

Why Are We Doing This Plan?

To create a tool for communities in Washoe County to help protect drinking water sources and manage the Truckee River watershed to maintain and or improve water quality.

The Plan Must Have These Qualities

Regional support and approval

Coordinated, consistent with and complementary to other plans

Useful to funding and regulatory agencies

Identify water quality problems and solutions

List of prioritized implementable projects

Process for implementation, with roles and responsibilities

Process to show benefits and accomplishments

Process

Team
Formation
& Scoping

Ground and Surface Water Characterization

Contaminant Evaluation

Management Strategies Action Plan & Public Education Public Review & Final Approval

Dates	Team Meeting Topics and Milestones
2017	
March 9	Program Overview
April 11	Existing planning documents; water quality concerns; plan needs
June 15	Desired outcomes and steps to achieve them
August 3	Plan purpose, goals understanding: Education, Funding, Collaboration, Communication
October 12	Understanding our water resources and tools
Nov / Dec	Understanding our aquifers and watersheds
2018	
January	Source Water Protection Areas
JanFeb.	Additional Stakeholder Outreach
March	Management Strategies for Aquifers and Watersheds
March to Dec.	Critical Project Profile Development and Prioritization
2019	
March	Plan Review
June	Final Plan Complete
May to Dec.	Public Review and Local Approval Process

Who is participating?

Washoe Washoe City of Sparks County Health City of Reno County District Remediation Flood Regional Storm Water **Planning** District Committee Management Nevada Land Conservation **TMWA** Other PWS District Trust

Who is participating?

Engineering

Planning

Public Works

Emergency Management Community Development

Flood Management

Federal Land Management Public Water Systems

Who Else?

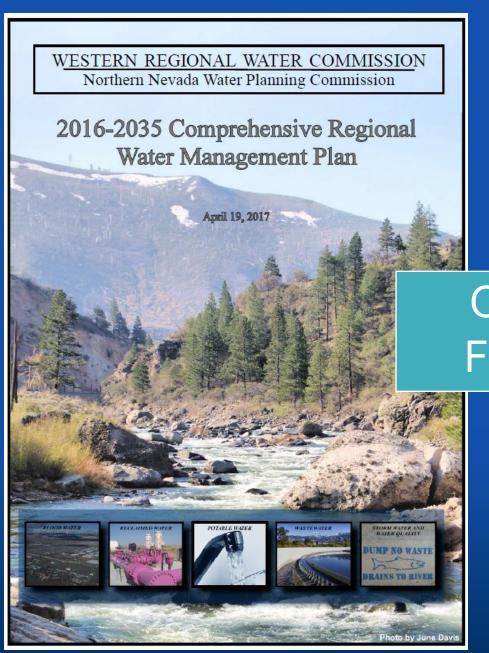
2012 Regional Plan



Truckee Meadows Regional Plan

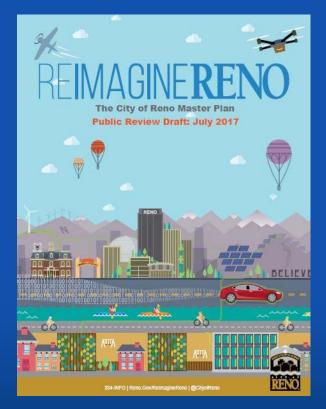
◆ City of Reno ◆ City of Sparks ◆ Washoe County

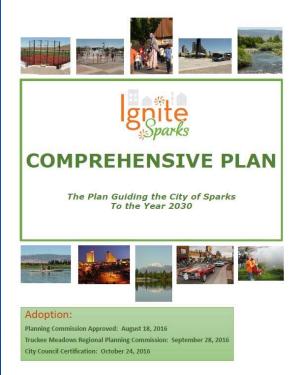
2017/2018 Update

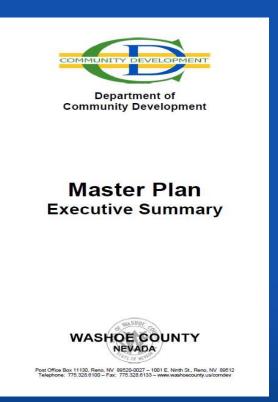


October 2017 Final Approval

Master Plans







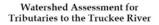
Key Planning Structure

Truckee Meadows Regional Plan 2012 (2017 Starting Update)

