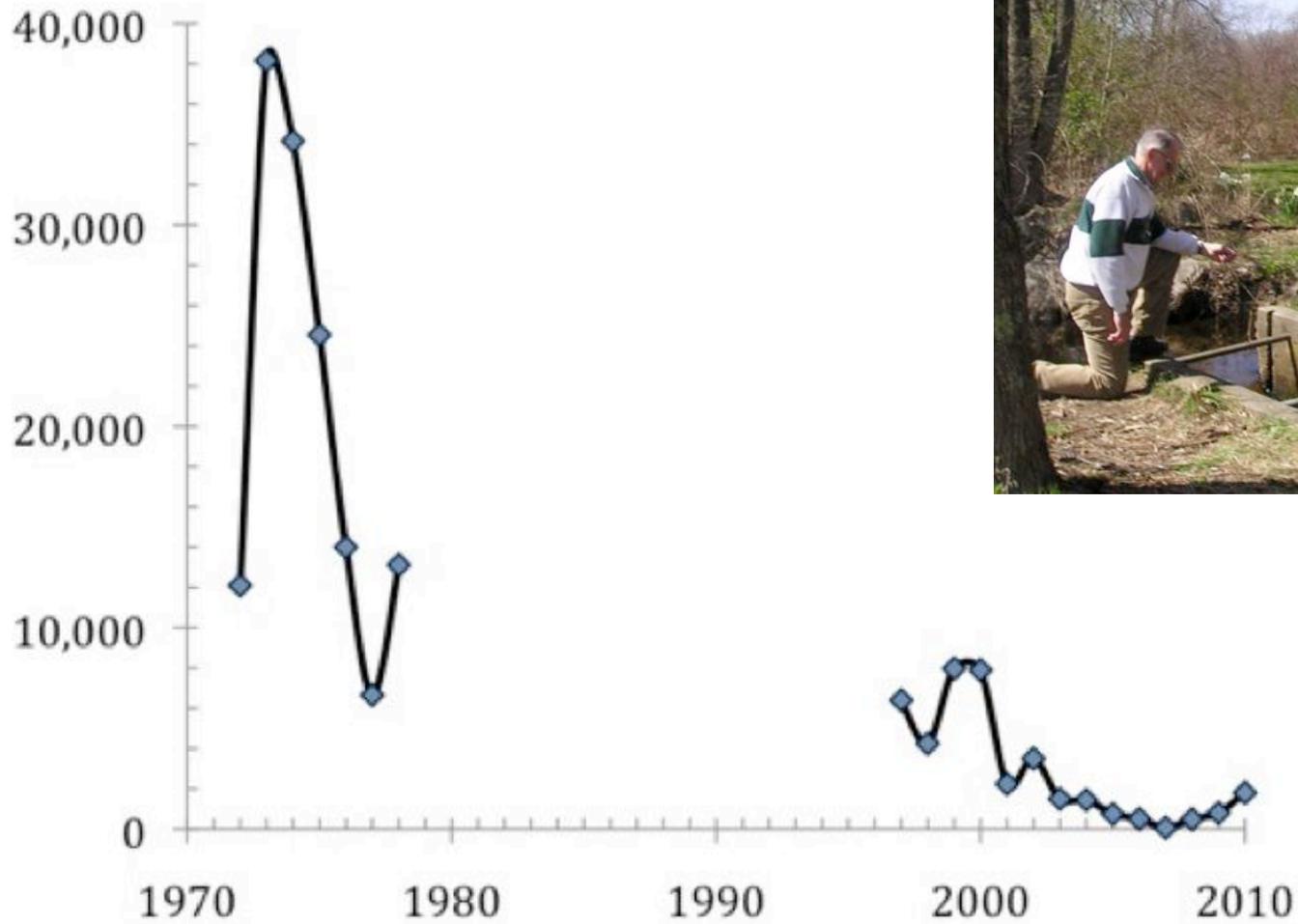


The Parker River is officially classified as “Highly Stressed.”



Several rare species that live in Georgetown depend on adequate water in the environment.

