

What the Public Thinks?

- Water is only H20.
- Water is Contaminated if it is not H20?
- Drinking water should be pure water. (Zero Water Ads not helping!)
- Groundwater and Surface Water are Different and Not Connected.
- Others and others activities contaminate the water not them (Not me it is them).

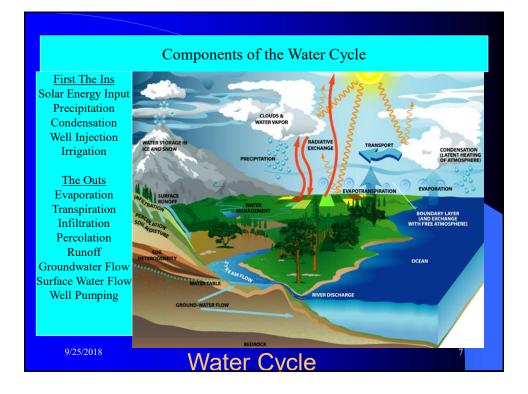
• The threat is the water, not home, diet, etc.

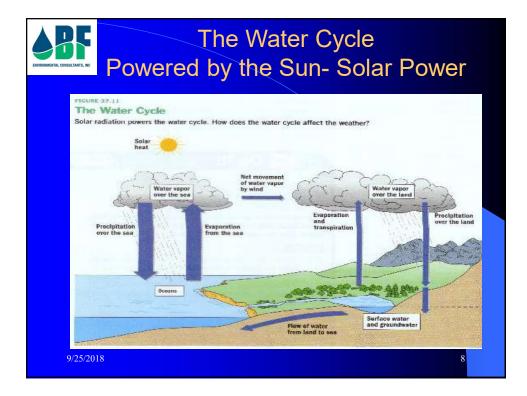
What Influences Water Quality

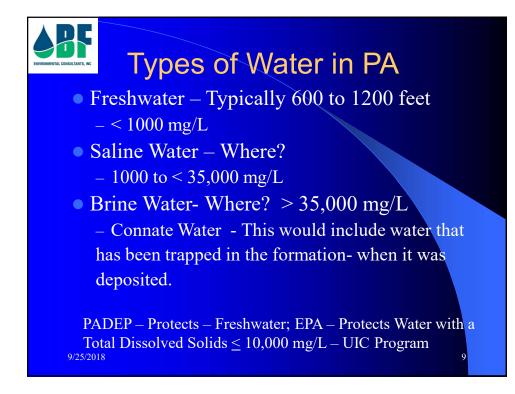
- Where it is within the Water Cycle?
- Time
- Geologic Material
- Human Extraction/ Modification / Altering Natural Water Cycle
- Activities in the Watershed
- NPDES Discharges
- Non-Point Source Pollution
- Distribution

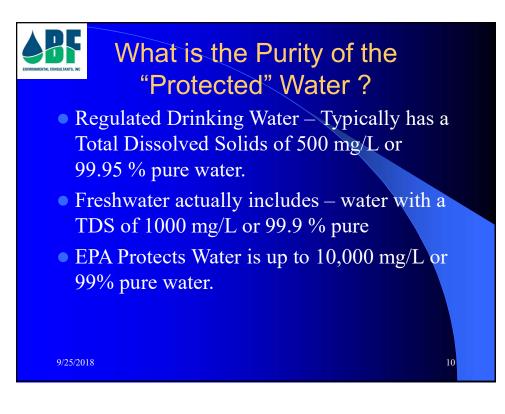
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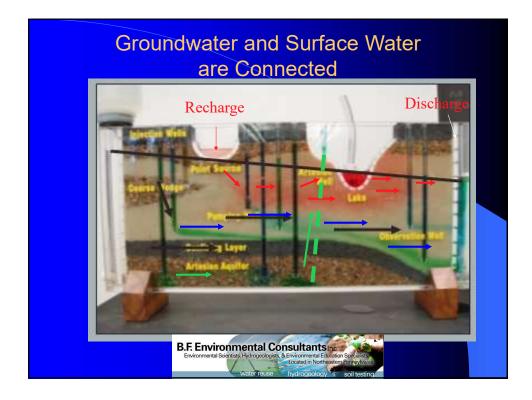
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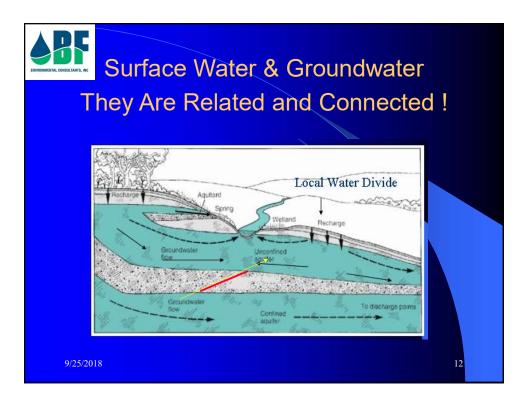