Comprehensive Regional Water Management Plan 2017

Sparks
Comprehensive Plan
2016

DRAFT City of Reno Master Plan 2017 Washoe County
Master Plan
2008



2015 Final Report



February 2016

The Truckee Meadows Stormwater Permit Coordinating Committee

Smith VDOT











TRUCKEE MEADOWS WATER AUTHORITY

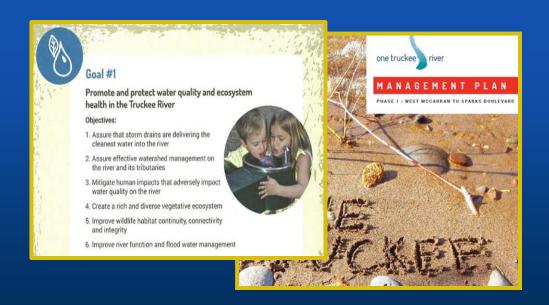
WELLHEAD PROTECTION PROGRAM

May 4, 2016



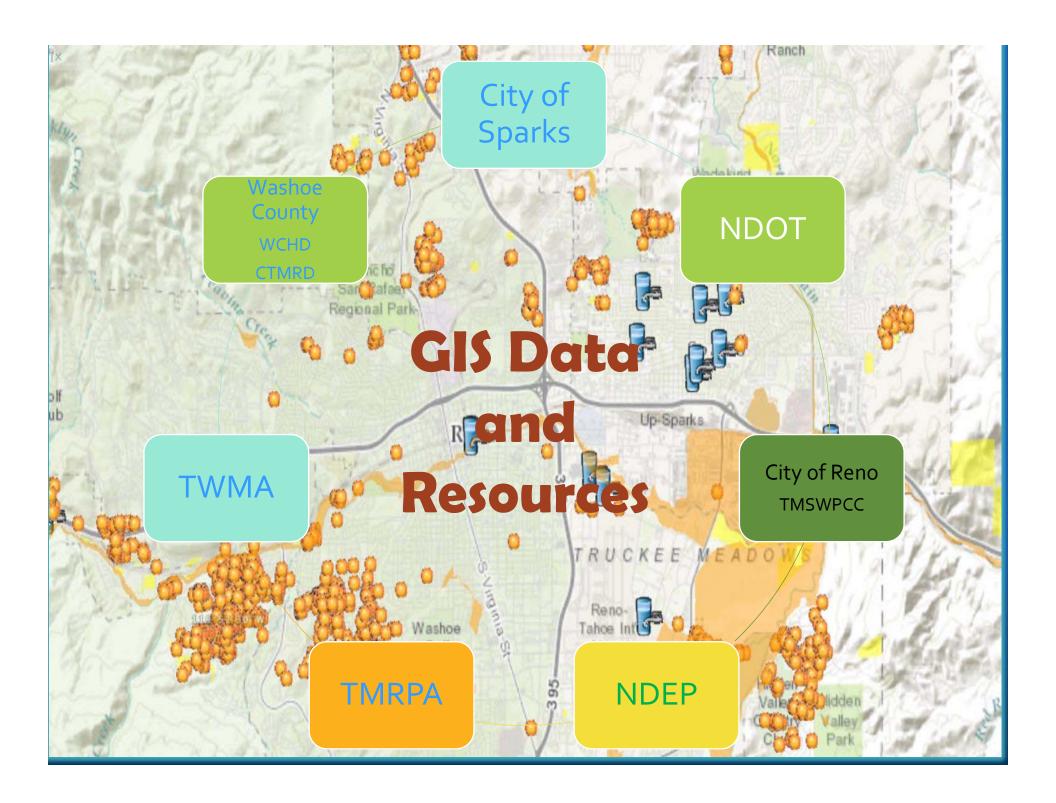
OWS WATER ORITY

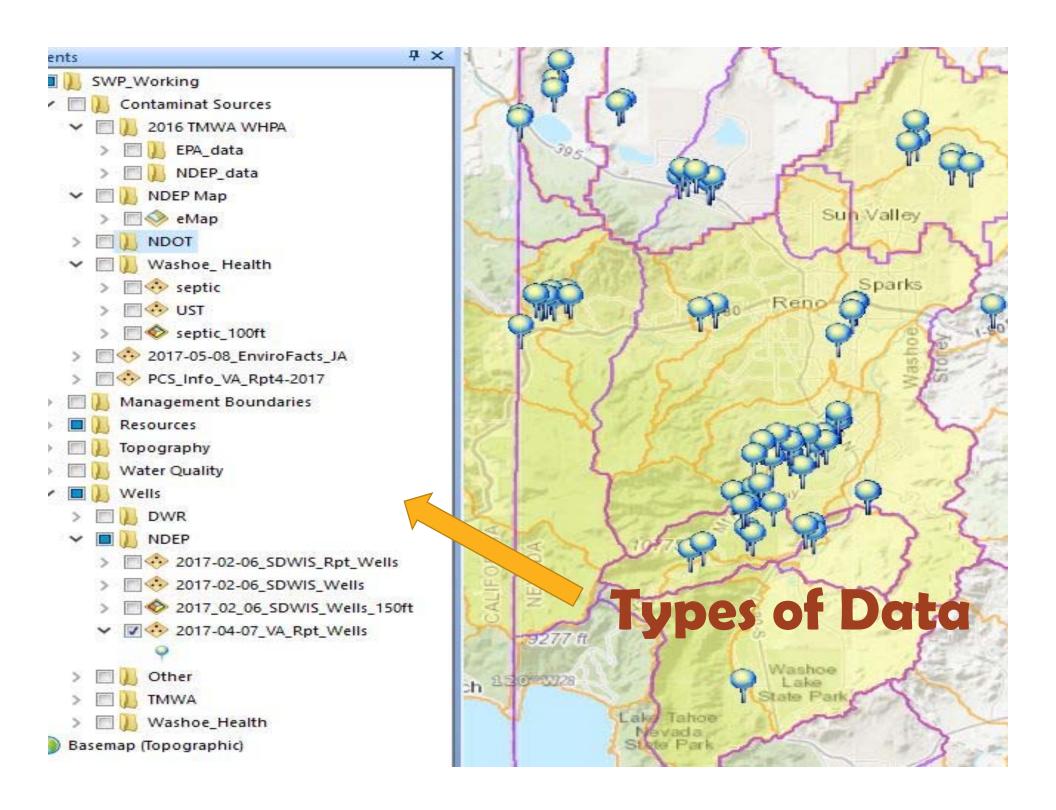
2016 - 2035 WATER RESOURCE PLAN

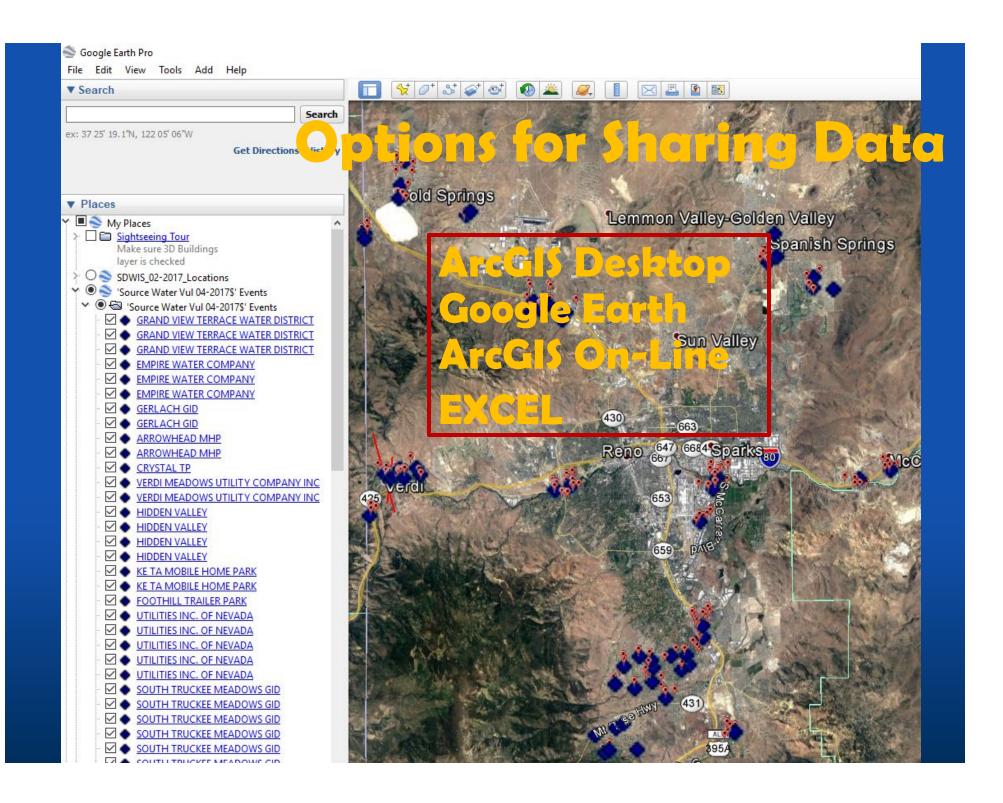


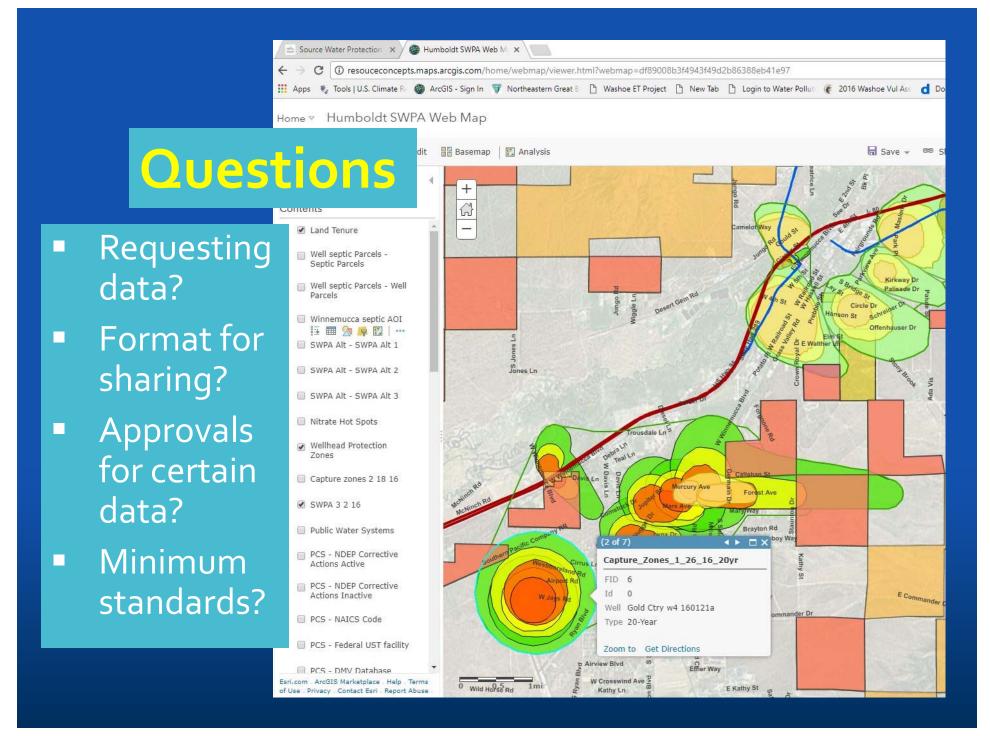
Funding Questions

- 1. Match: Does your agency/department have non-federal match for projects (such as 319 grant funded projects).
