



# PARTNERSHIP EARLY IMPLEMENTATION WORK PLAN

Mid-Coast Water Planning Partnership

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December 2024

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## Table of Contents

The Mid-Coast Water Planning Partnership .....	1
Early Implementation Work Plan Components .....	1
Implementation Support Process .....	1
Water Action Plan Bundled Actions .....	5
Implementation Gaps Table .....	7
Potential Leads and Participants Table.....	15
Smartsheet Project Database and Management Tool .....	21
Bundle Work Plans.....	21
Early Implementation Work Plan Schedule .....	21
Estimated Schedule of Potential Partnership Activities .....	21
Updated Partnership Charter .....	23

## Attachments

Attachment A	Prioritization Process and Results
Attachment B	Smartsheet Workspace Documentation
Attachment C	Bundle Work Plans
Attachment D	Updated Partnership Charter

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## The Mid-Coast Water Planning Partnership

The Mid-Coast Water Planning Partnership (MCWPP or Partnership) is an inclusive community forum of regional partners working to ensure balanced water resources for the environment, the economy, and coastal communities. The Mid-Coast of Oregon is defined as the coastal region from Cascade Head to Cape Perpetua. The Partnership began as one of four pilot groups conducting place-based integrated water resources planning through a new program of the Oregon Water Resources Department (OWRD) in 2016. The Partnership's Water Action Plan was adopted in 2022. In 2023, the Partnership received an American Rescue Plan Act (ARPA) grant from OWRD to conduct a prioritization of actions outlined in the Water Action Plan, to begin early implementation by developing work plans, and to continue regional coordination around water issues. The effort was led by the Partnership Convener, Seal Rock Water District, and facilitated by GSI Water Solutions, Inc. (GSI).

The Partnership Early Implementation Work Plan has been developed to guide the Partnership's implementation of actions in the Water Action.

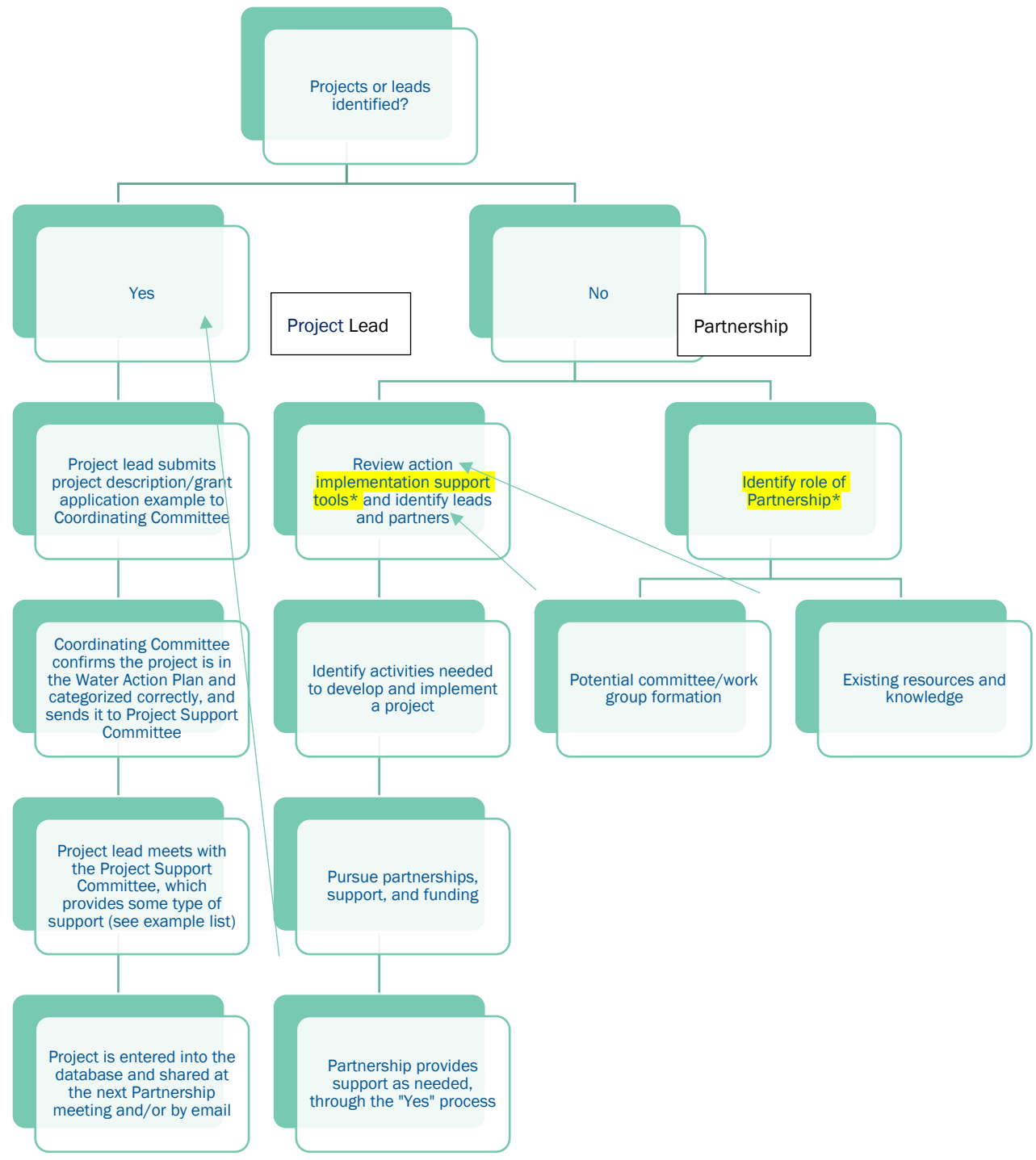
## Early Implementation Work Plan Components

