

“AIM” is a three step process



1. Awareness
2. Information Sharing
3. Management Structure

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The Future of Drinking Water Protection and Environmental Health Land Use Planning



- Assessment
 - 1600 Reports completed in Colorado in 2001
- Protection
 - Using the screening level assessments, public water systems are encouraged to voluntarily develop a protection plan

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STEP 1: AWARENESS

WHAT IS SOURCE WATER ASSESSMENT AND PROTECTION?

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Statewide Source Water Protection Efforts

- 157 Source Water Protection (SWP) Plans in CO
- ~ 720,000 People served by PWS with SWP Plans
- Financial and Technical Assistance provided to complete SWP Plans
- Protection Plans Specifically Identify GIS spatial information with regard to water supply areas
- Colorado Rural Water Association employees (5) working across the state on plans
- CDPHE and USFS have an MOU to collaborate on SWP areas

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Why is Source Water Protection Important?

- Establish a Multiple Barrier Approach
- Protect a Vital Community Resource
- Reduce the Risk of Contamination and Costly Water Source Replacement
- Potential to Reduce Future Water Treatment Costs
- Reduce the Threat of Emerging Contaminants
- Establish Smart Growth/Development and Water Quality Relationships
- Build a Community Networking Structure for Drinking Water Protection

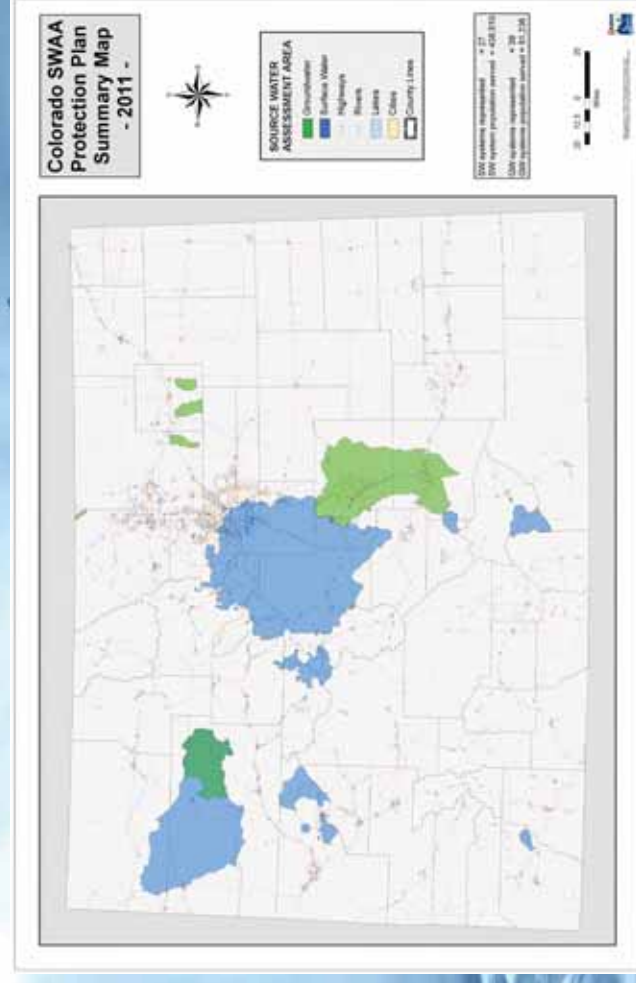
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AWARENESS LEADS TO INFORMATION SHARING

- Water Quality Control Division GIS files
- Information Sharing thru effective communication: Lists of Environmental Health Professionals that could benefit?

•CDPHE

CEHA



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Outcome: Suggested Management Approaches and Barriers

1. Obtain contacts and data sharing agreements for all environmental health professionals or planners that could benefit from drinking water location information.
 - Barriers: no consolidated list assembled, perhaps not everyone can use GIS technology, data security issues with drinking water intakes

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Management Structure

- Management Structure provides the framework for collaboration and information sharing
- Tangible business practices and standard operating procedures may provide drinking water protection and sustainability

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Contact Information

- SWAP Website and Grant Information: www.edphe.state.co.us/wq/sw/swaphom.html
- DVD's and CD's Available here today.
- SWAP Information Line: (303) 692-3592
 - General questions about SWAP and developing source water protection plans

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Outcome: Suggested Management Approaches and Barriers

2. Enter into a Memorandum of Understanding (MOU) that outlines how both the Water Quality entity (CDPHE) and environmental health organization (CEHA) will collaborate on implementing protections for drinking water sources.
 - Barriers: hesitancy to sign an MOU (legal issues), difficulty understanding and evaluating the data, variable protection approaches, timeframe and education of staff to implement the MOU.

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