 - Approximate lead time necessary to commit to match
 - o For In kind
 - o For Cash
 - o Point person(s)?
 - O Types of approvals necessary?
 - O Dollar limitations for different levels of approval?
- 2. **Funds:** Does your agency/department have funds that can be used for projects?
 - Timing for regular funding cycles
 - Amount of funding typically available
 - Point person / contact
 - Advertisement link
- 3. **Lead Agency:** If grant opportunities were identified, could your agency be a lead?









What are the problems?

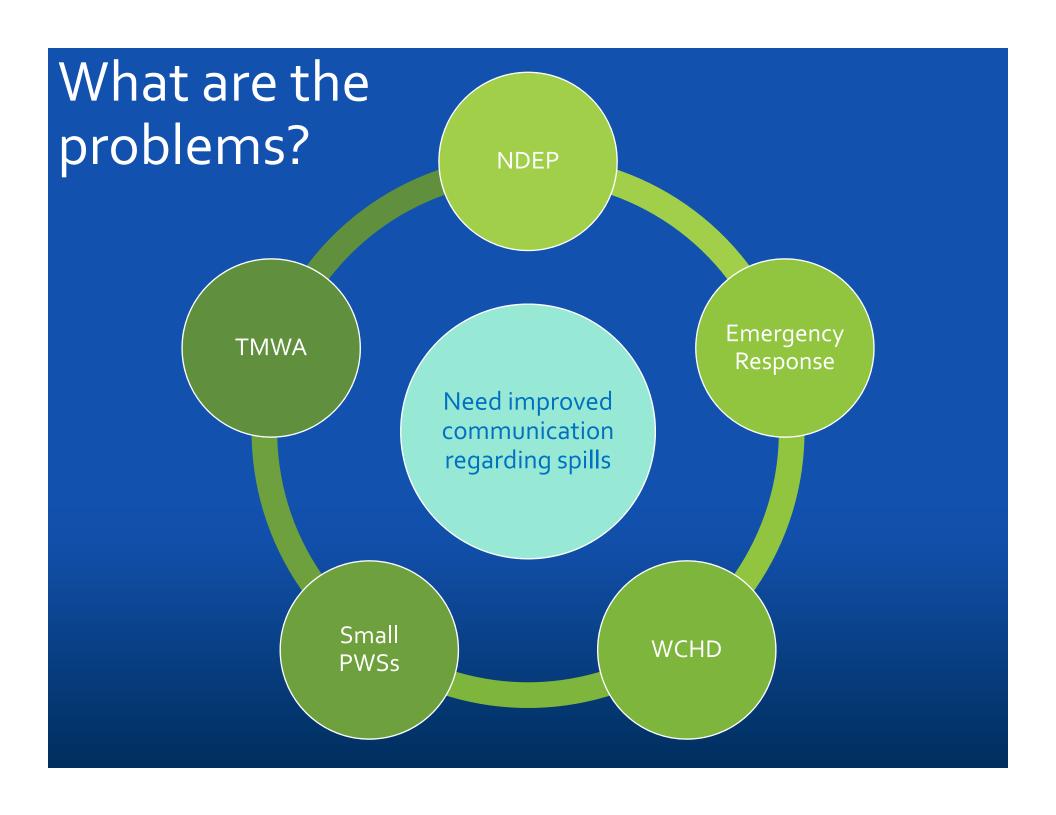




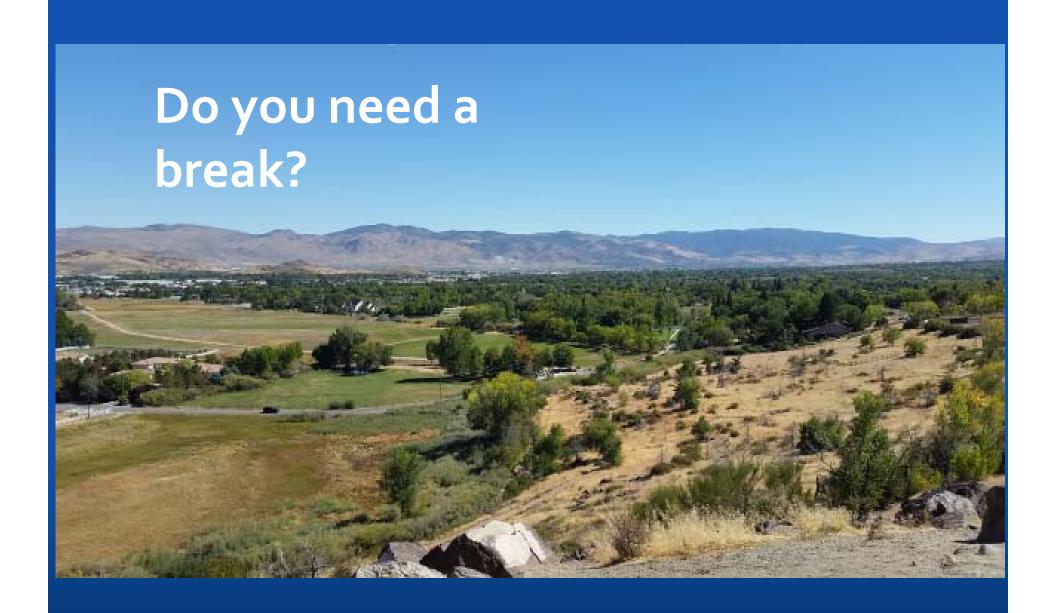
There are many contaminants in capture zones and watersheds across jurisdictional boundaries.

