

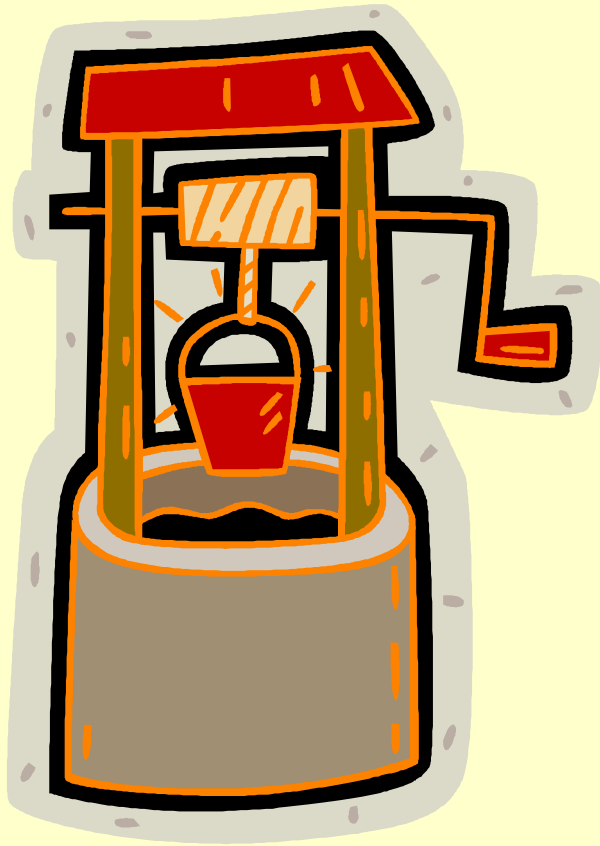
Protecting Public Water Supplies in the S. Willamette Valley GWMA

A Brief Overview of Source Water
Assessments and Drinking Water
Protection Plans

Drinking Water Protection Awareness

- Elevated nitrate concentrations within the GWMA indicate that the local aquifer system is highly sensitive to contamination.
- Leverage the nitrate issue to raise overall awareness that public water supplies within the GWMA are susceptible to other forms of contamination.
- Utilize the Public Drinking Water/Sewer Sub-committee to develop a Drinking Water Protection Plan Template based on common regional issues within the GWMA.

GWMA Drinking Water Supplies



- Federally Regulated
 - Serves 25 or more people or has 15 or more service connections.
- State Regulated
 - Serves 10 to 24 people or has 4 to 14 service connections.
- Private

Regulated Public Water Supplies Inside the GWMA

- 54 Total Public Water Supplies within GWMA.
 - 15 State Regulated
 - 39 Federally Regulated
 - 13 are cities, rural sub-divisions, and/or mobile home parks.
 - 8 are schools and/or places of work.
 - 18 are rest areas, restaurants, gas stations, etc...

Source Water Assessment Project

- What is it?
 - DHS/DEQ project to assess the susceptibility of public drinking water supplies to contamination.
- Focus?
 - All federally regulated public water supplies.
- Why?
 - Requirement of the 1996 Safe Drinking Water Act amendments.