The Early Implementation Work Plan is comprised of several documents, or tools, that can be utilized in the Partnership's efforts to support implementation of actions in the Water Action Plan. Together, these tools describe the process that the Partnership can use to support existing projects, catalyze development of new projects, track implementation, and continue to support regional collaboration.

### Implementation Support Process

The implementation support process, developed by the Early Implementation Work Group, describes a process for the Partnership to use to support projects that would implement specific actions in the Water Action Plan. The Implementation Support Process document includes a flowchart showing the pathway for supporting existing projects and for developing and supporting new projects, descriptions of how the process works depending on whether existing projects have been identified, and a list of potential types of support that the Partnership could provide. Where existing projects have not been identified, the support process would focus on launching and supporting projects that implement Priority Group A actions first.

## Partnership Support Flowchart



\*Prioritization of actions utilized in these stages (e.g., Partnership identifying which actions to assist with moving forward utilizing the prioritization, and implementation support tools developed following the prioritization order)

### Partnership Support Process

#### Projects and Leads Identified

The MidCoast Water Planning Partnership will strive to support projects that would help implement specific actions in the Water Action Plan. Many such projects have already been identified and are tracked using the Smartsheet online project database.

When a project lead wishes to seek support from the Partnership, the first step is to submit a project description to the Coordinating Committee. Project leads may use existing documents (e.g., a grant application) or create a short description of the proposed project that includes the proposed activities, timeline, a statement of which action in the Water Action Plan it would implement, and the requested type of Partnership support. The Coordinating Committee confirms that the project supports implementation of the Water Action Plan and refers it to the Project Support Committee. The Project Support Committee determines the type of support the Partnership can offer. Alternatively, the Coordinating Committee could refer the project to a relevant Bundle Work Group (see page 20 for more information), which could determine the type of support the Partnership can offer.

#### Projects and Leads Not Identified

The prioritization process sorted the actions in the Water Action Plan into three priority groups, and existing projects were documented in the Smartsheet database. Certain actions in Priority Group A (the highest priority) do not yet have associated projects. The Partnership will focus on launching projects to implement these high-priority actions first to help achieve the goals of the Water Action Plan. Using the implementation support tools, potential lead entities and partner entities will be identified. Next, these entities will identify activities that would be needed to initiate a project that would support the Priority Group A action and would begin pursuing necessary partnerships and funding. Once a potential project is identified, it would move through the Partnership support process described above.

In parallel with the identification of individual projects, the Partnership will identify its role as an overarching collective in helping to support the Priority Group A actions. (Priority Group B and C actions may also be supported as opportunities arise or are championed by specific entities; however, early implementation will focus on Priority Group A in the absence of other factors.) The Partnership may decide that committees or work groups should be formed to focus on specific actions (e.g., a Monitoring Committee to support actions related to water quality and quantity monitoring). Partnership members bring a valuable spectrum of existing resources and knowledge that can be used to help identify potential projects, provide technical assistance to refine project ideas, and identify likely funding sources.

