Appendix G

Plan Update Materials

Nevada Integrated SourceWater Protection Program

MEMORANDUM

Humboldt County Community Source Water Protection (CSWP) Plan
2026 Routine Plan Update

TO: Humboldt County Manager's Office; Local Planning Team Members; Nevada Division of Environmental Protection, Bureau of Safe Drinking Water

FROM: Resource Concepts, Inc. (RCI)

DATE: July of 2026

SUBJECT: 2026 Plan Update — Community Source Water Protection Plan for Public Water Systems in Humboldt County, Nevada

PROJECT: Humboldt County Integrated Source Water Protection Program

Executive Summary

This memorandum summarizes the 2026 routine update to the Humboldt County Community Source Water Protection (CSWP) Plan. The update reflects minor but important changes since the 2023 major revision, including updates to public water system status, the addition of one new public water system and associated Source Water Protection Area, revisions to the Local Planning Team, and documented progress on source water protection implementation.

The updated Action Plan highlights ongoing accomplishments in public outreach, interagency coordination, planning integration, and infrastructure improvements. This routine update supports continued implementation of the CSWP Plan and reinforces Humboldt County's commitment to proactive, community-driven protection of public drinking water sources.

This memorandum serves as a record of the 2026 routine update and is intended for distribution to Humboldt County, participating public water systems, and relevant state and local agencies.

Background

The Humboldt County CSWP Plan is a voluntary, community-driven document developed under the Nevada Integrated Source Water Protection Program (ISWPP), administered by the NDEP, Bureau of Safe Drinking Water (BSDW). The original plan was developed by the Local Planning Team and adopted by the Humboldt County Board of Commissioners and the City of Winnemucca City Council in December 2016, with a subsequent major update completed in 2023.

The CSWP Plan identifies and protects public drinking water sources—primarily groundwater wells and springs—serving public water systems across the county, including communities such as Winnemucca, Golconda, Paradise Valley, Orovada, McDermitt, Valmy, and Denio, among others. The CSWP Plan was incorporated by reference into the Humboldt County Master Plan in November 2020, reinforcing its role in local planning and decision-making.

To maintain the Plan's relevance, sustain agency and stakeholder engagement, and document ongoing source water protection efforts, the Local Planning Team has elected to conduct routine updates between major revisions.

Scope of this 2026 Plan Update

This 2026 routine update was prepared to accomplish the following objectives:

- Reflect changes in public water system status, including newly active/inactive systems and updates to well inventories
- Identify changes to public drinking water sources, such as new wells or planned future sources
- Document source water protection accomplishments achieved since the 2023 major update through revising the Action Plan (Appendix E), included as an attachment to this memorandum
- Note changes to the Local Planning Team and document current participation
- Incorporate other relevant updates to the CSWP Plan based on community priorities

Summary of Changes

The table below summarizes the sections and appendices revised during the 2026 routine update, along with a brief description of each change and its nature (administrative or substantive).

Plan Section / Appendix	Description of Change	Nature of Revision
Main Body of the Plan	Updated public water system status (active/inactive), water source inventory, and Local Planning Team participation and roles	Administrative / Substantive
Appendix A – SWPA Maps	Added a new 3,000-foot fixed-radius SWPA for NV0004051 – P&L Denio Junction RV Park	Substantive
Appendix B – Documentation	Added 2026 Local Planning Team meeting records to reflect continued coordination and CSWP Plan implementation	Administrative
Appendix D – Contaminant Source Summary	Updated Potential Contaminant Source (PCS) Inventory to include Tier II reporting locations within SWPAs and Areas of Interest (AOI) in coordination with County Emergency Management (*Updated PCS Inventory includes sensitive information and has been made available only for the Local Planning Team.)	Substantive
Appendix E – Action Plan	Updated to document source water protection accomplishments from 2023-2026 and to include revised and new actions for continued implementation	Substantive

Updated List of Public Drinking Water Sources

The table below (Humboldt County CSWP Plan Table 1-1, *Water System Wells Considered in the Plan*) is carried forward from the 2023 CSWP Plan. The public water system highlighted in green (P&L Denio Junction RV Park – NV0004051) is a newly active non-transient non-community water system with one well. Public water systems highlighted in orange are no longer active. No additional wells have been drilled or are planned beyond those identified in the 2023 Plan update and the addition of this new system.

A 3,000-foot fixed-radius Source Water Protection Area (SWPA) has been delineated for the P&L Denio Junction RV Park well in accordance with Nevada Division of Environmental Protection (NDEP) Vulnerability Assessment Program guidelines to approximate the 10-year time-of-travel capture zone. This SWPA will be included in Appendix A – SWPA Maps and is provided as an attachment to this memorandum.

SWPAs associated with inactive public water systems will continue to be included in the CSWP Plan, as these systems may be reactivated in the future. The list of public water systems will be reevaluated during the next major update.

Table 1-1. Water System Wells Considered in the Plan (CSWP Plan)

Water System Number and Name[1/]	Local Well Name/ State Identifier	Water System Type
NV0000001 Denio Junction	Well 1 / W01	Transient Non-Community
NV0000162 McDermitt General Improvement District	Well 1 / W01 Well 2 / W02[5/] Well 3 / W03	Community
NV0000248 City of Winnemucca	Railroad Spring / SP05 Well 5 / W03 Well 6 / W04 Well 7 / W06 Well 4 / W07 Well 2A / W08 New Well 8 / W11	Community
NV0000252 Star City Properties	Well 1 / W01 Well 2 / W02	Community
NV0000352 Scott Shady Court[2/] *No longer an active public water system (2026 Plan Update).	West Well 1 / W01 East Well 2 / W02 Middle Well 3 / W03	Transient Non-Community
NV0000915 A1 Fuel Stop (Santa Rosa Station)[3/]	Well 1 / W01	Transient Non-Community
NV0001054 NDOT Button Point Roadside Park[4/] *No longer an active public water system (2026 Plan Update).	Well 1 / W01	Transient Non-Community
NV0001148 Diamond Plastics[6/]	Well 2 / W02	Non-Transient Non-Community
NV0001191 CSS Farms LLC[6/]	Well 1 / W01	Non-Transient Non-Community
NV0002094 Diamond Inn Bar[6/] *No longer an active public water system (2026 Plan Update).	Well 1 / W01	Transient Non-Community
NV0002095 Pilot Travel Center	Well 1 / W01	Non-Transient Non-Community