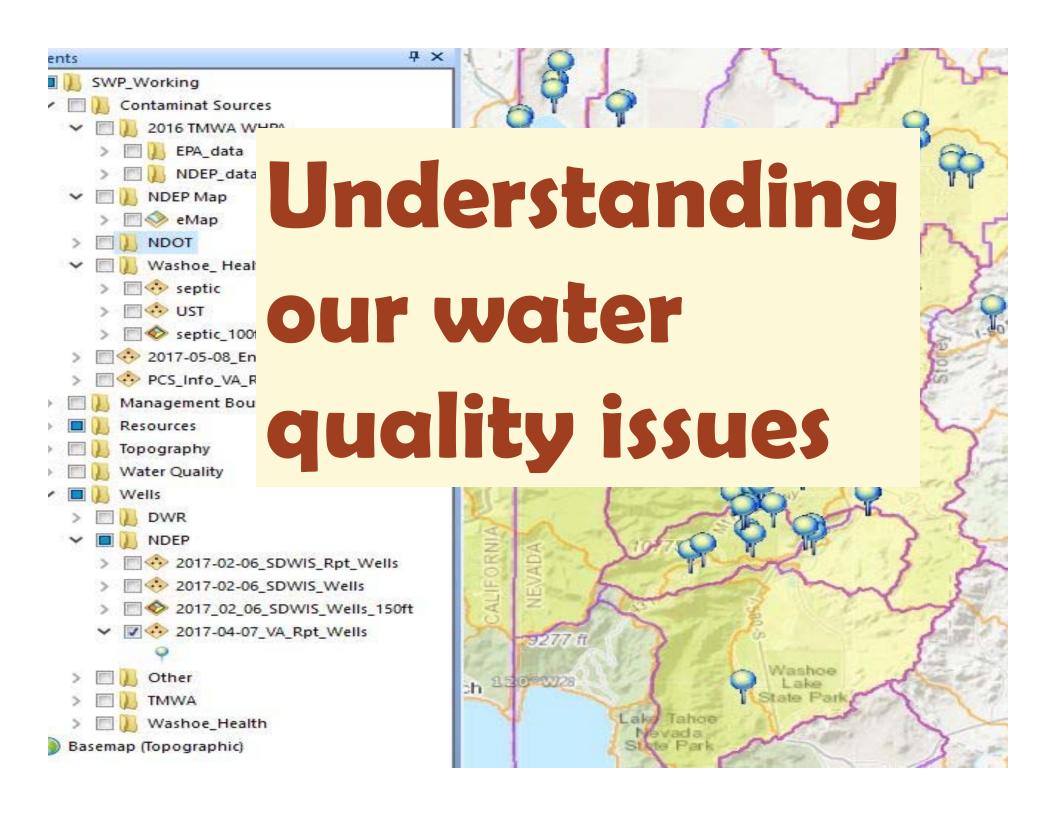
Coordination for protection is needed on many levels.

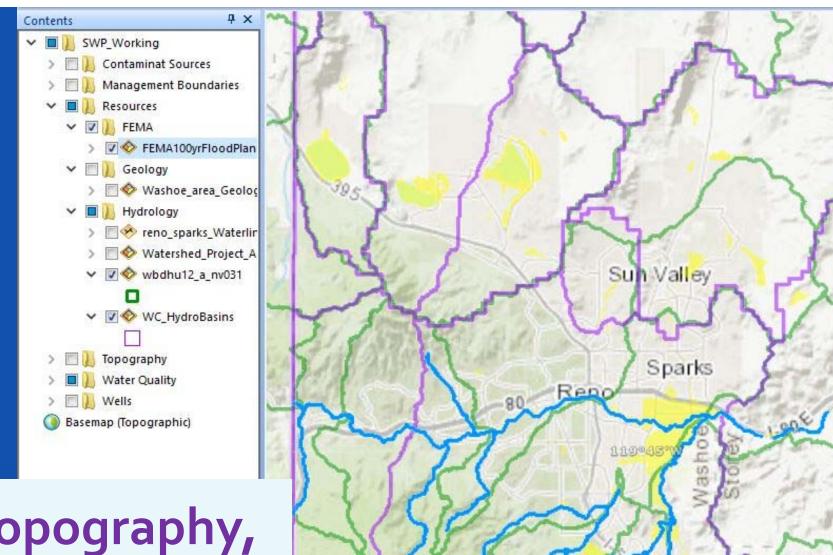
Water Quality



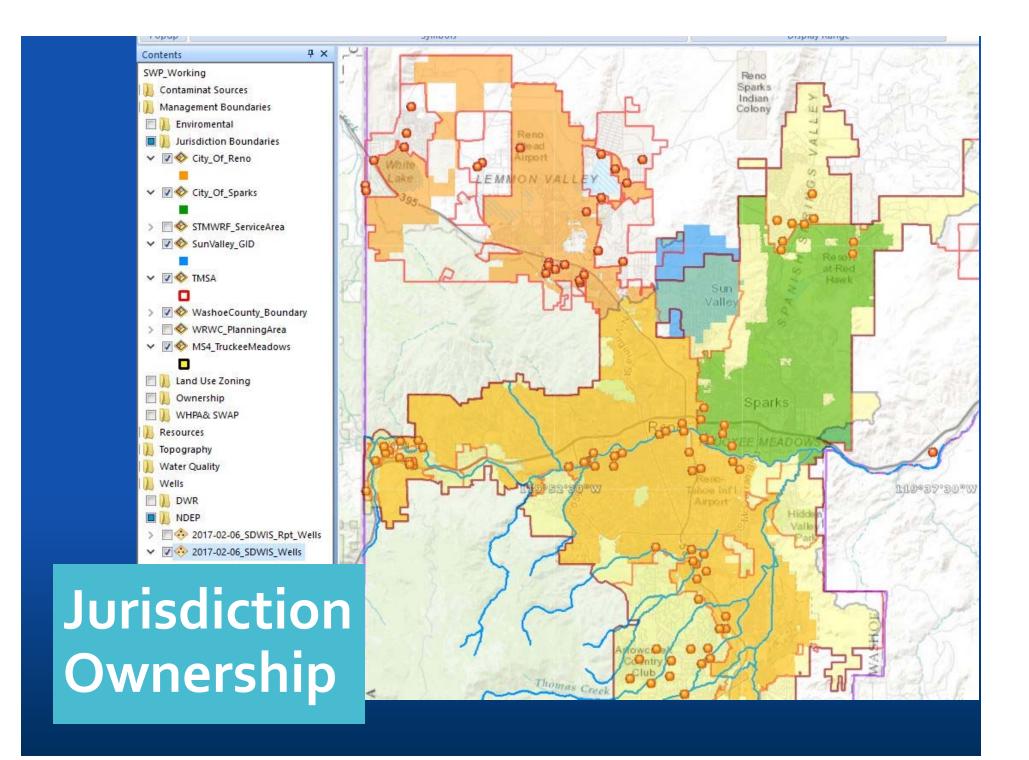
PCS Category	Management Strategy
PCE Sites	TMWA, CTMRD
Leaking Underground Storage Tanks	Identification and Reduction Plan Regulatory Enforcement WHPP Team Involvement
Abandoned or Private Wells	Well Survey Contact Owners and Drillers
Monitoring Wells	Management and Reduction Plan WHPP Team Involvement
Septic Systems	Septic Survey Contact Owners and Installers
Auto Repair, Gas Stations, Fueling Facilities, Manufacturing, Businesses	Regulatory Enforcement Contact Owners
Recreation Facilities	Interagency Cooperation WHPP Team Involvement
Government Installations	Interagency Cooperation WHPP Team Involvement