Parker River Annual Herring Counts



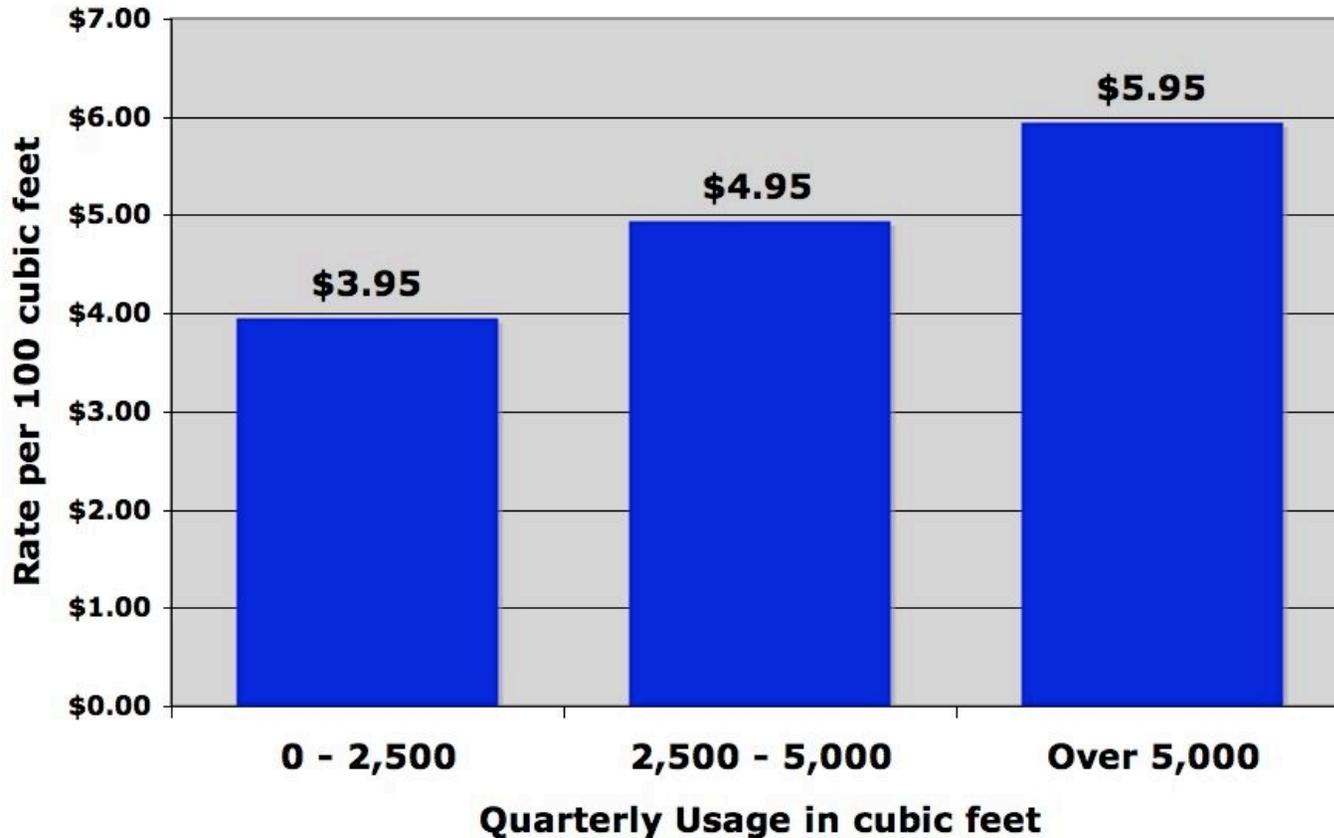
Restoring the Parker River herring run will require adequate flow for the spring spawning run, and for the fry to return to the sea in late summer.



Kids need a chance to experience nature on their own terms. Georgetown's streams, ponds, and wetlands offer an abundance of natural features—and creatures—to stir young imaginations.

Reason to conserve #3 - Save money.