Water System Number and Name[1/]	Local Well Name/ State Identifier	Water System Type
NV0002102 NDOT Valmy Roadside Park	Well 1 / W01	Transient Non-Community
NV0002106 Paradise Valley Park	Well 1 / W01	Non-Transient Non-Community
NV0002112 Valmy Chevron (Valmy Station)[3/]	Well 2 / W02	Transient Non-Community
NV0002113 Paradise Valley Community Hall	Well 1 / W01	Transient Non-Community
NV0002186 Paradise Valley Elementary School	Well 1 / W01	Non-Transient Non-Community
NV00002191 Sand Dune Saloon[4/] *No longer an active public water system (2026 Plan Update).	Well 1	Transient Non-Community
NV0002198 Kings River Elementary School	Well 2 / W02	Non-Transient Non-Community
NV0002220 Lye Creek Campground	Spring / SP01	Transient Non-Community
NV0002513 North Valmy Power Plant	Well GP 3B / W03 Well GP 2R / W04	Non-Transient Non-Community
NV0002542 Royal Peacock RV Park	Well 1 / W01	Transient Non-Community
NV0002543 Virgin Valley Campground	Well 1/W01	Transient Non-Community
NV0003016 Valmy Station Mobile Home Park	Well 1/W01	Community
NV0003032 Orovada Water District	Well 1 / W01 Well 2 / W02	Community
NV0003079 Gold Country Estates	Well 1 / W01 Well 2 / W02 Domestic Well 3 / W03 Fire Well 4 / W04 Future Well 5	Community
NV0004051 P&L Denio Junction RV Park *New public water system (2026 Plan Update).	Well 1 / W01	Non-Transient Non-Community
NV0005029 Golconda General Improvement District	Pole Spring Pole Creek Well/W01 I-80 (Fire) Well / W03	Community
NV0005069 Humboldt Conservation Camp *No longer an active public water system (2026 Plan Update).	Well 1 /W01	Non-Transient Non-Community

Updated Local Planning Team Members and Roles

The table below (Humboldt County CSWP Plan Table 2-1, *Local Planning Team Members and Roles*) has been updated to reflect changes to the Local Planning Team.

Table 2-1. Local Planning Team Members and Roles (CSWP Plan)

Name, Title	Jurisdiction and Role
Alicia Heiser, City Manager/City Engineer	City of Winnemucca coordination and water system review
Alison Cramer, Environmental Specialist	RCI Technical Assistance
Betty Lawrence, Senior Planning Technician	Regional Planning Department (County and City)
Carol Lynn	Humboldt County Emergency Manager
Daniel Ferraro	Public Works Director
David Anderson	Humboldt County Assessor's Office, GIS Specialist
Don Kalkoske, County Manager	Humboldt County, Overview and Coordination
Ethan Mason, ISWPP Coordinator	Nevada DEP, Technical and Funding Assistance
Erin Smith, Resource Specialist	RCI Technical Assistance
Jacklyn Orr	Economic Development Officer overview and coordination
Jennifer Trujillo	Administrative Assistant for Public Works
Jill Sutherland, Engineer	RCI Technical Assistance

County-Wide Source Water Protection Implementation

Since the 2023 major update to the CSWP Plan, significant efforts have been made to protect public drinking water sources across Humboldt County. As part of the 2026 routine update, the Action Plan has been revised to reflect these accomplishments and is included with this memorandum as an attachment.

Key accomplishments include continued expansion of public education and outreach through development of a County water quality website and distribution of informational materials; ongoing coordination through regular Local Planning Team meetings and interagency collaboration; and substantial improvements to GIS mapping and asset management for multiple public water systems. The County has also advanced planning and policy integration by developing a zoning-based potential contaminant source crosswalk and incorporating source water protection into broader planning efforts, including updates to the Regional Master Plan and Emergency Management planning.

In addition, progress has been made on technical and infrastructure-related efforts, including participation in statewide PFAS sampling programs, continued implementation of the Grass Valley wastewater planning and funding efforts, installation of wellhead security improvements, and system upgrades such as remote monitoring, alarm systems, and water quality tracking for systems such as McDermitt. These efforts reflect the County's ongoing commitment to proactive, collaborative source water protection.

Next Steps

The Local Planning Team remains actively engaged in implementing the Humboldt County CSWP Plan and continues to work collaboratively toward protecting public drinking water sources. Through ongoing coordination, routine plan updates, and continued implementation of Action Plan items, the Team demonstrates a sustained commitment to proactive, community-driven source water protection.

The Local Planning Team and participating public water systems are encouraged to continue implementing the priority actions identified in the updated Action Plan (Appendix E). The CSWP Plan will be revisited routinely to track implementation progress and document changes to water system status, source water characteristics, and the local regulatory environment. Proposed revisions will be recorded in the Revision History of the Executive Summary.

For questions regarding this memorandum or the Humboldt County CSWP Plan, please contact Resource Concepts, Inc. at (775) 883-1600, or the Nevada Division of Environmental Protection, Bureau of Safe Drinking Water.

Attachments

1) **Appendix A**
   Source Water Protection Area Maps (Updated 2026)
2) **Appendix B**
   Documentation (Including 2026 Local Planning Team meeting notes and update records)
3) **Appendix E**
   Action Plan (Revised to include 2023-2026 accomplishments and future actions)

