

Assessments as Tools to Launch Protection

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Oregon Source Water Assessments Inventory Totals / Methods

- GW - 1028 systems (not including TNCs)
- SW - 142 systems
- Total = 1170
- As of June 2003, completed 748 or 62%
- Database queries (14), field locating in sensitive areas, PWS consultations
- Over 13,000 PCS have been identified

Oregon's SWA Inventory Results

Surface Water Systems

Top 5 – Total Numbers

- **Managed Forests (harvests/pesticides)**
- **Crops – Non Irrigated**
- **Rural homes – Septic (1+acre lots)**
- **Crops – Irrigated**
- **Grazing Animals (>5 large/acre)**

Oregon's SWA Inventory Results

Groundwater Systems

Top 5 – Total Numbers

- **High Density Housing (<.5 acre lots)**
- **Wells / Abandoned Wells**
- **Transportation Corridors – Highways**
- **Rural Homes – Septic (>1 acre lots)**
- **Crops - Irrigated**

Oregon's SWA Inventory Results

Surface Water Systems

Top 5 – In Higher Risk Category

- **Managed Forests (harvests/pesticides)**
- **Crops – Irrigated**
- **Grazing Animals (>5 large /acre)**
- **Parking Lots (>50 spaces)**
- **Transportation Corridors - Highways**

Oregon's SWA Inventory Results

Groundwater Systems

Top 5 – In Higher Risk Category

- **Wells / Abandoned Wells**
- **Large Capacity Septic Systems**
- **Septic –High Density (<1 acre lots)**
- **Parking Lots (>50 spaces)**
- **Underground Storage Tanks**

Oregon Source Water Protection Next Steps

- Use susceptibility results to build case for NEED to protect (by system, by risk)
- Develop strategy to address 5-10 highest risks for GW/SW (ex: assistance for well abandonment, septic risks)
- Transfer data lists of specific high risk PCS to other programs for prioritization (ex: tanks, WWTP, ODOT)

Oregon Source Water Protection “Hurdles”

- citizen concerns about pesticides (#1), monitoring frequency, drugs
- citizen concerns do not translate to agency priorities
- Oregon fish issues overwhelm drinking water issues
- easier to finance treatment than protection

Examples of Source Water Protection Components

- public awareness – CCR, sign installation
- incorporate pollution prevention concepts and BMPs for high-risk locations
- household hazardous waste education/collection
- Community/watershed spill response plans
- zoning ordinances
- easements in sensitive areas –agriculture/forestry
- septic system maintenance program
- technical training for high risk facilities' employees