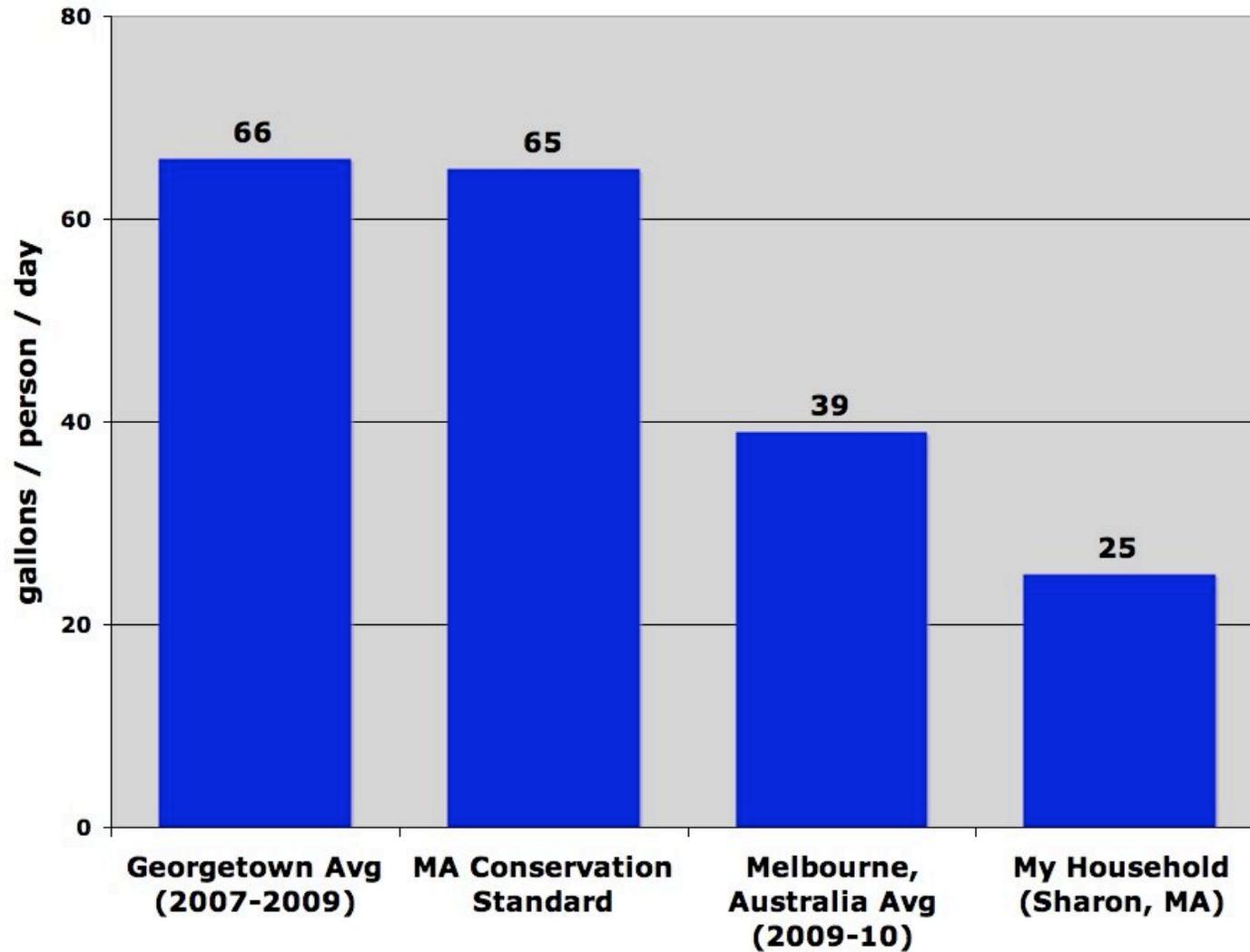
Georgetown Water Rates



The rate you pay increases as you use more water. Installing efficient fixtures pays off in lower water bills. Dropping your water use by 10% reduces your water bill by more than 10%.

How much water do people need?

Daily Water Usage Per Person



It's not hard to reduce your water use by 10%.

How to calculate your household water use

1,600 cubic feet used
(= 12,000 gallons)

77-day billing period

WITH PAYMENT AND WRITE YOUR ACCOUNT NUMBER ON FRONT OF CHECK.