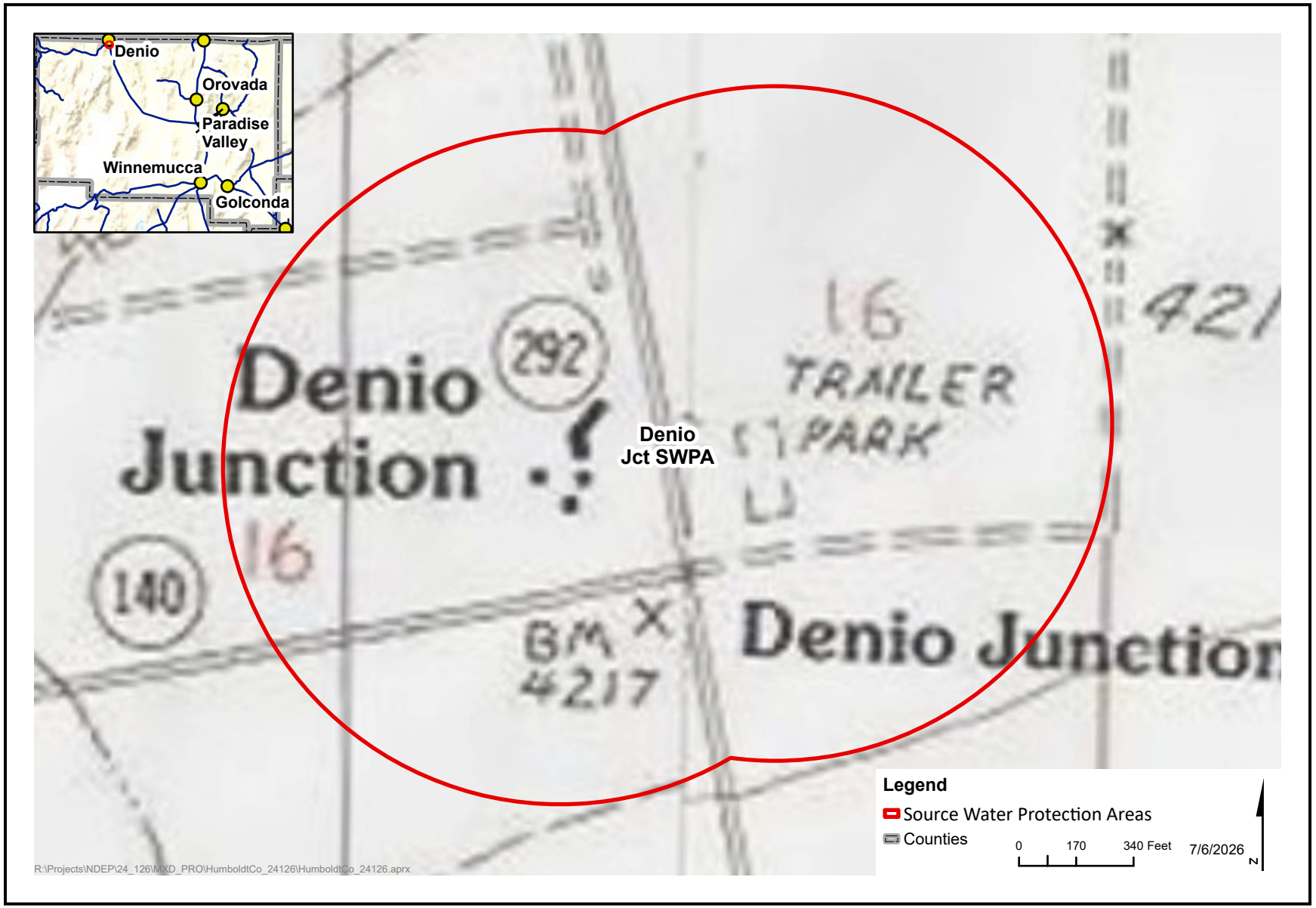
Not included:

Appendix D
Contaminant Source Inventory (Updated 2026 – *available upon request due to sensitive information*)

Appendix A

Source Water Protection Area Maps

(Updated 2026)


Denio
Orovada
Paradise Valley
Winnemucca
Golconda
Denio Junction
292
140
16
TRAILER PARK
BM 4217
Denio Junctior
Denio Jct SWPA
Legend
Source Water Protection Areas
Counties
0
170
340 Feet
7/6/2026
N
R:\Projects\NDEP\24_126\MXD_PRO\HumboldtCo_24126\HumboldtCo_24126.aprx

Appendix B

Documentation

(2026 Routine Update Meeting Notes)

Agenda

Source Water Protection Program

2026 Source Water Protection Annual Check-in Meeting

Date: Thursday, February 12, 2026
Time: 10AM – 11AM (PST)
Where: Teams

1. **Welcome & Introductions**
2. **Source Water Updates**
   - Are there any changes to water sources?
   - Other community changes to consider?
3. **Brief Overview of Potential Contaminant Sources**
   - Are there any new concerns?
   - Discuss Emerging Contaminants
4. **Review Action Items in the CSWP Plan**
   - What has been completed? What is in progress?
5. **General Discussion**
   - Does the Team need to be updated?

Next Steps

Schedule any follow-up meetings.

Nevada Integrated SourceWater Protection Program

Meeting Notes

2024 Community Source Water Protection Planning Annual Meeting – PWSs for Humboldt County

Date: February 12, 2026 & February 25, 2026
Time: 10:00AM-11:00AM (Pacific)
Where: Virtual Meeting on Teams

Attending

NAME	CONTACT INFORMATION		AFFILIATION
	Ph #	Email	
Michelle Hammond Allen	(775) 375-3158	Michelle.hammond@humboldtcountynv.gov	Economic Development Officer, Humboldt County
Betty Lawrence	(775) 623-6392	Betty.lawrence@humboldtcountynv.gov	Senior Planning Technician, Humboldt County
Don Kalkoske	(702) 623-6300	Don.kalkoske@humboldtcountynv.gov	County Manager, Humboldt County
Carol Lynne	(775) 375-3195	carol.lynn@humboldtcountynv.gov	Emergency Manager, Humboldt County
Jacklyn Orr	(775) 375-3158	jacklyn.orr@humboldtcountynv.gov	Asst. Economic Development Officer, Humboldt County
Alicia Heiser	(775) 623-6334	manager@winnemuccacity.org	City Manager, City of Winnemucca
Jennifer Trujillo	(775) 623-6416	jennifer.trujillo@humboldtcountynv.gov	Administrative Assistant for Public Works, Humboldt County
Daniel Ferraro	(775) 623-6416	daniel.ferraro@humboldtcountynv.gov	Public Works Director, Humboldt County
Ethan Mason	(775) 687-9311	e.mason@ndep.nv.gov	NDEP ISWPP Coordinator
Erin Smith	(775) 883-1600	erin@rci-nv.com	Technical Assistance, RCI
Alison Cramer	(530) 802-6834	alison@rci-nv.com	Technical Assistance, RCI
Jill Sutherland	(530) 802-6834	jill@rci-nv.com	Technical Assistance, RCI

Purpose & Overview

Annual meeting for the 2023 Community Source Water Protection Plan for Public Water Systems in Humboldt County (Plan).

Discussion

1. Welcome & Introductions

The group took a moment to welcome each other to the annual meeting, which implements the Action Plan (attached), action 2.1a: *"Hold the Annual Meeting each prior to budget submission to review and update the Community Source Water Protection Plan, including new public water systems and actions to implement."*

2. Source Water Updates

The group discussed source water updates, including:

- City W08 not online yet but will produce ~1,000 gpm.
- County updates:
    - No new operation sources.
    - Gold Country Well may be drilled within 1 year.
    - Gold Country and Star City Intertie for resiliency.
    - County acquired new water systems.
    - Grass Valley septic to sewer conversion waiting on County location approval.
        - Intend to revisit Grass Valley education and outreach through ISWPP.
    - EPA Brownfields Grant to remediate old Wastewater Treatment Plant location.
    - Updating County Emergency Operations Plan.
        - Intend to add CSWP Plan materials and data as needed.