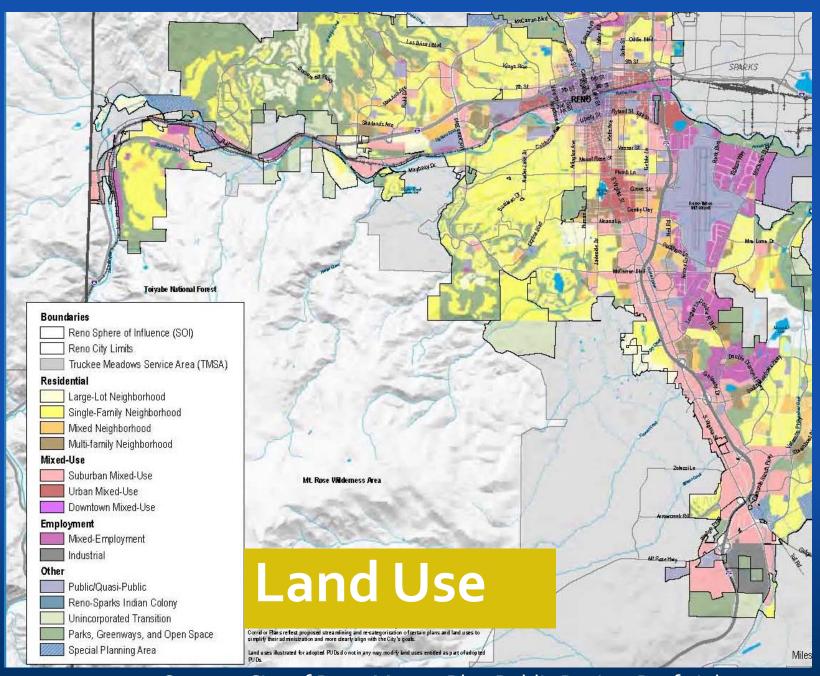




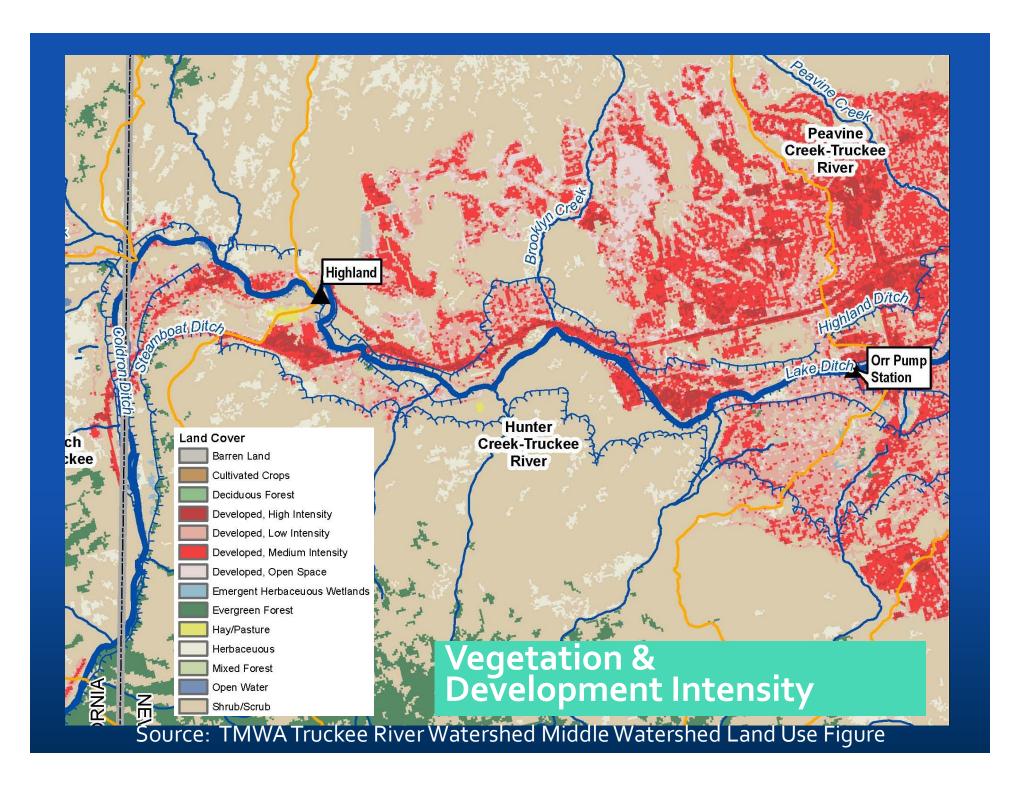


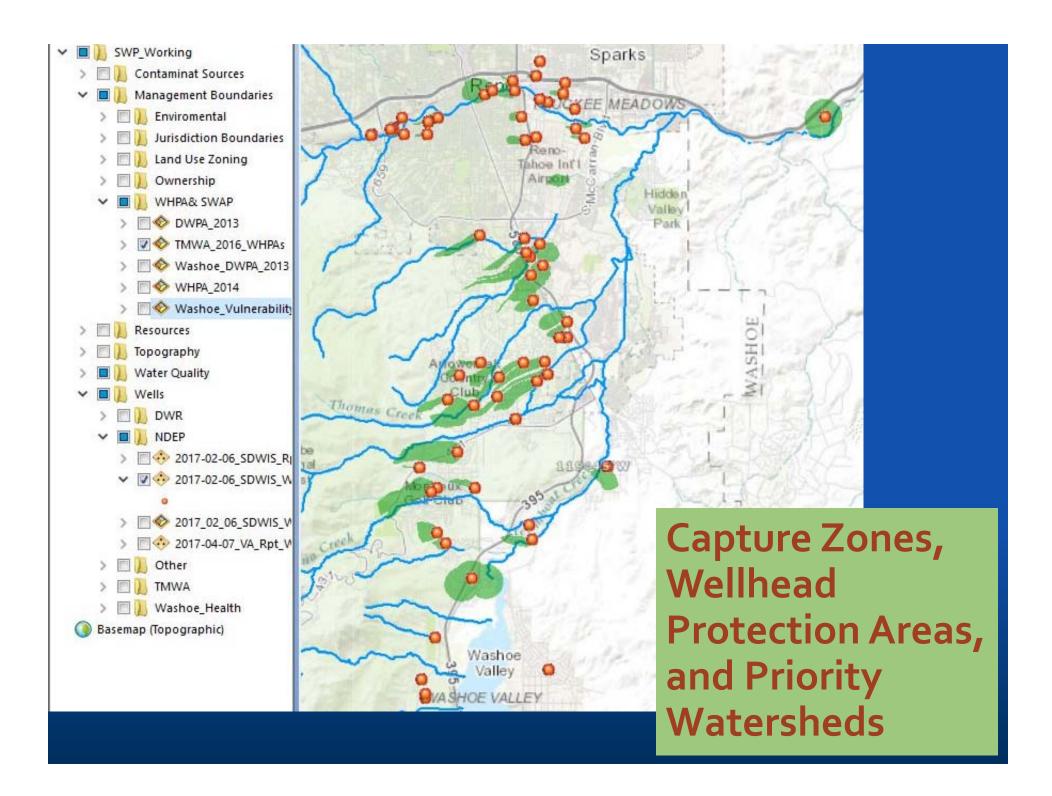
Topography, Geography, Hydrology