FOR SERVICE AT [REDACTED] ACCOUNT NO [REDACTED] BILL DATE 10/15/2010

US READ - PRESENT READ	USAGE	DAYS	AVERAGE DAILY	BILL FREQUENCY
4700 196300	1600	77	21	QTLY

DETAIL	SUMMARY
BALANCE FORWARD	0.00
Water Rates	63.20
Quarter Service	40.00
INTEREST	0.00
TOTAL GROSS	103.20

CUSTOMERS
has begun.

1. Multiply usage in cubic feet by 7.5 to convert to gallons.
2. Divide gallons by the number of days on the bill.
3. Divide that by the number of occupants in your home.

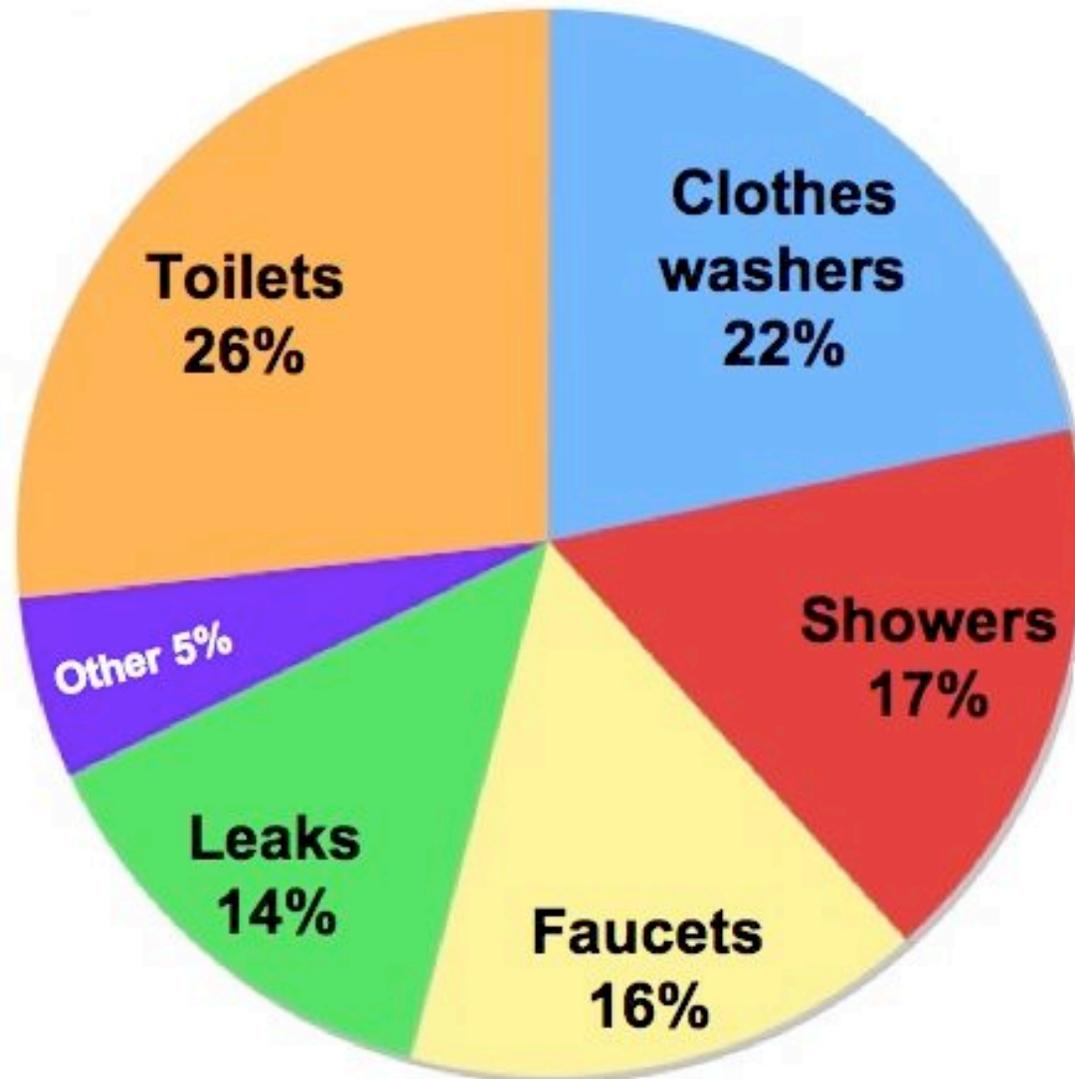
Water use varies seasonally, so average the prior four quarters to get an annual average.

