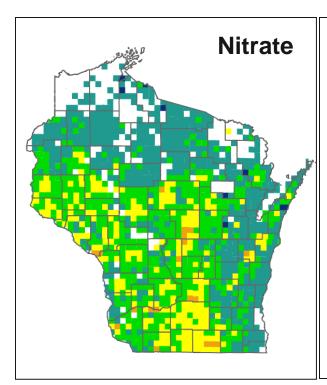
Groundwater & Drinking Water Education Program Overview

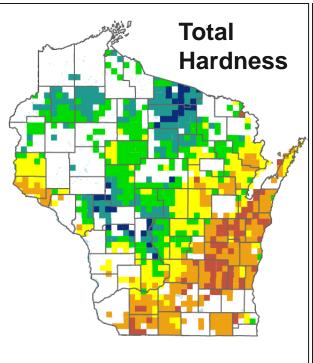
Kevin Masarik
Center for Watershed Science and Education

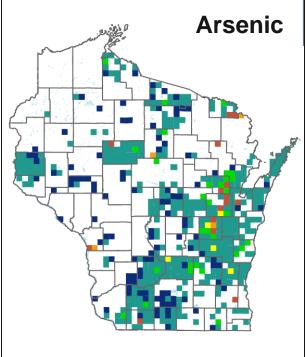




What we know about groundwater quality in Northwestern Wisconsin

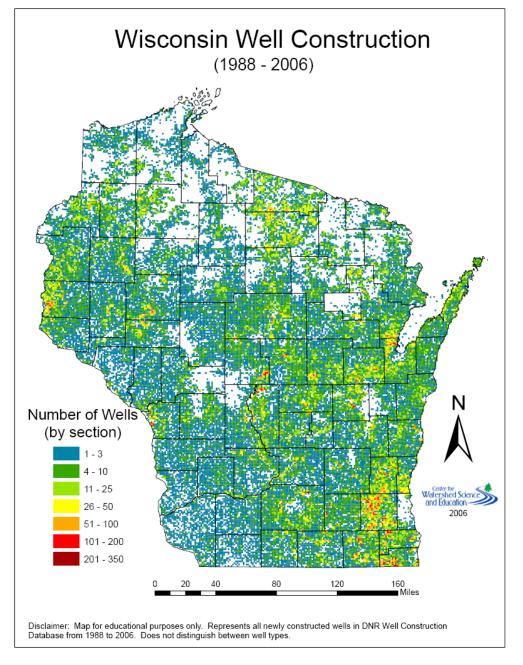
















Community Drinking Water Programs

Definition of Community

County, Town, Watershed, Lake Assoc.

Objectives

- Offer homeowners a convenient opportunity to test their private well water
- Educate community about groundwater:
 - Where does your drinking water come from
 - Connection between water quality, geology and land-use
- Help well owners understand their drinking water quality results and options for improving water quality
- Learn about condition of local groundwater quality





Community Drinking Water Programs





2. Sample collection and drop off.

1. Advertising and bottle distribution



4. Hold educational program for community.



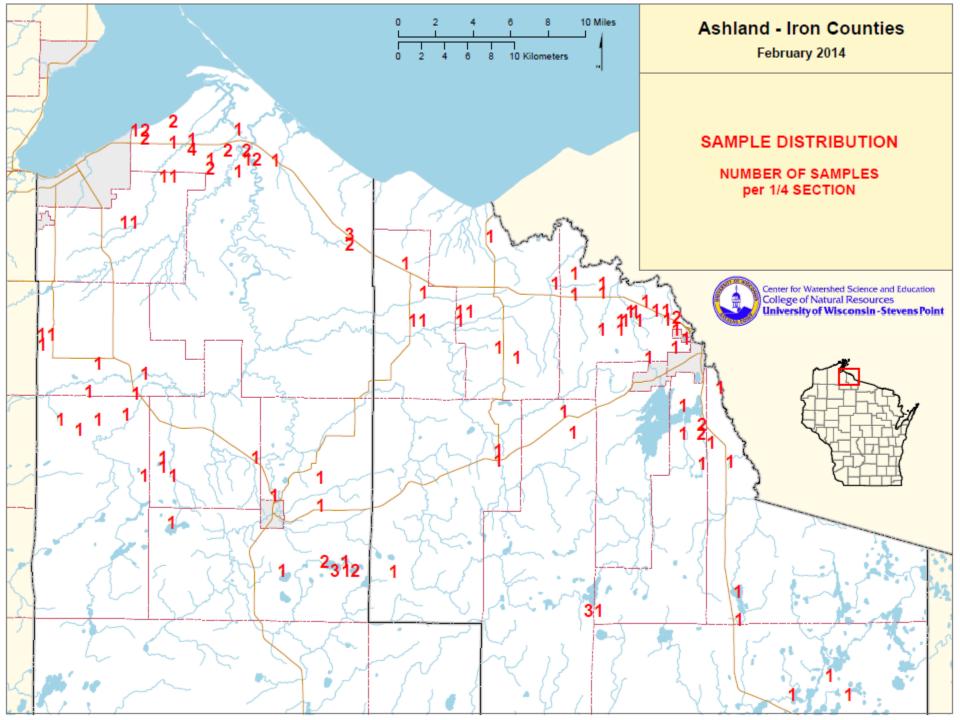
3. Samples are analyzed at WEAL

How do I know which test(s) to perform?

There are 3 packages. You can choose to do any or all. The following information can be used to help you decide which to perform.

Package	What each package includes	Which wells should be tested
Homeowners \$49	Coliform Bacteria, Nitrate, Chloride, Hardness, Alkalinity, pH, Saturation Index	 All Wells: This is the basic package, perform this set of tests if you are unsure which package to perform. Includes the two most important tests to perform regularly on a well (bacteria and nitrate).
Metals \$45	Arsenic, Lead, Copper, Iron, Zinc, Calcium, Magnesium, Manganese, Sodium, Potassium, Sulfate	 Consider this test package if: you've never had your well tested for arsenic. previous tests indicated the presence of arsenic. Your plumbing system has components that contain copper and/or lead
DACT Screen \$27	Tests for a breakdown component of atrazine type pesticides.	 Consider this package if: your well is within ¼ mile of agricultural fields where corn has been grown. previous tests indicated elevated nitrate levels that could be caused by fertilizer usage.

If you choose to perform all three the total is \$113, a discount of \$8 if performed individually.



Well



Test Important to Health

Nitrate Nitrogen

- ➤ Greater than 10 mg/L

 Exceeds State and Federal Limits
 for Drinking Water
- Between 2 and 10 mg/L
 Some Human Impact
- Less than 2.0 mg/L "Transitional"
- Less than 0.2 mg/L "Natural"