3. Brief Overview of Potential Contaminant Sources

- County and City working with NDEP and Broadbent on PFAS sampling.
- AFFF not stored at the airport.

4. Review Action Items in the CSWP Plan

The group discussed Action Plan goals and achievements, including:

- Needs:
    - Education and Outreach:
        - Water quality education – general.
        - Grass Valley Nitrate septic to sewer conversion.
    - Operator Training:
        - Orovada and Golconda could utilize training.
        - Work with RCAC on Level 1 and Level 2 trainings.
    - City and County communication process.

Several additional edits to the Action Plan and comments are included as an attachment.

Additional discussions on 2/25/2026 included:

- Plans to integrate Pershing County and Tri-County hazard mitigation efforts were introduced to align regional source water protection strategies.
    - RCI will follow-up.
- Discussion on adding remote access improvements for SCADA systems at McDermitt, enabling operators to view and manage alarms remotely via phones.
    - Proposal to install security cameras at various water systems was raised to improve operator situational awareness and reduce unnecessary travel.

- Recommendation to align camera systems with county IT infrastructure to ensure network compatibility and maximize utility.
- RCI offered to share successful camera installation details from Golconda for potential replication.

- The team discussed the current status of GIS mapping after staff departure and the onboarding of new GIS staff.
  - RCI proposed a training session to transfer existing source water protection GIS data and viewer tools to David for ongoing management.
  - Plans include hosting the GIS viewer internally to restrict sensitive data, like well locations, to county staff only.
- RCI described the initiative to recategorize the contaminant source list using local zoning use types for easier application in planning and review.
  - Emergency Management emphasized the benefit of linking this list to Tier 2 hazardous materials reports for emergency management prioritization.
  - The plan includes providing an Excel version with sortable columns identifying Tier 2 facilities to streamline data access and decision-making.
  - Would support upcoming zoning ordinance cleanups and master plan updates, facilitating better land use decisions.
  - Could help planning staff quickly assess the potential source water risks of new developments using familiar zoning categories.
- The current source water protection areas remain valid, with updates to follow once new data is available.

Next Steps

Next Team Meeting: TBD

Resource Concepts, Inc.:

- Action Plan update.
- Review new water systems and coordinate with the Team on a formal CSWP Plan update.
- Coordination with GIS Analyst.
- Potential Contaminant Sources and Tier II data.
- Prepare draft crosswalk for review.
- Send wellhead security information from Golconda.

Appendix D

Potential Contaminant Source Summary
(Updated 2026)

Appendix D Contains Sensitive Information*

*See the Humboldt County Manager's Office,
the Humboldt Regional Planning Department of
the local public water system for review.

Appendix E

Action Plan

(Updated 2026)

Appendix E

Action Plan

[This page intentionally left blank.]

Appendix E

Action Plan

The Public Water Systems of Humboldt County, and the County, herein referred to as the community, have been working to implement source water protection measures since the initial adoption of this Community Source Water Protection (CSWP) Plan in 2016. The community's commitment to preserving safe drinking water resources is admirable, and Appendix E is intended to showcase the remarkable initiatives undertaken to achieve ongoing source water protection. Through collaborative efforts, the community has adopted source water protection into existing planning documents, improved GIS mapping technologies for public water systems, increased public education and outreach through numerous community events and collaboration with community partners, and is committed to conducting in-depth, ongoing research to find solutions for areas with compromised water quality. The community's dedication to safeguarding their source water is evident through their proactive efforts to identify and mitigate potential sources of contamination near their public drinking water supplies. The numerous accomplishments in source water protection since 2016 reflect the community's unwavering commitment to environmental stewardship and the well-being of its residents.

Appendix E includes the implementation of action projects for the public water systems in Humboldt County. The Action Plan includes an account of action project achievements from December 2016 – July 2026 and has been updated to incorporate new action projects created by the local planning team to reflect current water system operations and future source water protection goals throughout the County. The action projects are organized by Education and Outreach, Planning and Funding, and Physical Improvements. Implemented projects contain a detailed description of project application since 2016. The action projects listed in the following tables are not in order of priority. Instead, the items are grouped by management strategy, such as public education, coordination, or monitoring, etc.

The Action Plan was developed using the 2016 CSWP Plan, existing Wellhead Protection Plans, and the outcomes of the Team meetings throughout 2015 – 2016 (initial CSWP Plan development), 2023 (major CSWP Plan revision), and 2026 (minor CSWP Plan update). Where applicable, actions include supporting agencies, priorities, and projected completion timeframes. Implementation is dependent upon resource availability and action projects will be implemented as funding and time allows by the respective communities.

The local planning team has decided that regular updating of the CSWP Plan is valuable as much progress is consistently being made and new planning and decision making is important to include in source water protection planning. Therefore, an annual review and update will be incorporated into the CSWP Plan and Action Plan that encompass relevant community changes or needs and source water protection accomplishments.

Table of Contents

Table E-1. Education and Outreach Actions 5
Table E-2. Coordination and Collaboration 9
Table E-3. Resource Investigation 14
Table E-4. Planning and Funding Actions 16
Table E-5. Physical Improvements 21

Acronyms

BLM	Bureau of Land Management
BMPs	Best management practices
CSWP	Community Source Water Protection
GID	General Improvement District
GIS	Geographic Information System
ISWPP	Integrated Source Water Protection Program
MCL	Maximum Contaminant Level
NRWA	National Rural Water Association
NDEP	Nevada Division of Environmental Protection (State)
NOS	Nevada Outdoor School
RCAC	Rural Community Assistance Corporation
UNR	University of Nevada Reno
USDA	United States Department of Agriculture
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Services
WHPP	Wellhead Protection Plan

Table E-1. Education and Outreach Actions

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
1.1	**Increased knowledge for residents in Humboldt County.**					
1.1.a	Coordinate and conduct informational and educational meetings with individual communities and organizations (Rotary, Farm Bureau, UNR Extension, GIDs, town advisory boards, etc.) regarding source water protection topics. *The Water Quality Summit held at the Winnemucca Convention Center on March 9, 2016, provided the community with education on the CSWP Plan process, Drinking Water Sources, Nitrate in Groundwater, Septic System Care, and Water Well Care.*	✓	✓	Humboldt County, City of Winnemucca, & Regional Planning Dept. On-going actions	Expand on existing programs. Resource Assistance may be needed for flyers and meeting materials. Technical Assistance will be needed to assist with: • outreach information such as checklists, informational flyers, etc. • educational presentations and meetings • coordination with outside technical resources and local groups • Development of ArcGIS StoryMaps	High Priority Low Cost Immediate and continual Implementation 2023-2028
1.1.b	Continue to provide informational flyers at City, County, and public water system offices as well as other offices with large walk-in traffic such as the assessor, treasurer, UNR Extension, Library, hardware, feed and ranch stores. *Informational flyers/handouts are provided to residents and are made available at water system offices and local bulletin boards in the City of Winnemucca.*	✓	✓			
1.1.c	Promote information through the County's social media and website.					