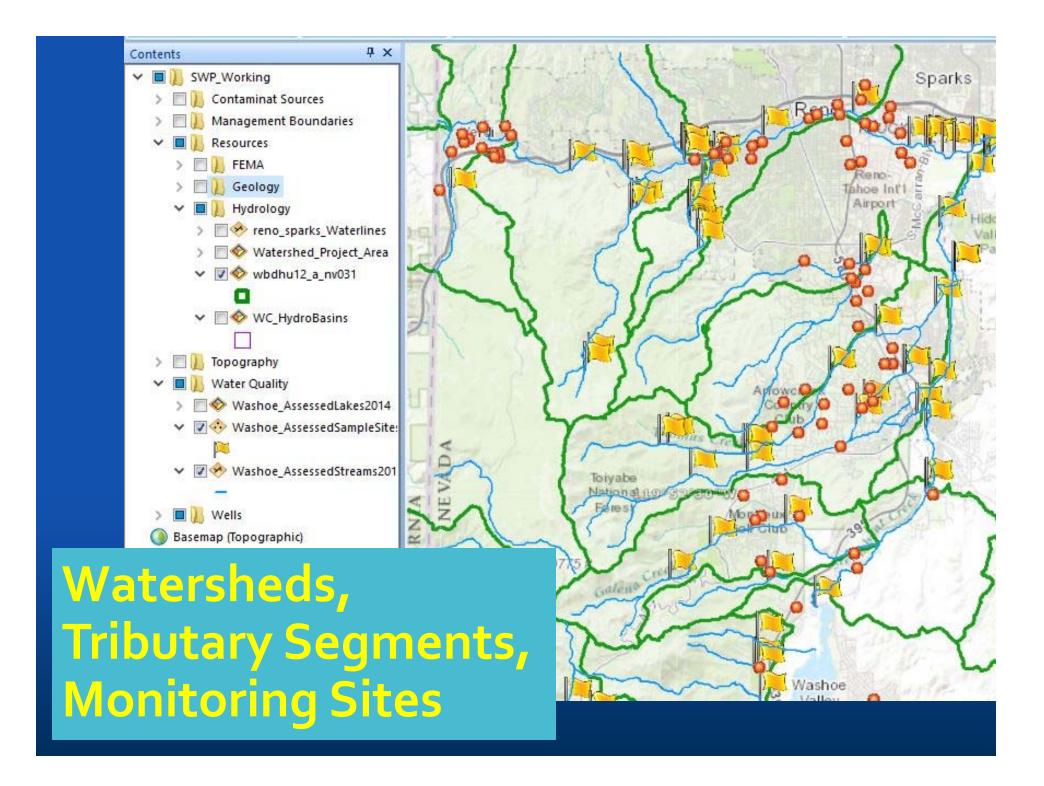


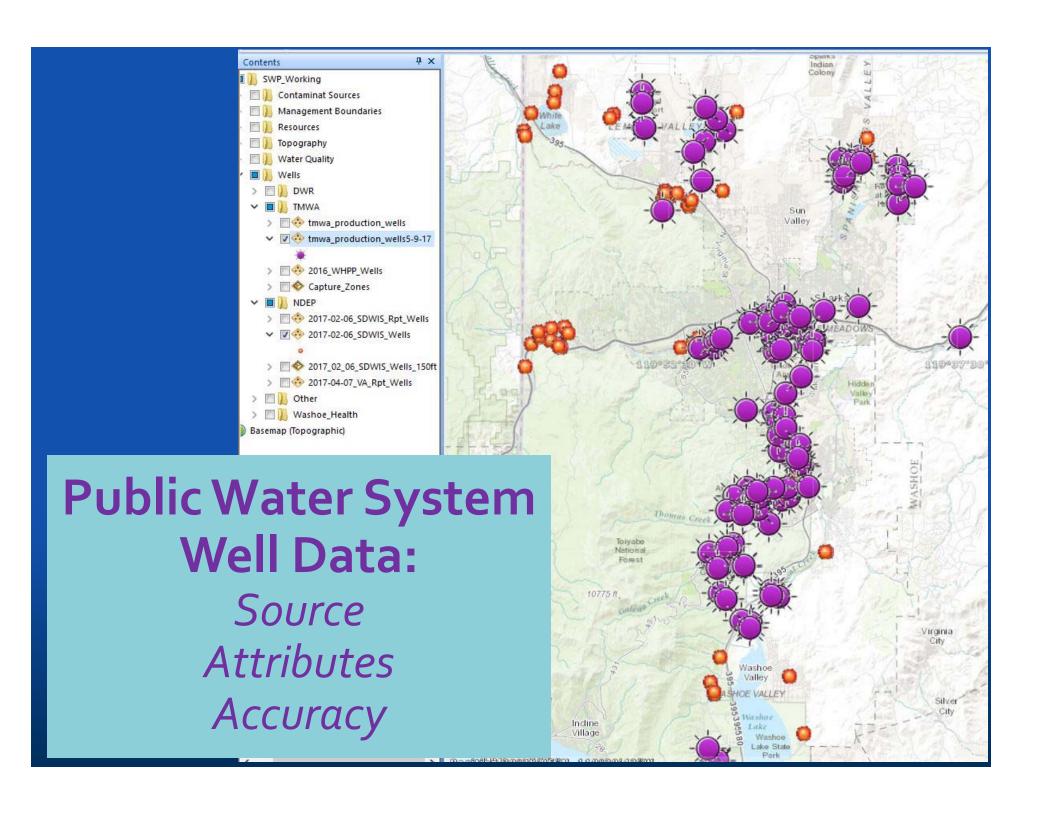


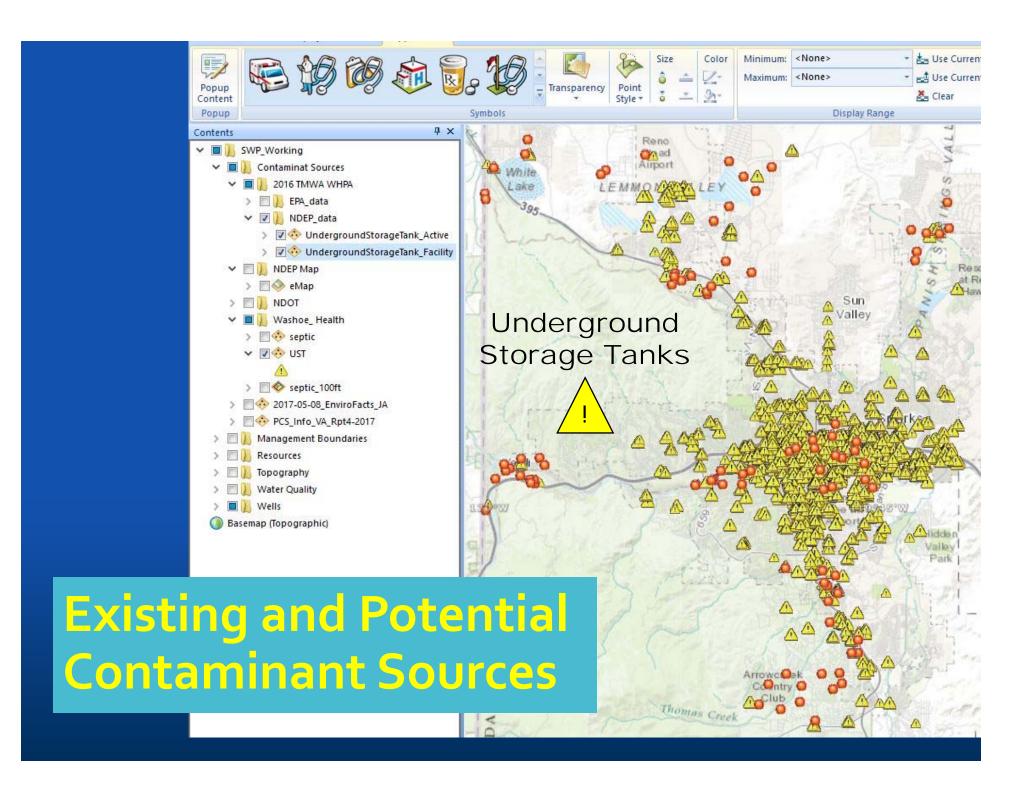
Source: City of Reno Master Plan Public Review Draft July 2017