### Example Types of Potential Partnership Support

- Ideas for funding sources
- Contact information for potential partners
- Letters of support
- Strategic or technical advice to strengthen projects
- Project sharing opportunities (e.g., Partnership emails, Work Group meetings, Partnership meetings)
- Action Implementation Work Plan Tools
  - Table identifying leads and participants for each action in the Water Action Plan
  - Bundled Action Work Plans (To be developed starting with Priority Group A)
    - Approach
    - Resources
    - Outcomes
  - Action Implementation Tracking Database (Smartsheet)
    - Database for tracking projects and project accomplishments, as well as how the Partnership is supporting projects
- Grant writing workshop
- Surveys
- Committee/Work Group formation



## Water Action Plan Bundled Actions

The Water Action Plan categorized actions into broad themes called Imperatives during the planning process. The Partnership then conducted a prioritization process and adopted the results by a consensus decision of the Partnership in May 2024. The Prioritization Process and Results document ([ATTACHMENT A](#)) describes this process, provides a list of individuals who participated in the process and their affiliations, and presents the results of the prioritization in a table. The outcome of the prioritization process is that the actions in the Water Action Plan are grouped into three priority categories (A, B, and C) to guide the Partnership in moving forward with implementation and directing resources to the highest-priority activities when facing resource constraints.

During the prioritization process, Work Group members identified synergies among certain actions across imperatives that could prove useful for implementation. For example, a project might simultaneously implement multiple actions within the same imperative or in another imperative. The Water Action Plan Bundled Actions document shows these potential synergies as “bundles” of related actions. This document can be used in several ways:

- Entities that are planning to implement a project under one action can use the document to see if the project already implements related actions or could be modified or expanded to implement additional actions.
- Entities can use the document in combination with the Leads and Participants document to identify potential partners that are implementing similar projects in the bundle.

# Water Action Plan Bundled Actions

Bundle	Imperative	Action #	Priority	Brief Description
1	1	1	A	Public awareness of water issues
	1	1a	A	Conservation outreach
	1	1b	A	Drought/curtailment messaging
	1	1f	A	School water outreach
2	2	4	A	MC Water Conservation Consortium
	1	1g	A	Water quality outreach
	1	1h	A	Water quality outreach
	1	1j	A	Source water outreach
	1	1i	B	Pesticide outreach
	1	1k	B	Best management practice outreach
3	2	5	A	Green infrastructure and low-impact development
	2	12	A	Drinking Water Protection Plans
	2	13	A	Drinking Water Protection Plans
	6	35	A	Identify/implement source protection
4	6	36	B	Source contamination prevention
	3	16	A	Stream gages
	3	17	A	Water quality monitoring
	3	18	A	Water quality monitoring
	3	19	A	Volunteer network for monitoring
5	6	41	A	Protect critical lands
	8	58	A	Protect critical lands
6	8	44	A	Ecological restoration
	8	46	A	Riparian restoration
	8	49	A	Beavers
	8	50	A	Ecological restoration
	8	51	A	Restore hyporheic flows
7	8	53	A	Water retention capacity
	8	54	A	Instream demand, ISWRs, flow restoration
	8	55	A	Instream transfers/leases
	8	52	B	Support water appropriation limits
8	3	14	B	Upgrade meters
	5	28	A	Upgrade meters
9	4	22	A	Water reuse
	4	23	B	Water reuse outreach
10	2	2	A	Regional water supply plan
	2	10	A	Emergency response plans
	5	31	A	Storage feasibility studies
	7	42	A	Identify new water sources

Bundle	Theme
1	Water conservation
2	Water quality
3	Source water protection
4	Monitoring
5	Protect critical lands
6	Ecological restoration
7	Instream flow restoration
8	Meters
9	Water reuse
10	Water supply planning/development

## Non-Bundled Actions in Priority Group A

Imperative	Action #	Brief Description
8	59	Spatial analysis to prioritize restoration projects

Note: related to Bundle 6, but focusing on studies rather than on-the-ground implementation projects.

## Implementation Gaps Table

The first step in understanding progress in implementing the Water Action Plan is to assess which actions have projects associated with them. The Water Action Plan identified potential lead entities and participating entities for each action. Many projects are already underway, but resource constraints and timing issues mean that not all actions are being implemented yet. An “implementation gap” exists when no current or proposed projects have been identified to implement an action. The Implementation Gaps Table shows each action, its Priority Group, and whether associated projects have been identified as of summer 2024. The “Projects?” column in the table shows “Y” for actions with associated projects, “N” for actions with no projects identified, and “M” (“maybe”) for actions where more information is needed or proposed projects may be related but not exactly aligned with the description of the action in the Water Action Plan. The table also includes information on which entities are known to be implementing the action and whether they were identified as a lead or participant in the Water Action Plan. This document can be used to identify potential project partners and to identify implementation gaps to address as the Partnership moves through the prioritized list of actions.