For help, go to the town web site:

www.GeorgetownMa.gov

Click on the Water Department page.
Look in the "CONSERVE WATER" folder.
Click on "Daily Water Usage Worksheet."

The 5 Main Categories of Indoor Water Use



Toilets

If you have an old 3.5 gallon-per-flush toilet, it may be using up to 15,000 gallons per year (much more if it leaks!).

Replace it with a High-Efficiency Toilet (HET) and get a rebate of up to \$200 from the Water Dept.

Unlike early low-flow toilets, modern HETS are powerful. They use only a fraction of the water, and never overflow.

When selecting a HET, look for the EPA WaterSense logo.



1.1 gallon-per-flush HET



Three out of four flushes are for liquid waste. Dual-flush conversion kits can cut the water used for flushing liquid waste in half.

Dual-flush kits cost only about \$20. Installation usually takes less than half an hour, and requires no tools. Replacement of the fill valve may be necessary if your toilet tank has a float ball.

Clothes Washers

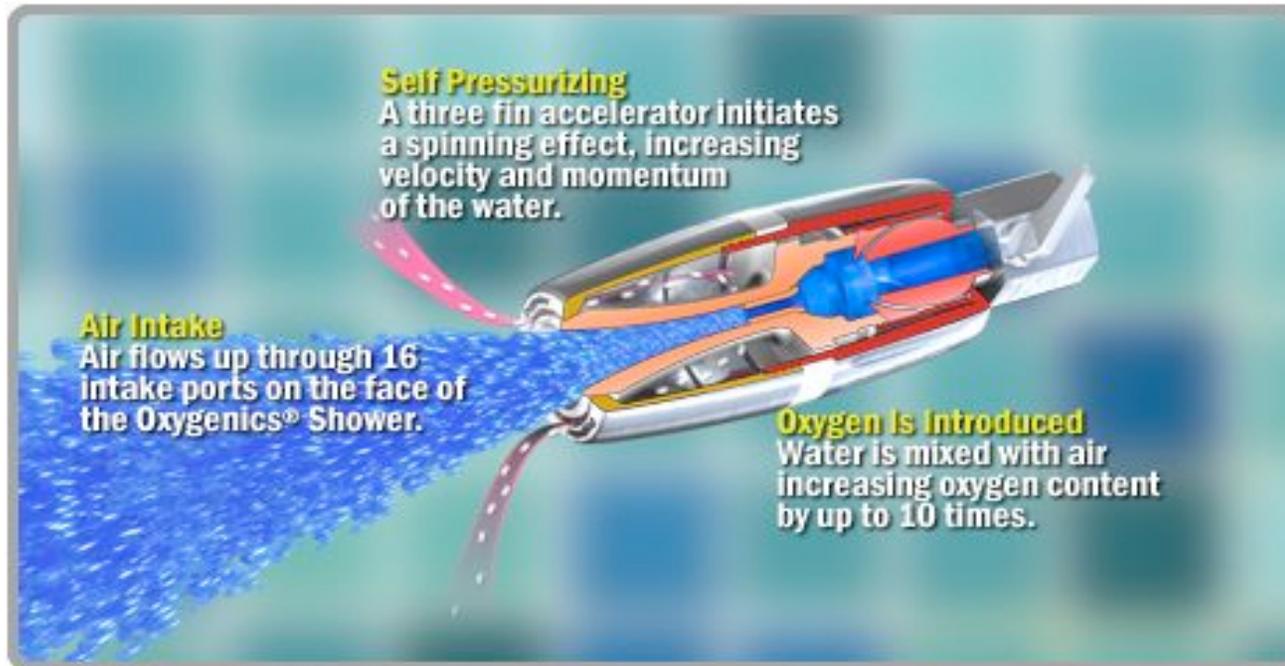
Modern clothes washers use under 13 gallons of water per load, far less than older top-load models that may use up to 45 gallons per load. They also save energy by using less hot water and reducing drying time, and cause less wear on fabrics.

