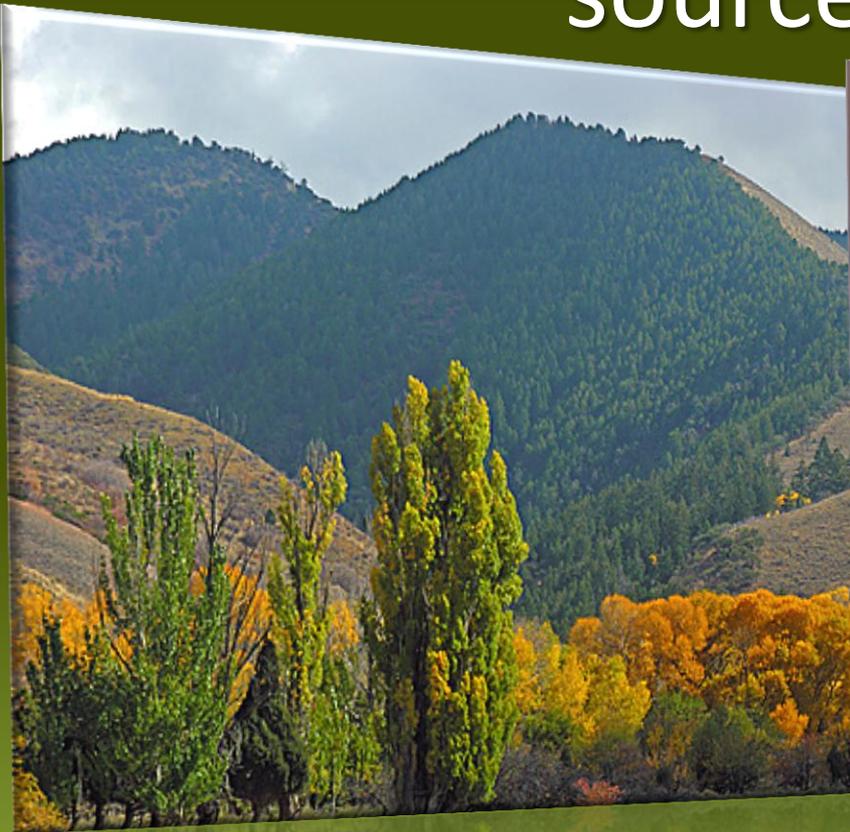


Bennington and Atomic City: Small-scale, cost effective source water protection





Bennington basics:

- Population: 190
- Water source: 1 active spring, 1 inactive spring, 2 wells
- Water system serves 250 people through 83 metered connections
- Protection Team: 4 members
- Within a DEQ Nitrate Priority Area

Potential Contaminant Sources

Source Description	TOT Zone ¹ (years)	Source of Information	Potential Contaminants ²
Roads and streets	0-10	Enhanced Inventory	IOC, VOC, SOC
Septic Tanks	0-3	Enhanced Inventory	IOC, Microbials
Dairy	Near 0-3	Enhanced Inventory	IOC, SOC, Microbials
Residential chemical use	0-6	Enhanced Inventory	IOC, VOC, SOC, Microbials
State Highway 30	Near 0-3	Map	IOC, VOC, SOC

Susceptibility to Contamination

Drinking Water Source	Susceptibility Scores									
	Hydrologic Sensitivity	Potential Contaminant Inventory and Land Use				System Construction	Final Susceptibility Ranking			
		IOC	VOC	SOC	Microbials		IOC	VOC	SOC	Microbials
Well #1	H	M	L	L	L	H	H	M	M	H
CRI Well	H	M	M	M	L	M	H	M	M	H

Drinking Water Source	Susceptibility Scores									
	Potential Contaminant Inventory and Land Use				System Construction	Final Susceptibility Ranking				
	IOC	VOC	SOC	Microbials		IOC	VOC	SOC	Microbials	
Inactive Spring	M	L	L	M	n/a	M	L	L	M	
Active Spring	M	L	L	L	L	M	L	L	L	

Implementation of Source Water Protection

- Certified Drinking Water Source Protection Plan
- Blackflow Prevention/Cross-Control Program
- Address Sanitary Survey deficiencies
- Install Source Water Protection signs
- Repair fencing at wells and springs
- Public awareness and education



Bennington

- Community-approved drinking water protection area
- Received DEQ grant funding to fence springs and fund an education program
- Protection area to be approved and accepted by Bear Lake County





Atomic City basics:

- Population: 29
- Water source: 2 wells
- Water system serves 29 people through 39 unmetered connections
- Protection Team: 17 members

Potential Contaminant Sources

MapID #	Source Description	TOT Zone (years)	Source of Information	Potential Contaminants
2	Abandoned Well	0-3	Enhanced Inventory	IOC, VOC, SOC, M
	Septic Tanks	0-3	Enhanced Inventory	IOC, M
1	Open UST	0-3	Database Inventory	VOC, SOC
3	Old Landfill/Borrow Pit	0-3	Map/Enhanced Inventory	IOC, VOC, SOC, M
	U.S. Route 26	3-6	GIS Map	IOC, VOC, SOC
	Racetrack	0-3	Enhanced Inventory (2011)	IOC, VOC, SOC
	Lake Seldom	0-3	Enhanced Inventory (2011)	IOC, M
4	Midway Airport/Airstrip; Emergency Use Only; no chemicals stored on site	3-6	Enhanced Inventory	IOC, VOC, SOC
	Seasonal streams	0-10	Enhanced Inventory	IOC, M