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# Implementation Gaps Table

Imperative	Action #	Bundle	Action Description	Short Action Description	Priority Group	Projects?	Entities Implementing Actions	Entities Identified As a Lead or Participant in the Action Plan?	Lead Entities Identified in Action Plan - Not Implementing Action	Lead and Participant Entities Identified in Action Plan - Unknown if Implementing Action
1	1a	1: Water conservation outreach	Promote water conservation at local events, on the Mid-Coast Water Planning Partnership website and the websites of regional partners and entities, in news articles, in water bills, via social media, and through outreach materials to businesses, particularly in the hospitality industry.	Conservation outreach	A	Y	Water providers/MCWCC	Yes		Lincoln County Board of Commissioners; OWRD, universities
1	1b	1: Water conservation outreach	Develop drought declaration and audience-specific (e.g., self-supplied industrial water users) water conservation and curtailment messages.	Drought/curtailment messaging	A	Y	Water providers/MCWCC	Yes		Lincoln County Board of Commissioners; OWRD, universities
1	1c	N/A	Coordinate watershed and water system tours to increase awareness and understanding of regional and local water issues.	Watershed/system tours	C	Y				
1	1d	N/A	Develop a regional initiative/training to improve coordination and provide education to water providers on infrastructure financing and funding.	Infrastructure finance training	C	N				
1	1e	N/A	Provide an internship program, hands-on training, and certification training for water technicians, which includes technician training on updating and implementing water management.	Water technician internship	C	N				
1	1f	1: Water conservation outreach	Identify or develop curriculum and materials/information for students and the public (community education) about their water sources, water management, and water conservation.	Conservation education (school curriculum/community education)	A	Y	Protect Oregon Watersheds (At Oregon Coast Community College), MCWCC, ODFW (STEP), OWRD, DEQ, Lincoln County	Yes - MCWCC and OWRD identified as leads. No - Protect Oregon Watersheds and STEP not identified in Plan at all, ODFW and DEQ not identified under this action.	Oregon Coast Aquarium	
1	1g	2: Water quality outreach	Conduct outreach to encourage implementation of voluntary, incentive-based actions throughout the region, consistent with existing plans, such as the Mid-Coast Agricultural Water Quality Management Area Plan.	Water quality outreach	A	Y	Lincoln SWCD, MCWCC, MCWC, OSU Extension, NRCS (USDA)	Yes	OWRD	
1	1h	2: Water quality outreach	Inform self-supplied and public water users and residents and businesses within public water supply areas about water supplies and water protection measures, including proper well construction and maintenance, septic system maintenance, and proper use of landscape and other chemicals.	Water quality outreach	A	Y	OSU Extension	Yes		
1	1i	2: Water quality outreach	Work with partners and agencies (e.g., Oregon State University Extension Service) to deliver information on safe pesticide application practices and vegetation management practices that reduce or eliminate pesticide use. Provide outreach on water quality impacts of pesticides and fertilizers associated with lawn management near streams and ponds. Share methods that reduce impacts and identify alternatives.	Pesticide outreach	B	N				
1	1j	2: Water quality outreach	Conduct education in source water areas (including to those that may not be customers of the water provider) about drinking water sources, risks, choices, and strategies.	Source water outreach	A	Y	Water providers/MCWCC	Yes	Oregon Coast Aquarium	
1	1k	N/A	Connect private landowners with resources and information about best management practices to improve water quality and quantity.	Best management practice outreach	B	Y				
2	2	10: Water supply planning/development	Support the creation of a feasible 50-year county-wide water supply plan. Incorporate regionally integrated plans that improve water system resiliency and adequately plan for future water supply development in the face of natural and human-caused disasters.	Regional water supply plan	A	Y	Water providers/MCWCC, CTSI, Lincoln County, LCWSA, EPA (participant), OSU, Water Watch	Yes - Lincoln County, LCWSA & water providers are leads. No - CTSI and OSU not identified under this action. Water Watch not identified in Plan at all.	OWRD may be a partner/technical assistance resource but not a lead	(Leads): OHA, Regional Solutions; (Participants): Rural Community Assistance Corporation
2	3	N/A	Support the development of organizational procedures for the Mid-Coast Water Conservation Consortium (MCWCC) and the Lincoln County Water Systems Alliance (LCWSA) that will facilitate the prioritization and funding of projects throughout the region.	Prioritize and fund projects	B	Y				
2	4	1: Water conservation outreach	Strengthen/support the Mid-Coast Water Conservation Consortium to enhance water conservation, increase resiliency during shortages and emergencies, and pool resources of multiple water providers. Support enhanced coordination with state and federal entities outside of the Mid-Coast.	MC Water Conservation Consortium	A	Y	MCWCC, LCWSA	Yes		
2	5	10: Water supply planning/development	Support and advocate for planning and development that minimizes impacts to floodplains and riparian areas, promoting Green Infrastructure (GI) methods and Low Impact Development (LID) practices.	GI and LID	A	M	DLCD (has a Green Infrastructure Grant Program, doesn't implement on-the-ground projects)		ODF, ODFW	(Leads): County planners, municipal planning departments; (Participants): USFS, DEQ
2	6	N/A	Develop and update water management and conservation plans for the Mid-Coast regional municipal and self-supplied direct water systems.	WMCPs	C	Y				
2	7	N/A	Coordinate water curtailment plans among water providers.	Coordinate curtailment plans	B	N				
2	8	N/A	Encourage municipalities to update/complete required stormwater management control plans to incorporate GI/LID practices, using statewide LID technical design guide, and update codes and ordinances that are barriers to implementing these practices. Assist smaller communities, that are not currently required, in voluntarily developing similar stormwater management plans and technical design guides.	Stormwater management plans	C	N				
2	9	N/A	Advocate for Emergency Response Plans (required for public water systems) address water system needs and specific vulnerabilities and are interconnected to create a regional network during emergency situations.	Emergency Response Plans	C	Y				
2	10	10: Water supply planning/development	Collaborate with emergency operations planners to identify highest priority water needs and develop alternative systems and plans. Identify opportunities and access for shared water available for addressing emergency interconnections.	Emergency Response Plans (Updates to Natural Hazard Mitigation Plan)	A	M	Lincoln County, water providers (need more information), DLCD (does natural hazard planning with local jurisdictions)			