When the time comes for a new clothes washer, check with the Water Department for a rebate on a water-efficient model.



This washer uses under 13 gallons per load.

Shower Heads



With new shower head technology, low flow feels like normal flow. Saving heated water also reduces energy bills. Low-flow shower heads that use as little as 1.5 gallons per minute (gpm), are easy to install, and can pay for themselves in a matter of months.

Look for the WaterSense logo –





Get a shower timer, and challenge your family to limit their showers to 5 minutes, saving water and energy, and leaving enough hot water for the next person.

Check out the water conservation links at the Georgetown Water Department web page.



Some shower heads have a temperature-sensing valve that reduces flow to a trickle when the shower reaches 95°.

That saves water and energy while you finish brushing your teeth or answering the phone.

When you are ready to step in to the shower, just tug the pull cord, and your shower will be instantly warm.

Faucet Aerators

Installing a \$2 faucet aerator is a cheap and easy way to save water (up to 3,000 gallons per year!) and energy.



0.5 gpm is enough
for bathroom sinks.



Use 1.5 gpm for
kitchen sinks.

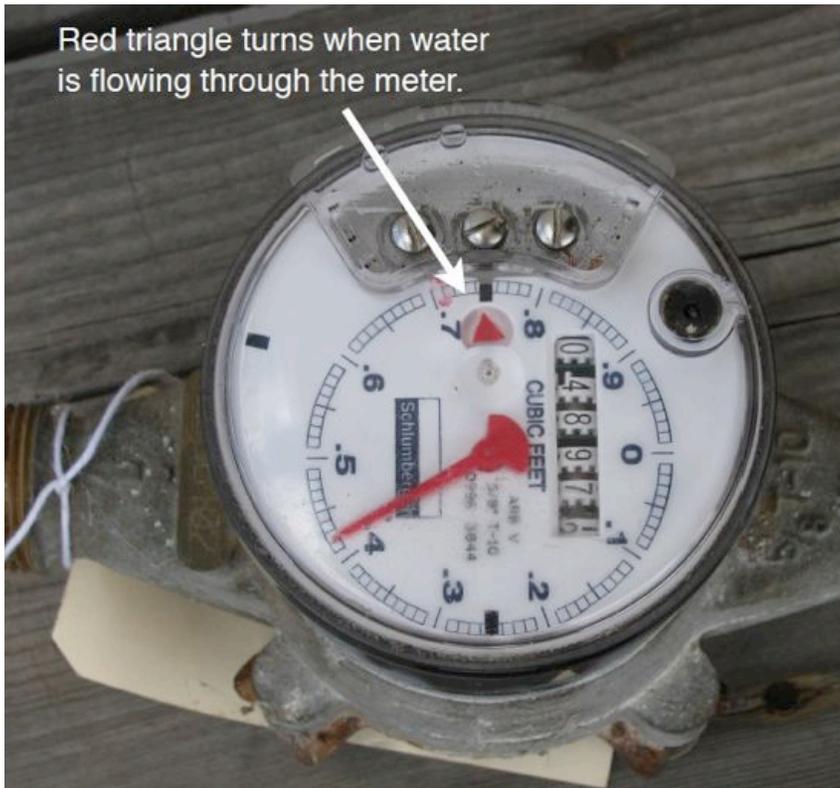
A link to a helpful video on aerator installation can be found at the Georgetown Water Department web page.

Small leaks running around the clock can waste huge amounts of water and lead to costly water bills.

Hole	Gals/min*	Gals/yr*	\$/yr**
.027"	0.12	60,000	\$480
.035"	0.19	100,000	\$800
.056"	0.48	250,000	\$2,000
.080"	0.96	500,000	\$4,000
.113"	1.92	1,000,000	\$8,000