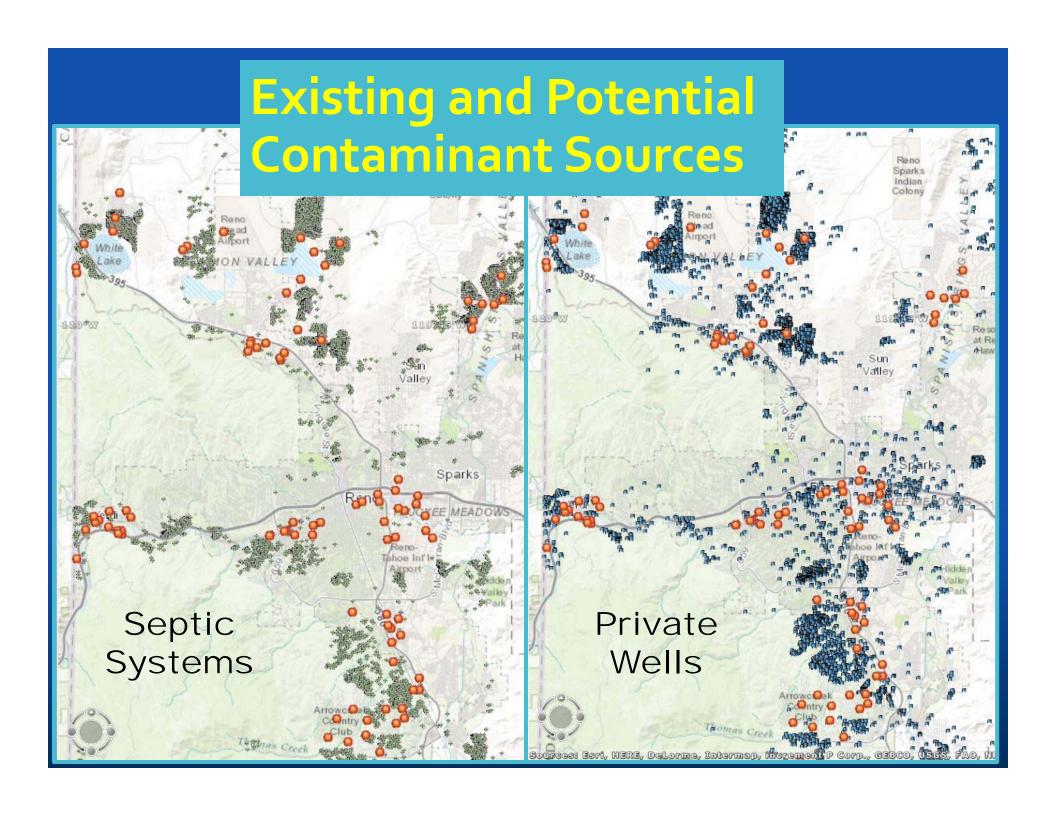


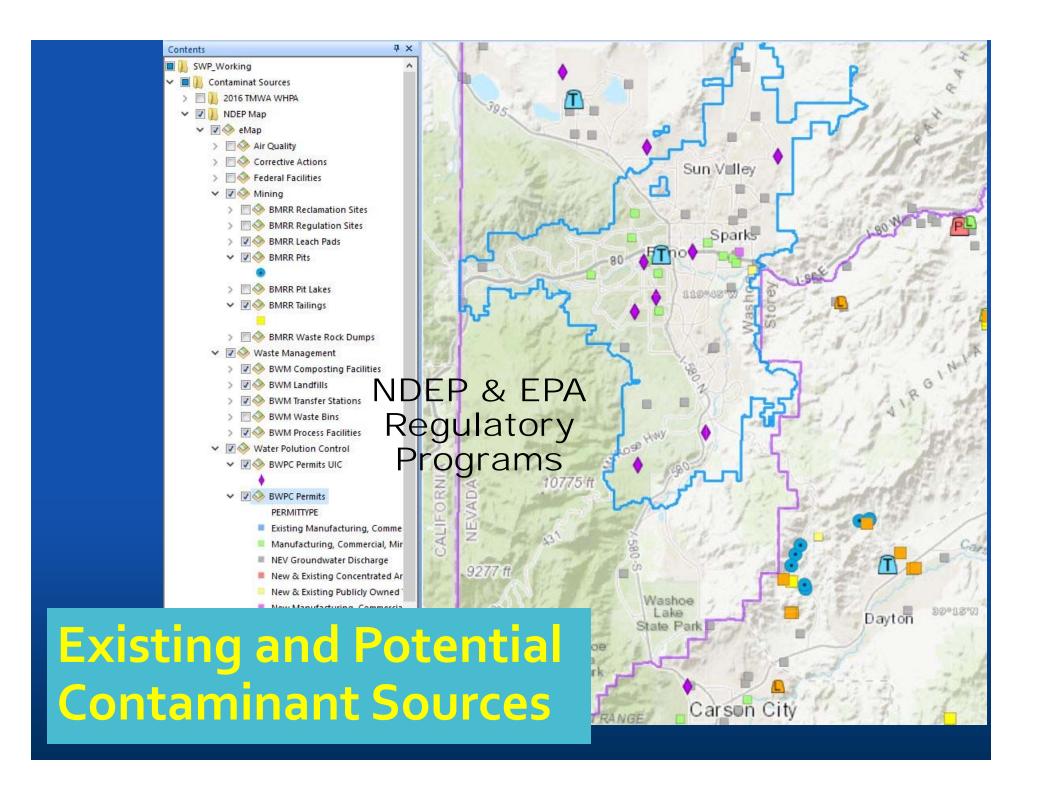












Creating a Useful Tool for Decision Making

Pulling it all together to something you can use!