Table E-1. Education and Outreach Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
1.1.d	Coordinate with existing organizations to continue providing source water protection education. Organizations include: • Nevada Outdoor School (NOS) • Boy Scouts of America • Girl Scouts of the USA • University of Nevada Reno Extension • Rural Community Assistance Corporation • National Water Resource Association • Nevada Division of Water Resources *The NOS has continued to provide source water protection education following the ISWPP purchase of a watershed and groundwater model for the organization. Future educational collaboration may include the National Rural Water Association and Rural Community Assistance Corporation (RCAC).*	✓	✓			
1.1.e	Encourage presentations by technical resources (Circuit Rider Program, Nevada Department of Transportation (NDOT), Nevada Division of Environmental Protection for local professional and local government groups). *These groups and organizations will continue to be invited and included in water-specific events as well as other community events that may hold a source water protection nexus.*	✓	✓			
1.1.f	Consider working with landowners and realtors to recommend that septic tanks be pumped when the property is sold.					
1.1.g	Include source water protection education in property sale documents, the application process for new development and re-development in the communities, and City and County (such as checklists, informational flyers, etc.). (Revised 2023). *Chapter 17.81 – Inter-basin and/or Out-of-County Water Transfer Projects includes source water protection as a consideration for approval by the County Board of Commissioners.*	✓	✓			

Table E-1. Education and Outreach Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
1.1.h	Expand information about methods and locations for recycling, as well as proper disposal of chemicals, prescription drugs, and hazardous materials from households. *Flyers were created for disposal of household hazardous materials in City of Winnemucca and Humboldt County.*	✓	✓			
1.1.i	Promote source water protection education as a topic for "safety meetings" at large facilities (Sierra Pacific Power Co., Mining Companies, other industries).					
1.1.j	Consider including consistent septic system care and maintenance messages in public water systems' annual water quality reports, and/or in water bills (Revised 2023).			Public Water Systems Annual action	New Program	Moderate Priority Low Cost 2023-2028
1.1.k	Add source water protection education for these topics on an informational web page to community, post on social media, City and County sites (Revised 2023). *A County website was created that discusses water quality and source water, which was linked to social media posts in 2024.*	✓	✓	Regional Planning Dept. One time action with updates as needed	New Program Technical Assistance may be needed collecting information.	Moderate Priority Low Cost Implementation 2023-2028
1.2	**Assist with education and training for public water system operation and management.**					
1.2.a	Coordinate and participate in training through the University of Nevada Reno Center for Economic Development regarding funding mechanisms for source water protection measures and utility operations.			Regional Planning Dept. One time action with updates as needed	New Program Resource assistance may be needed for professional service or training fees.	High Priority Low Cost Implementation in 2023-2028
1.2.b	Assist and/or facilitate training for small public water system board members and/or water operators regarding utility management. *All water operators are sent to annual training – all have completed a Level 1 certification; many are working toward Level 2 certification.*	✓	✓	RCAC, NRWA, Humboldt County, Regional Planning Dept. & Public Water Systems On-going action	Expand on existing programs Resource assistance may be needed for professional service or training fees. Technical Assistance needed to assist with identifying and obtaining funding.	Moderate Priority Low Cost Implementation 2023-2028

Table E-1. Education and Outreach Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
1.2.c	Assist with training regarding GIS mapping and resources as well as tracking facility management, operation, and maintenance.					
1.2.d	Assist with identifying and obtaining funding for digital mapping resources, tracking facility management, operation, maintenance, and capital projects.					
1.2.e	Coordinate with NRWA and RCAC regarding water operator training and resources for small public water systems. *NRWA update of source water protection measures for Golconda GID in 2020.*	✓	✓			
1.2.f	Develop and maintain "Resource Guides" for small public water systems including contact information for state, federal, and local agencies including both funding and technical assistance information.			Humboldt County & Public Water Systems One-time action with updates as needed	New Program Technical assistance needed for resource guide development.	Moderate Priority Low Cost Implementation 2023-2028

*Note: Implementation Years reflect the Community Source Water Protection Plan's 10-Year planning window. Most actions may begin immediately. Timeframes provided are in 2-year, 5-year, or 10-year implementation windows.

Table E-2. Coordination and Collaboration

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
2.1	**Develop and implement a City-County-Public Water System Communication process considering the Source Water Protection Areas and the Areas of Interest.**					
2.1.a	Hold an annual check-in meeting prior to budget submission to review and update the Community Source Water Protection Plan, including new public water systems, water sources, and actions to implement. *The Humboldt County Planning Team holds a regular "check-in meeting" to discuss relevant updates and new community needs regarding source water protection. Team members may change and new members may be included.*	✓	✓	Regional Planning Dept. On-going actions	New Program Technical assistance needed for assistance with the first annual meeting.	High Priority Low Cost Implementation 2023-2028
2.1.b	Designate a Source Water Protection Team that includes applicable County Departments. *A local source water protection Team meets regularly to participate in on-going planning. New Team members are invited as needed.*	✓	✓			
2.1.c	Coordinate mapping and other services that are difficult for public water systems and that the County may offer. *Humboldt County GIS Technician has mapped and manages assets for public works, including the City of Winnemucca, Golconda, Gold Country and Star City Water Systems, and the McDermitt Water and Sewer System. Future work includes improving data point accuracy.* *Provided GIS training and data transfer to new County staff and develop secure internal hosting of source water protection GIS tools and datasets.*	✓	✓	Humboldt County, City of Winnemucca, & other Public Water Systems On-going actions	New and Expanded Programs Resource assistance needed for mapping technology. Technical assistance needed for notification process, and mapping services.	Moderate Priority Low Cost Implementation 2023-2028

Table E-2. Coordination and Collaboration *(continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
2.1.d	Improve community mapping technology and water system maps (valves, mains, hydrant locations, etc.) in order to compare with potential contaminant source locations. *Humboldt county GIS Technician has mapped and manages assets for public works, including the City of Winnemucca, Golconda, Gold Country and Star City Water Systems, and the McDermitt Water and Sewer System.*	✓	✓			
2.1.e	Establish notification process for new development, re-development, and non-compliance issues in source water protection areas and areas of interest for public water systems. Allow public water systems opportunities to comment. Consider having all new developments, including industrial, review Source Water Protection Areas and Areas of Interest. (Revised 2026) *New development in the Winnemucca area will be required to connect to the City's water system.*	✓	✓	On-going action		