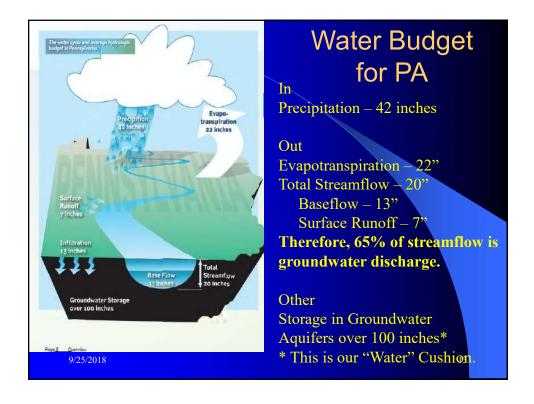


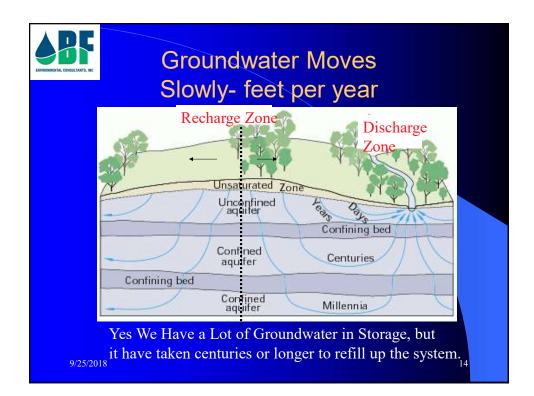


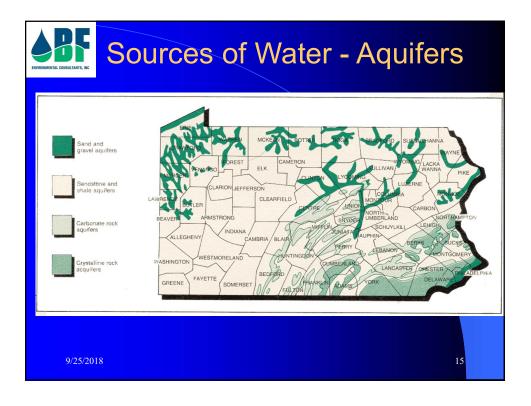


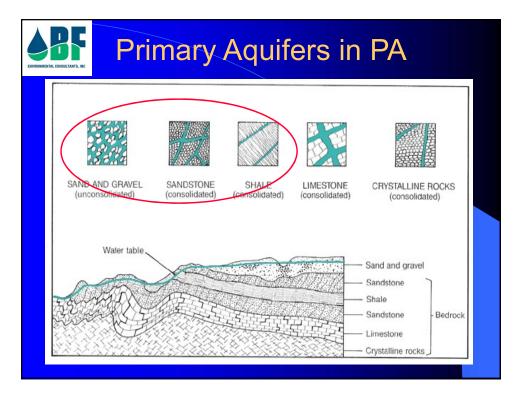














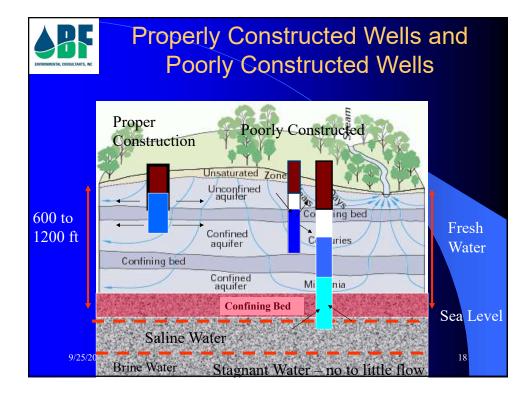
Most Contamination appears to be associated with Total Coliform Bacteria

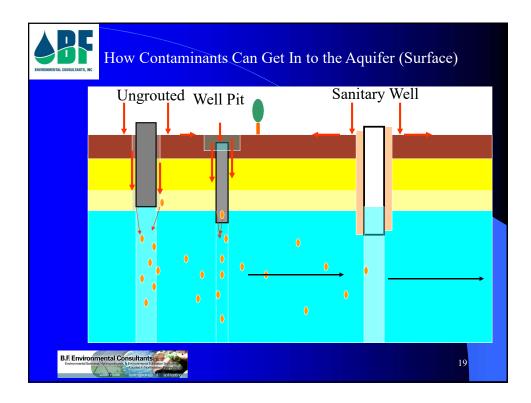


Insects, Larvae and Nests / Egg Masses Mouse Colonies Snakes Beehives Mud - when casing to close to ground