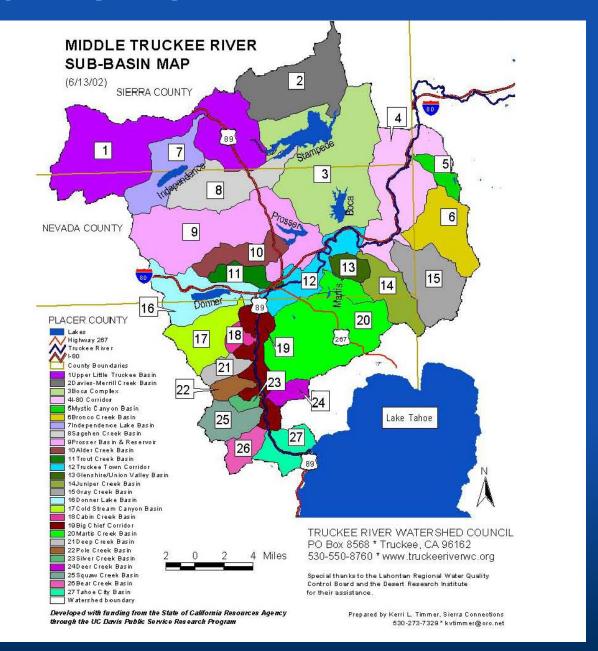
- Describe the Situation
- Prioritize Actions
- Implement

How to Break it Down?

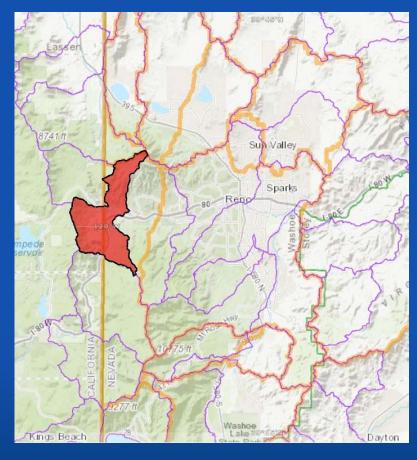
Hydrologic Divisions

Geographic Divisions

Jurisdictional Divisions



1.0 Introduction



Watershed (HUC 12): Bull Ranch Crk. GW Basin (091): Truckee Canyon Seg.

Area: 16,988 acres

Jurisdiction (% of area in NV):

Washoe Co. 82% Reno 18%

USDA FS 42% Non Fed 58%

Towns: Verdi, Mogul

Public Water Systems: 10

Surface: Truckee River, 2 Springs

PWS Wells: 13

Special Consideration: 2 States

California 38% Nevada 62%

2.0 Watershed & Source Water Description

General Comment:

Both sides of the Truckee R.

I-80 and Railroad corridor

Elevation: 8820 to 4760

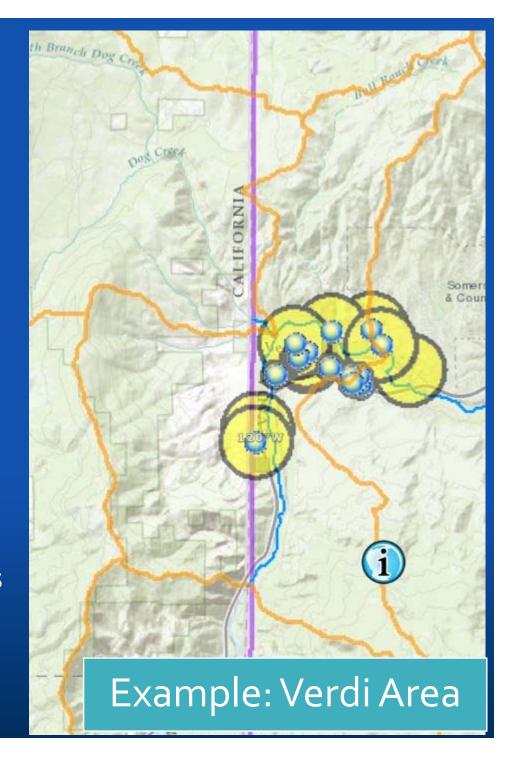
Tributaries:

Bull Ranch Crk, Sunrise Crk Coldron, Steamboat, Hill Lane, Powerhouse ditches

Source Water Protection Areas:

1200 & 3000 foot Well Buffers Aquifers:

Deeper fractured rock Shallow alluvial



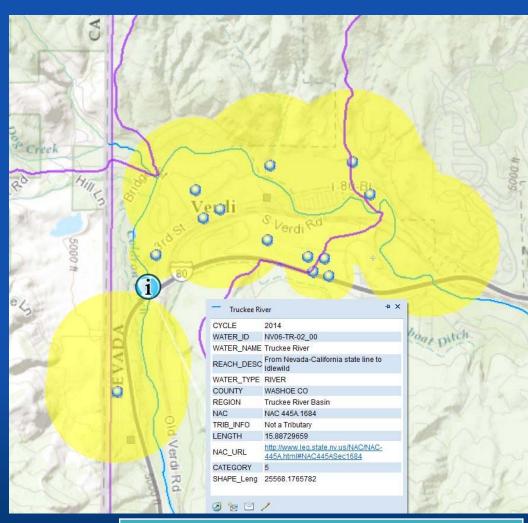
2.0 Watershed & Source Water Description

Water Use:

- Drinking Water
- GW Recharge
- Irrigation Diversions
- Wildlife, Recreation, Etc.

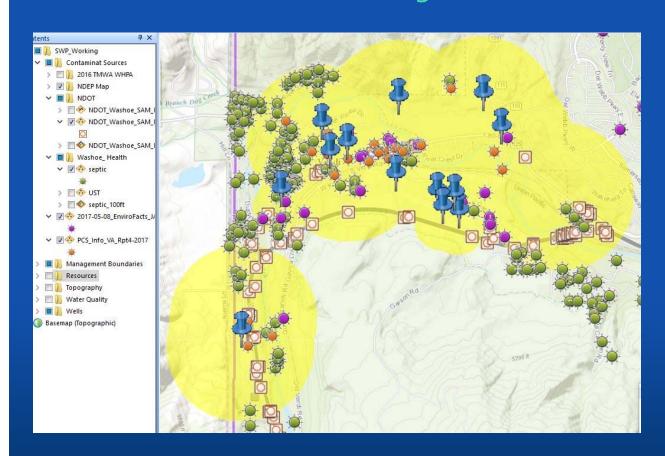
Water Quality Standards:

- In Stream WQ Standards
- TM and NDOT MS₄ Storm Water Requirements
- TMWA Treatment
- PWS Drinking Water MCLs



3.0 Water Quality Concerns

Existing and Potential Contaminant Sources:



- Septic Systems,
- Private Wells,
- USTs
- Highway
- Storm water
- Railroad
- EPA Database
- Other Facilities
- Spills

4.0 Ex. Plans Policy, Plans Programs

- Jurisdictions:
- MS4, TMWA, TMWRF, other PWS
- Reno, Washoe County
- WCHD, WRWC, TMRPA
- NDOT, State Lands, California(?)
- US Forest Service

Other Stakeholders:

Businesses

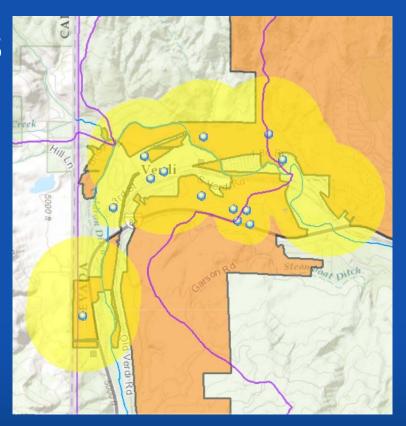
Community Organizations

KTMB, OTR, NLT

Truckee- Carson Conservation District

Truckee Watershed Council

NDOT, Railroad



5.0 Management Measures
TBD

6.o Plan Implementation TBD

7.0 Public Participation & Outreach TBD