Table E-2. Coordination and Collaboration *(continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
2.2	**Develop and maintain a communication process between entities to plan for and respond to emergencies within Source Water Protection Areas and Areas of Interest.**					
2.2.a	Continue to coordinate with the State regarding Underground Storage Tanks and corrective actions. Expand notification process to include public water systems.	✓	✓	Humboldt County, City of Winnemucca, & Local Emergency Planning Committee On-going action	New Program Technical assistance needed for coordination with agencies.	Moderate Priority Low Cost Implementation 2023-2028
2.2.b	Coordinate with the Humboldt County Local Emergency Planning Committee regarding notifications and procedures for incidents of spill/release of petroleum and hazardous chemicals in source water protection areas and areas of interest. *The Humboldt County Emergency Response Plan is reviewed annually.*	✓	✓			
2.2.c	Coordinate with NDOT and Union Pacific Railroad regarding notifications and procedures for incidents of spill/release of petroleum and hazardous chemicals in source water protection areas and areas of interest. *Emergency Response and first responders coordinate directly with Union Pacific Railroad and NDOT. Special training is available for first responders for hazmat incidents. Public utility notification occurs along with first responders.*	✓	✓			
2.2.d	Consider adopting the CSWP Plan into the Humboldt County Emergency Operating Procedure to incorporate the protection of source water into emergency procedures. (Added 2023) *The Humboldt County Emergency Management Plan will be updated in 2026 and will include reference to the CSWP Plan.*	✓	✓			
2.2.e	Coordinate with Nevada Office of Emergency Management, Humboldt County Emergency Management, and public water systems to develop a process to determine if, when, and where an emergency response is required. (Added 2023)	✓	✓			

Table E-2. Coordination and Collaboration *(continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
2.2.f	Include emergency measures described in Section 3.5 – Contingency Plans into the Humboldt County Emergency Operating Plan. (Added 2023) *The County Emergency Operating Procedure considers contingency measures related to public water systems and public drinking water sources.*	✓	✓			
2.2.g	Consider consolidating Contingency Planning (Section 3.5) for public water systems owned by Humboldt County, in coordination with Emergency Management. (Added 2023)					
2.2.h	Integrate Tier II hazardous materials data with source water protection planning tools to support emergency response and risk prioritization. (Added 2026) *The NDEP list of Tier II facilities was added to the Potential Contaminant Source Inventory (Appendix D: Attachment B – Potential Contaminant Source List) and provided directly to Humboldt County Emergency Management.*	✓	✓	Local Emergency Planning Committee On-going action (as PCSs and Tier II information may change annually)		

Table E-2. Coordination and Collaboration *(continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
2.3	**Develop and maintain coordination and collaboration throughout Humboldt County for source water protection.**					
2.3.a	Seek opportunities and mechanisms to engage Federal, State, and County agencies, public water systems, local service agencies, and the residents in source water protection coordination.			Humboldt County, City of Winnemucca, & Regional Planning Dept. On-going action	New Program Technical assistance needed for coordination with agencies.	Moderate Priority Low Cost Implementation 2023-2028
2.3.b	Collaborate with the Bureau of Land Management (BLM), United States Forest Service (USFS), and United States Fish and Wildlife Services (USFWS) on management of activities in existing BLM, USFS, and USFWS "source water protection zones" and "priority watersheds – municipal supply," as well as in source water protection areas and areas of interest as identified in the Community Source Water Protection Plan. (Revised 2023) *Coordination is occurring between emergency management and these agencies, as needed and on an ongoing basis.*	✓	✓			
2.3.c	Establish a working group, including BLM, USFS, and USFWS representatives to address source water protection. (Revised 2023) *Occurring informally as part of the County-wide emergency response efforts.*	✓	✓			
2.3.d	Coordinate with neighboring counties to align regional source water protection and hazard mitigation planning efforts (e.g., update the Regional Tri-County Hazard Mitigation Plan to include source water protection). (Added 2026) *Humboldt County is part of a tri-county emergency management group, alongside Lander and Pershing Counties.*	✓	✓	Tri-County Emergency Management On-going action		

*Note: Implementation Years reflect the Community Source Water Protection Plan's 10-Year planning window. Most actions may begin immediately. Timeframes provided are in 2-year, 5-year, or 10-year implementation windows.

Table E-3. Resource Investigation

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
3.1	**Facilitate investigations to improve understanding and develop solutions for the Grass Valley area.**					
3.1.a	Coordinate with property owners, developers, public water systems, and State regarding groundwater quality issues in Grass Valley. *Humboldt County has implemented coordination with public water systems and the State and has acquired Star City Properties and Gold Country Estates water systems in Grass Valley and will continue to work on addressing and mitigating groundwater quality issues.*	✓	✓	Humboldt County, Regional Planning Dept., & local Public Water Systems On-going action	Expand Existing Program Resource assistance may be needed for surveying, sampling, monitoring wells, groundwater monitoring, etc. to support studies. Technical assistance needed for studies, plans, and property owner coordination.	High Priority Moderate Cost Implementation 2023-2028
3.1.b	Review and revise the groundwater monitoring plan in the Grass Valley Special Area of Interest to understand past results and identify adjustments to evaluate effects of changing water level elevations and extent of potential contamination.					
3.1.c	Coordinate a feasibility study for wastewater solutions in the Grass Valley area. *A preliminary engineering report for the Grass Valley Sewer was completed by DOWL Engineering in September 2022.*	✓	X	One-time action		
3.1.d	Develop additional studies to help identify and rank source water areas in the Grass Valley Area of Interest that are threatened by nitrate contamination.					
3.1.e	Help coordinate a focused study to investigate extent of "medial gravel" and role in water quality variation in Grass Valley Special Area of Interest and along the Humboldt River Segment (HUC 70).			Humboldt County, Regional Planning Dept., & local Public Water Systems One-time action	New Program Resource assistance may be needed for surveying or geotechnical testing to support studies. Technical assistance needed for studies, plans, and property owner coordination.	High Priority Moderate Cost Implementation 2023-2028
3.1.f	Encourage a 3-D study of nitrate data in source water protection areas and areas of interest, particularly near Grass Valley. *Preliminary Engineering Report - Gold Country Water Company Nitrate Mitigation Assessment, One Water Consulting, February 2022.*	✓	X			