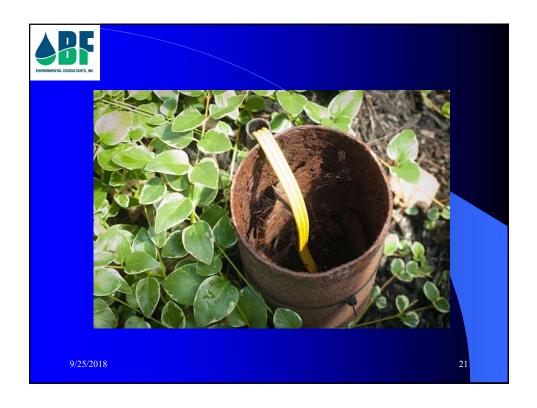
Therefore – In some cases - the Private Wells are Facilitating Groundwater Contamination.

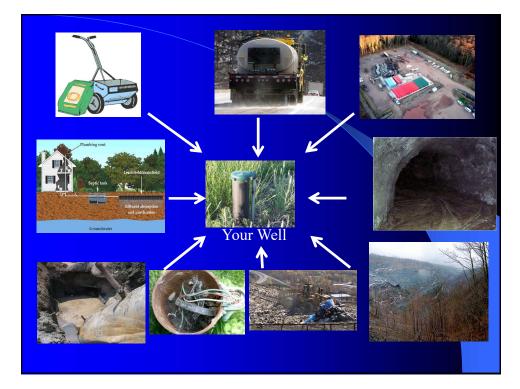
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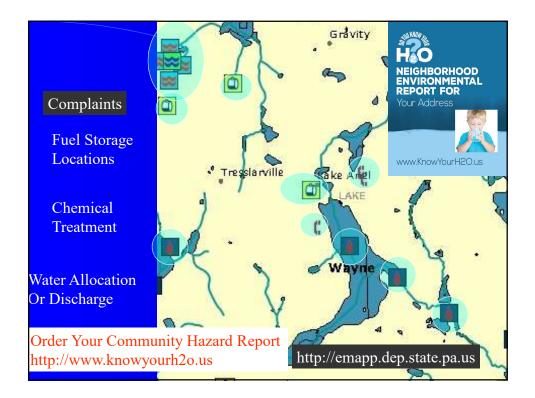