**assuming 40 psi of water pressure*

***assuming \$8 per thousand gallons*



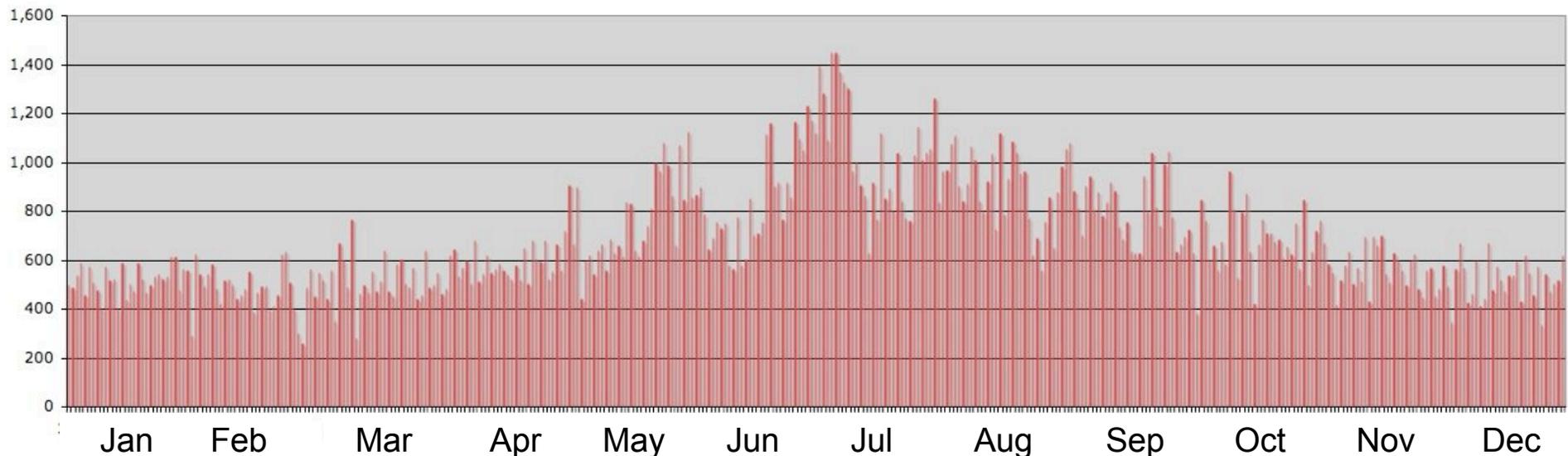
Check your water meter to see if it advances while no water is being used in the house. If so, check your toilets by putting food coloring in the tank to see if it goes to the bowl.

How to conserve water outdoors

Outdoor water use is especially important because:

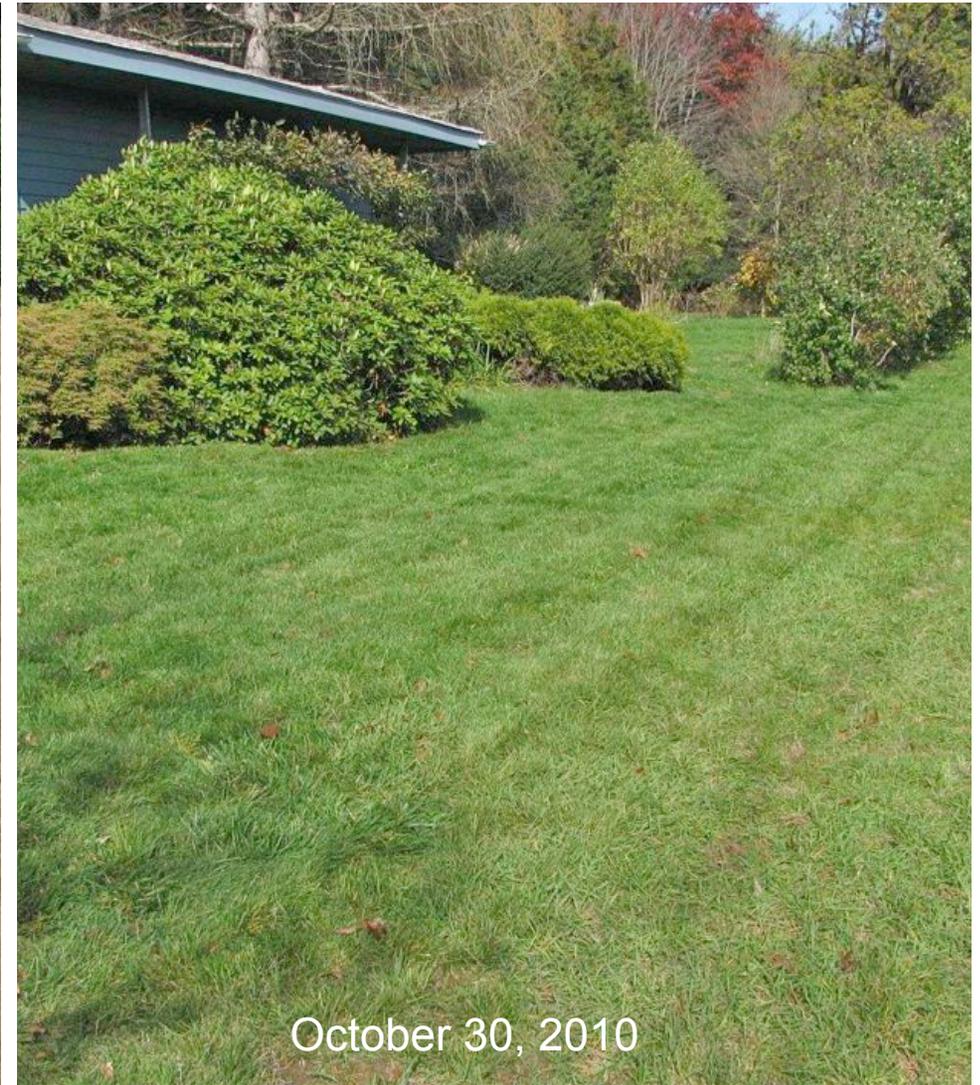
- Water use peaks in summer. Peak demand drives the long term cost of water supply infrastructure, which must be engineered to meet peak demand and still have enough extra capacity for fighting fires.
- Water used for lawns and pools evaporates and does not recharge the groundwater aquifers that sustain both people and the environment.
- The environment is most stressed for water in summer.