Table E-3. Resource Investigation *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
3.1.g	Evaluate land availability for future wastewater solutions in Grass Valley area (private or public lands). *The Grass Valley Master Sewer Plan was completed by DOWL Engineering in June 2022.*	✓	✓			
3.2	**Help to facilitate investigations to improve understanding of groundwater water quality county-wide.**					
3.2.a	Map stormwater conveyance and outfalls in source water protection areas and areas of interest. *The City of Winnemucca has implemented this through internal GIS mapping.*	✓	X	Humboldt County Road Dept. & City of Winnemucca Public Works Dept. One-time action, updates may be needed.	New Program Resource assistance may be needed for surveying. Technical assistance needed for mapping	Moderate Priority Moderate Cost Implementation 2023-2028
3.2.b	Coordinate a study of aquifer vulnerability and susceptibility to nitrate and other contamination in hydrologic units containing source water protection areas and areas of interest			Humboldt County & Public Water Systems On-going action	New Program Technical assistance needed for studies	Moderate Priority Moderate Cost Implementation 2023-2028
3.2.c	Collaborate on water quality investigations and reports to better understand water quality issues. *Reports cited in 3.1.a, 3.1.c, 3.1.d, 3.1.g.*	✓	✓			
3.2.d	Coordinate with NDEP on availability of and eligibility for, funding to address emerging contaminants. (Added 2023) *Several public water systems in Humboldt County have participated in the NDEP PFAS sampling program; efforts to increase participation in the program should continue. Further, Factsheet 1 Emerging Contaminant County-wide review is completed for each CSWP Plan update.*	✓	✓			

*Note: Implementation Years reflect the Community Source Water Protection Plan's 10-Year planning window. Most actions may begin immediately. Timeframes provided are in 2-year, 5-year, or 10-year implementation windows.

Table E-4. Planning and Funding Actions

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
4.1	**Include source water protection measures in defensible locally adopted plans and policies (Regional Master Plan, Policy for Public Lands, etc.).**					
4.1.a	Encourage Community Source Water Protection Plan adoption by the GIDs and Communities. *On December 12, 2016, the City of Winnemucca and the Humboldt County adopted the Community Source Water Protection Plan via Joint Resolution No. 2016-01. On November 23, 2020, the 2016 CSWP plan was adopted as an amendment to the Humboldt County Regional Master Plan via Resolution No. 11-23-20. In September 2020, NRWA updated the Golconda GID WHPP, which has since been recognized by NDEP and incorporated into the 2023 CSWP Plan update.*	✓	X	Humboldt County, City of Winnemucca, & Regional Planning Dept. One-time action, updates may be needed	Expand Existing Programs Technical assistance needed for plan updates and coordination regarding development review.	High Priority Low Cost Immediate Implementation 2023-2028
4.1.b	Develop a process for considering source water protection during permitting of new development or redevelopment in source water protection areas and areas of interest. This might include: • Updating ordinances to include source water protection areas and areas of interest, • Coordination with public water systems, • Identifying compatible land uses, and/or consider special use permit requirements. • Implement a zoning-based potential contaminant source crosswalk and integrate it into development review and planning processes. *A summary was drafted in 2026 of Humboldt County's Zoning Code (Title 17) Use Types corresponding to NDEP-approved potential contaminant sources by class and specific source type. This is available to be used alongside community planning and development.*	✓	✓			

Table E-4. Planning and Funding Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
4.1.c	Incorporate this Community Source Water Protection Plan and maps into existing planning documents and land use maps: Regional Master Plan (2012) and other natural resource planning documents. *The Community Source Water Protection Plan was incorporated into the 2020 Humboldt County Water Plan. In 2020, both plans were adopted by reference into the Humboldt County Regional Master Plan.*	✓	✓	Humboldt County, City of Winnemucca, & Regional Planning Dept. One-time action, updates may be needed	Expand Existing Programs Technical assistance needed for plan updates; Master Plan language and mapping.	High Priority Moderate Cost Immediate implementation 2023-2028
4.1.d	Clarify "activities compatible" with the source water protection areas and areas of interest, and incorporate into the appropriate plan, policy, or code, etc.					
4.1.e	Develop a "Natural Resource" element of the Regional Master Plan. *The Natural Resources element has been added to the Master Plan update, which will be adopted in 2026. This should be updated routinely with general Master Plan updates.*	✓	X			
4.1.f	Develop ordinances related to new development and redevelopment in source water protection areas and areas of interest.			Humboldt County, City of Winnemucca, & Regional Planning Dept.	Expand Existing Programs	Moderate Priority Moderate Cost
4.1.g	Update components of the Humboldt County Policy for Public Lands to address source water quality, management of source water protection areas and areas of interest, and lands designated "suitable for disposal" in source water protection areas and areas of interest.			One-time action	Technical assistance may be needed; planning, public lands coordination, ordinance development and adoption	Implementation 2023-2028
4.2	**Invest in maintaining and restoring groundwater recharge capacity in Areas of Interest.**					
4.2.a	Actively coordinate with the BLM, USFS, and USFWS for watershed management and groundwater recharge. (Revised 2023).			Humboldt County, Regional Planning Dept.,	Expand Existing Programs	Moderate Priority Moderate Cost

Table E-4. Planning and Funding Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
4.2.b	Collaborate with BLM regarding wildland fire restoration objectives and methods in source water protection areas and areas of interest. *The Humboldt County Wildfire Protection Plan was completed in May 2023, which was a collaborative effort between many entities, including the BLM.*	✓	✓	Local Emergency Planning Committee Bureau of Land Management, USDA, Forest Service, & Nevada Division of Forestry On-going action	Technical assistance needed for coordination and policy development, restoration measures, Master Plan language, etc.	Implementation 2023-2028
4.2.c	Develop policy for keeping unburned lands in desired vegetative states to facilitate infiltration and reduce erosion, rehabilitate burned lands, and Standard Operating Procedures following wildland fire. *The Humboldt County Wildfire Protection Plan was completed in May 2023 and addresses hazardous fuels mitigation and community preparedness and emergency procedures.*	✓	✓			
4.2.d	Create a plan and policy for wildland fire restoration to maintain groundwater recharge capacity of watersheds after fires. *A local Emergency Management policy group meets semi-annually to discuss overall policy measures to increase resilience, recovery actions, etc. It's comprised of leadership from both City of Winnemucca and the County.*	✓	✓			
4.2.e	Develop watershed rehabilitation priorities and protocols for restoration after fire.					
4.2.f	Consider updates to Humboldt County Policy for Public Lands and/or Regional Master Plan regarding watersheds.					