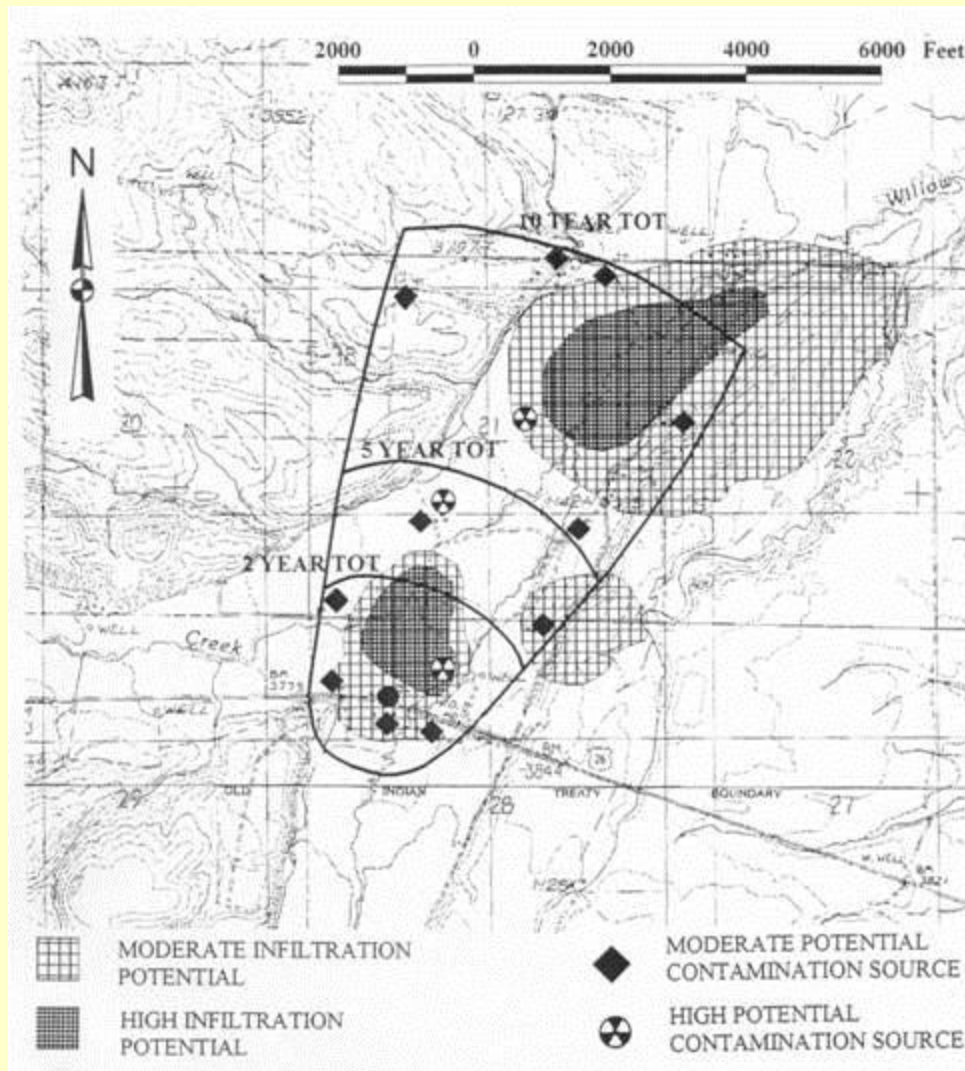
Source Water Assessments

- Key Elements:
 - Identify Drinking Water Protection Area.
 - Assess water system sensitivity to contamination (source area and intake construction).
 - Inventory potential contaminant sources inside “Protection Area” and assign a risk factor.
 - Determine water system susceptibility to identified potential contaminant sources.

Source Water Assessments

- Results:
 - Source Water Assessment Report sent to water system
 - Map of the drinking water protection area.
 - Tables listing potential contaminant inventory results with locations shown on a map.
 - Susceptibility results documented and shown on a map.
 - Narrative of the procedures for conducting the assessment.

Source Water Assessments



Source Water Assessments

- Goal:
 - Provide Public Water Suppliers, and the community at large, with the information that will assist with the implementation of education, protection, and pollution prevention measures that will:
 - Provide a high quality water supply.
 - Minimize future public expenditures for drinking water treatment.

Drinking Water Protection Plans

- Key elements for a “State Certified” plan.
 - Assemble a community planning team.
 - Enhance/review the potential contaminant source inventory.
 - Develop a Management Plan.
 - Develop a Contingency Plan.
 - Obtain DEQ certification.
 - Implement Protection Plan.
 - Petition for DHS-DWP monitoring waivers.