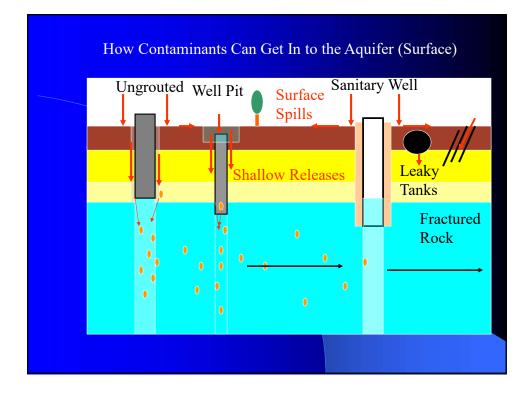






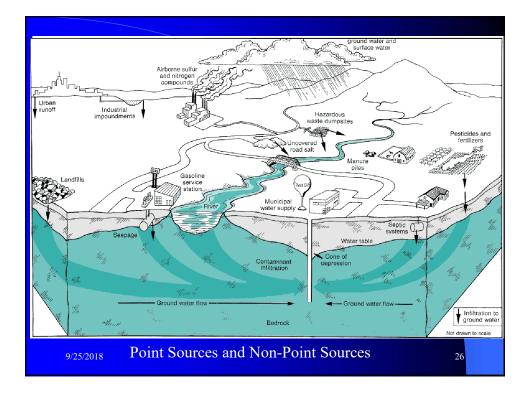


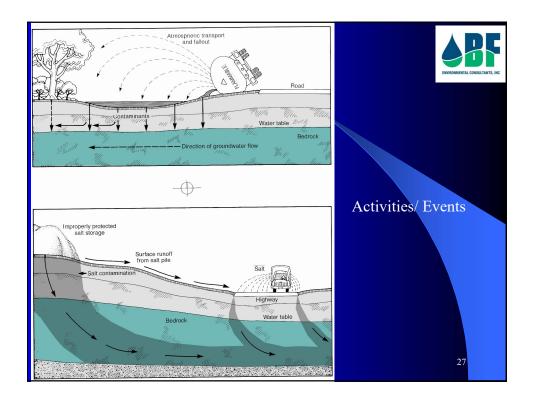


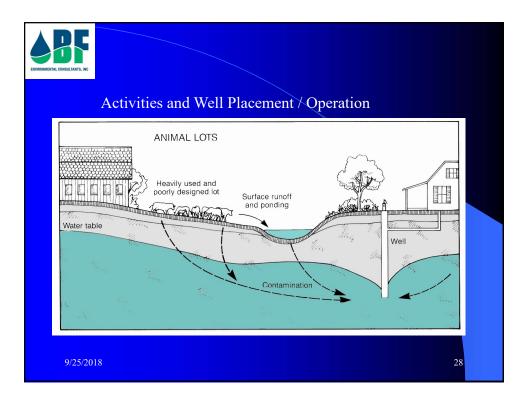


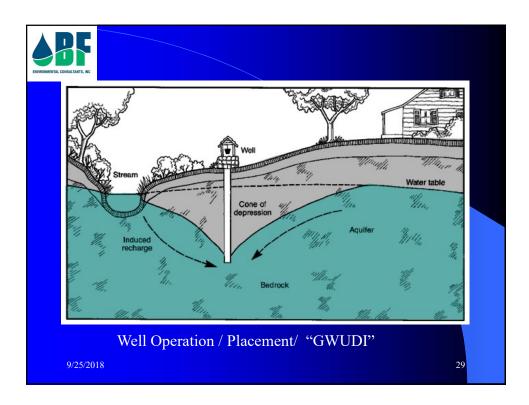
Things I have found within 100 feet of a private well – Just a Few

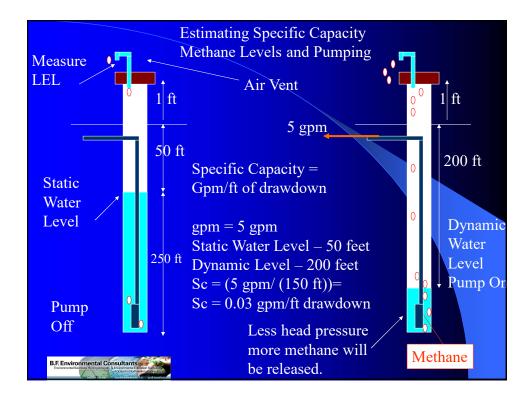


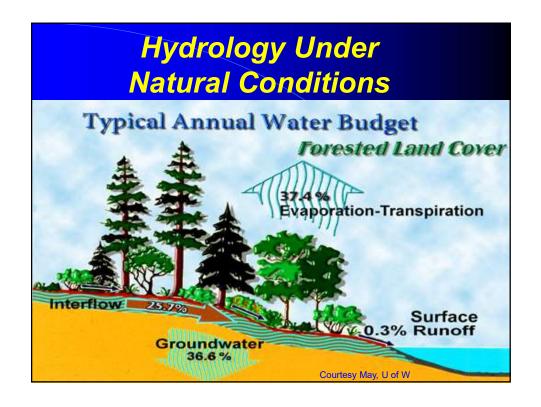


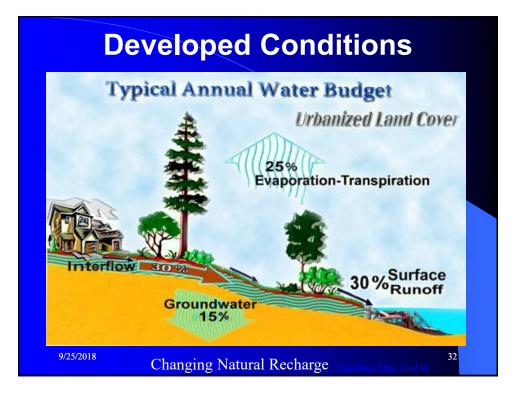


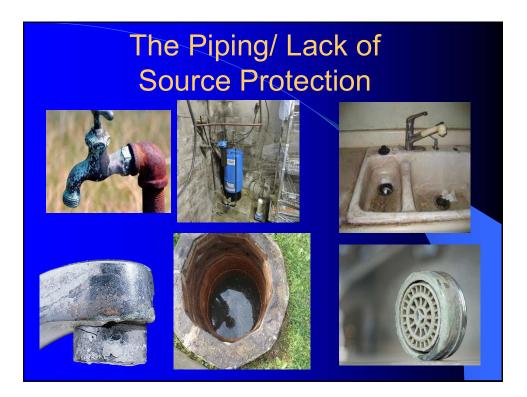












Piping Corrosion / Poor Plumbing Practices

- Chemical
- Biological
- Galvanic
- Poor Plumbing Practices









DRASTIC Model

Model uses hydrogeologic information to generate a measure of groundwater vulnerability

- (D) **D**epth to water table
- (R) net-**R**echarge rates
- (A) Aquifer media
- (S) Soil type
- (T) Topography
- (I) Impact of the Vadose Zone