Table E-4. Planning and Funding Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
4.3	**Promote innovative funding and planning for source water protection and wastewater solutions.**					
4.3.a	Continue to identify funding opportunities for sanitary sewer design, and operation in Grass Valley such as local fees/funds, matches, grant, and loans. *Humboldt County has been granted funding, and will continue to seek additional funding sources, for a septic to sewer conversion project in the Grass Valley area (4.3.b).*	✓	X	Humboldt County, Regional Planning Dept. & local Public Water Systems One-time action	New Program Technical assistance needed for funding identification	High Priority Low Cost Immediate implementation 2023-2028
4.3.b	Explore avenues and collaborate with partners (for example: UNR Center for Economic Development, USDA and U.S. Economic Administration) regarding mechanisms to develop funding resources needed for "septic management systems," source water protection program, stormwater management, and/or wastewater collection treatment facilities. *Source Water Protection stakeholders continue to coordinate with partners and pursue funding opportunities to support septic management, source water protection initiatives, stormwater management, and wastewater infrastructure projects.*	✓	✓	Humboldt County & Regional Planning Dept. On-going action	New Program Technical assistance needed for septic tank plan and research.	
4.3.c 4.3.d 4.3.e	Develop, implement, and maintain a plan for septic tank maintenance accountability and management in appropriate communities. Review existing county regulations on septic system management programs for small developments. Consider revisions and additions. Continue to evaluate constraints and opportunities for denitrifying septic systems.			Humboldt County & Regional Planning Dept. One-time action	New Program Technical assistance needed for septic tank plans and research.	High Priority Moderate Cost Immediate implementation 2023-2028
4.3.f	Update the engineering feasibility study for sanitary sewer options for costs building on efforts from past studies. *A preliminary engineering report for the Grass Valley Sewer was completed by DOWL Engineering in September 2022.*	✓	X	Humboldt County One-time action	New Program Technical assistance needed for feasibility study	Moderate Priority Moderate Cost Implemented 2022

Table E-4. Planning and Funding Actions *(Continued)*

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
4.3.g	Develop funding and resources to facilitate robust household hazardous materials collection and disposal options. *Pamphlets have been developed to make the public aware of resources in their communities. These will need to be updated as these resources and requirements change and redistributed and/or provided on County websites and other central locations.*	✓	✓	Humboldt County & City of Winnemucca. On-going and as needed	New Program Technical assistance needed for funding research and collecting information	Moderate Priority Moderate Cost Implementation 2023-2028
4.3.h	Pursue long range funding sources for stormwater or other non-point source management plans and source control projects.					

*Note: Implementation Years reflect the Community Source Water Protection Plan's 10-Year planning window. Most actions may begin immediately. Timeframes provided are in 2-year, 5-year, or 10-year implementation windows.

Table E-5. Physical Improvements

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
5.1	**Invest in infrastructure improvements for physical wellhead protection and security.**					
5.1.a	Assist public water systems with additional security and drainage improvements around wellheads. Identified needs include: • Improved security of vaults at well-site – Golconda. • Improve security with cameras and lights – Orovada, Golconda. • Installation of bollards or other traffic improvements at wellheads *Cameras and signage as security measures were purchased for Golconda public water system in 2025 through ISWPP technical assistance. Continued assistance may be needed for other systems across the County, as needed.*	✓	✓	Humboldt County & Public Water Systems One-time actions	Expand existing program Technical assistance needed for coordination with public water systems Resource assistance needed for physical improvements	Moderate Priority Moderate Cost Implementation 2023-2028
5.2	**Pollutant source controls to prevent contamination of source water.**					
5.2.a	Fund, design, install, and maintain wastewater solutions in Grass Valley. *Humboldt County has begun to implement with the Grass Valley Master Sewer Plan and the Grass Valley Sewer Preliminary Engineering Report (Farr West, 2022) and securing funding resources to begin the design. The wastewater solution in Grass Valley is an ongoing project.*	✓	✓	Humboldt County, Public Water Systems, and Grass Valley representatives On-going action	New Program Technical assistance needed for studies and design Resource assistance needed for construction	High Priority High Cost Implementation 2023-2028

Table E-5. Physical Improvements (Continued)

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
5.2.b	Identify and implement water quality BMPs to manage stormwater discharges with potential to contaminate surface or groundwater in source water protection areas and provide homeowners with guidance on applying BMPs at their households. (Revised 2026) *The City of Winnemucca implements BMPs to reduce stormwater-related impacts to water quality, including regular street sweeping to reduce sediment and pollutant loading, routine inspection and maintenance of storm drain infrastructure, requirements for retention and detention basins in new development, and the use of wattles at inlets and construction areas to control sediment.*	✓	✓	Public Water Systems On-going action	New Program Technical assistance needed for BMP selection Resource assistance needed for physical improvements	Moderate Priority Moderate Cost Implementation 2023-2028
5.2.c	Improve and install backflow prevention devices to protect source water. Seek technical and financial assistance to abandon unused or unneeded wells in source water protection areas following best management practices.					
5.2.d	Seek assistance with studies needed to develop new public water system wells when source water quality is compromised. *The City of Winnemucca completed a feasibility study on how to remediate arsenic levels in Well 6, which have since gone down to levels below the maximum containment level (MCL). Humboldt County funded The Gold Country Water Company Nitrate Mitigation Assessment Report, which included recommendations for a new well location due to compromised source water quality in a different well.*	✓	✓			

Table E-5. Physical Improvements (Continued)

	Action	Implemented	On-Going	Key Group(s) On-Going or One-Time Action?	Programs to Expand or to Develop & Type of Assistance Needed	Priority, Cost & Expected Implementation Year*
5.3	**Improve technology and communications systems of public water systems to promote efficiencies, reliability, and transfer of knowledge.**					
5.3.1	Seek assistance for improved communication technology for public water systems, examples: cell phone service, broadband service, and computer capabilities. *In 2026, improvements were made for McDermitt Water and Sewer System, including upgrades to alarm system (with remote access), residual chlorine monitoring, and wellhouse security (cameras).* *Security cameras and source water protection signage were purchased for Golconda GID wellhouse.*	✓	✓	County Planning Department On-going action	New Program Technical assistance needed for coordinate with fiber optic cable providers	Moderate Priority Low Cost Implementation 2023-2028
5.3.2	Improve capabilities for public water systems and local government to view and transmit and maintain electronic files, data, and mapping. *Humboldt county GIS Technician has mapped and manages assets for public works, including the City of Winnemucca, Golconda, Gold Country and Star City Water Systems, and the McDermitt Water and Sewer System*	✓	✓			

*Note: Implementation Years reflect the Community Source Water Protection Plan's 10-Year planning window. Most actions may begin immediately. Timeframes provided are in 2-year, 5-year, or 10-year implementation windows.