Susceptibility to Contamination

Drinking Water Source	Susceptibility Scores ¹								
	Potential Contaminant Inventory and Land Use				System Construction	Final Susceptibility Ranking			
	IOC	VOC	SOC	Microbials		IOC	VOC	SOC	Microbials
Well #1	M	M	M	M	H	H	H	H	H
Well #2	M	M	M	M	L	M	M	M	M

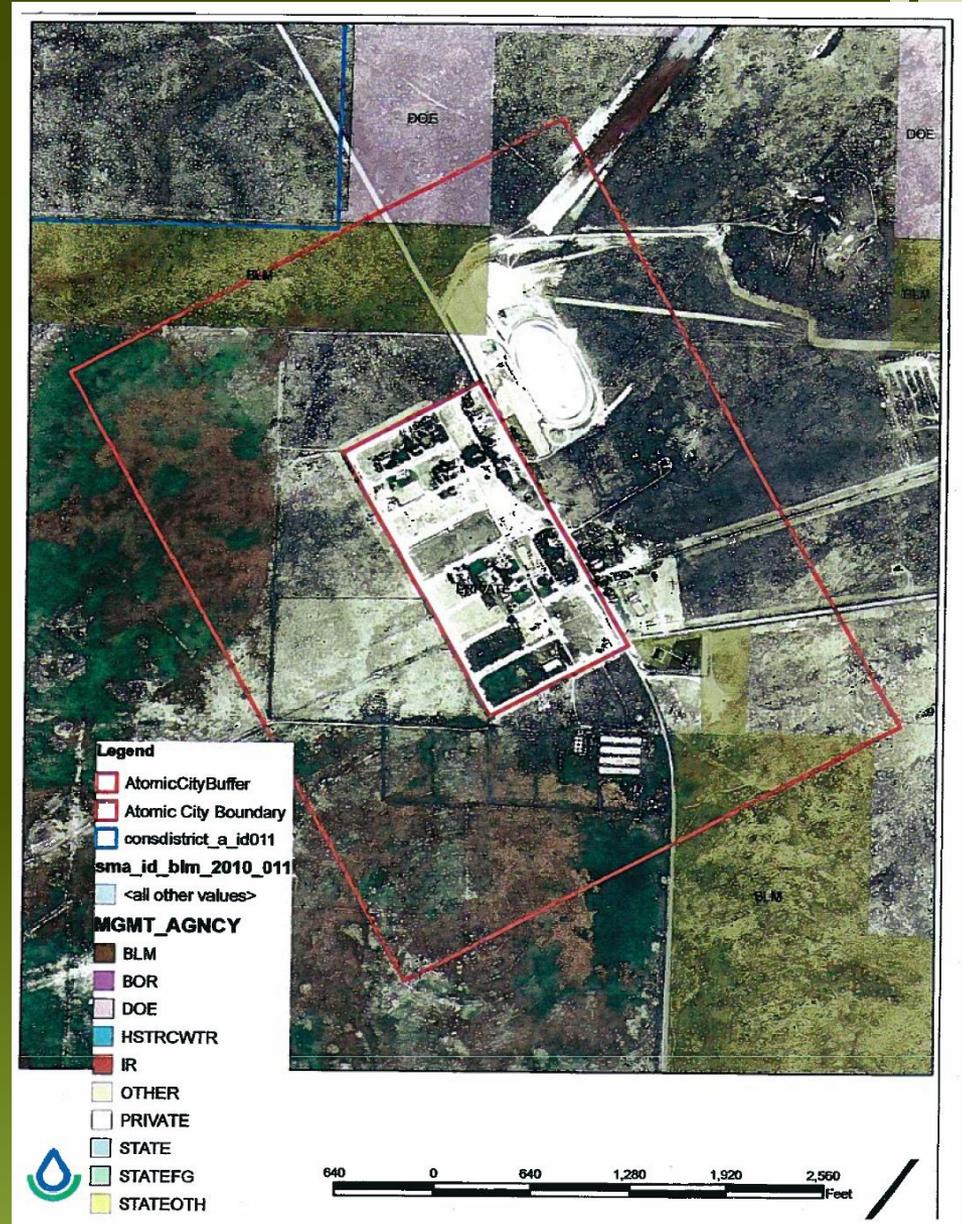


Implementation of Source Water Protection

- Recertified Drinking Water Source Protection Plan
- Ordinance for defining Area of City Impact, Bingham County
- Completed Security Vulnerability Self-Assessment
- Considering a city drinking water protection ordinance
- Backflow/Cross-Connection Program
- Public awareness and education

Atomic City

- Area of city impact/protection area implemented in City and County ordinance
- Self-funding an education and outreach effort



in summary.....

- You are responsible for your water quality by protecting the source.
- You to determine how to protect your source water and whether you want the protection measures to be voluntary or enforceable.
- For public water system sources
 - DEQ will provide technical assistance
 - DEQ competitive grant funding
 - Includes:
 - Forest Service-owned sources
 - Church-owned sources
 - Industry-owned sources
 - Municipal sources
- For private sources
 - DEQ can provide technical advice



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