Daily Municipal Well Pumping in Georgetown - 2010





Cultivate a beautiful “irrigation-free” lawn such as the one shown above. Irrigation is not necessary for a healthy lawn in New England’s wet climate. Augment the organic content of the soil (don’t remove the clippings after mowing) and use drought-tolerant native grass varieties.



Grass naturally goes dormant in summer, and revives in the fall.
Take a break from mowing, and keep your water bill under control!

Flexible Programming Options Include:

- Cycle+Soak™
- Programmable Valve Delay
- Sensor Override by Station
- Master Valve by Station
- Calendar Day Off
- Total Program and Valve Run Times

Contractor Default™ (Backup Program)

with restore timer lets you save a customized default program that can be recalled automatically up to 90 days later. This allows a temporary schedule for new seed or a fast fix if someone accidentally changes the settings.

Seasonal Adjustment by Program or Month

enables automatic cutbacks in water amounts during cool weather or increases during hot weather.

Four Programs Slide Switch

allows for easy program selection and reduces programming errors.

Large Display and Extra Simple Programming

with self-prompting display in multiple languages makes programming fast and easy; Program Review lets you easily confirm program information.



Enhanced Diagnostic Feedback™

with externally visible light and message on the display alerts users of conditions that may prevent an irrigation schedule from running; *RASTER™ Wiring Test* quickly diagnoses field wiring and solenoid problems.

For those who insist on a perfect lawn even in hot, dry August weather, sophisticated irrigation system controllers can trim water bills by turning the irrigation system off when natural rainfall has already provided enough moisture in the soil.



Evaporation losses from pools can be greatly reduced with a solar pool cover, which also warms the water and extends the season. An automatic reel makes it easy to manage a solar pool cover (and tops off the pool).

Need Help?

- Check out the “**Helpful Links for Conserving Water**” on the Water Department's web page (in the “CONSERVING WATER” folder).

www.GeorgetownMa.gov

- EPA's WaterSense web site has helpful information.

www.epa.gov/WaterSense



- Your plumber can suggest efficient toilets and other plumbing fixtures.

- For a helpful presentation on rain-only lawns, see

www.businessevision.info/parker_river/

- WaterSense and NOFA-certified organic landscapers, and local garden centers can help you maintain a nice lawn with less irrigation.

- Call Georgetown Water Conservation Coordinator Paul Lauenstein at

781-784-2986