# Implementation Gaps Table

Imperative	Action #	Bundle	Action Description	Short Action Description	Priority Group	Projects?	Entities Implementing Actions	Entities Identified As a Lead or Participant in the Action Plan?	Lead Entities Identified in Action Plan - Not Implementing Action	Lead and Participant Entities Identified in Action Plan - Unknown if Implementing Action
2	11	N/A	Support the development of tiered communication trees to address: a) typical support needs b) response to localized emergencies affecting one or multiple Public Water Systems; and c) Cascadia Subduction Zone quake, volcanic eruption, regional wildfire. Provide communication alternatives for inoperable phone/internet (HAM resources; meeting locations and days/times).	Communication trees	C	N				
2	12	3: Source water protection	Develop regionally integrated Drinking Water Protection Plans to ensure that strategies and implementation plans are in place to minimize threats to water supply sources throughout the Mid-Coast. Advocate for funding to support the development and plan implementation.	DWPPs	A	Y	Water providers, DEQ, OHA	Yes		Lincoln County
2	13	3: Source water protection	Create a Source Water Protection Plan, or multiple source-specific plans, to reduce, or minimize contaminants from entering source waters. Advocate for funding to support the development and implementation of these plans.	DWPPs	A	Y	Water providers, DEQ, OHA	Yes		Lincoln County
3	14	N/A	Implement more efficient advanced metering infrastructure to enable faster identification of leaks and shortages, and support best practices for water providers to meet industry standards for documenting water loss.	Upgrade meters	B	Y				
3	15	N/A	Recommend installation and use of flow meters to gain a more accurate estimate of water use in the region.	Flow meters on diversions	B	N				
3	16	4: Water quality monitoring	Fully fund, install, and monitor real-time stream gauging stations throughout region in priority locations and times of year when they are needed most to accurately assess source water and enable innovative demand-reduction actions during periods of critical ecological need.	Stream gages & streamflow monitoring	A	Y	Water providers	Yes	OWRD has funding but is not a lead	(Leads): USGS, OWEB, Lincoln County, watershed councils; (Participant): ODFW
3	17	4: Water quality monitoring	Develop and implement a coordinated long-term water quality monitoring program throughout the region (e.g., source water, streams, estuaries) to improve understanding of current conditions and event-caused conditions (i.e., storm, low-flow) for nutrients, bacteria, temperature, dissolved oxygen, pH, turbidity and other specific contaminants identified by DEQ, including those that contribute to harmful algal blooms (HABs). Collect water samples to identify pollutant sources (location, source, practices influencing input, transport and fate of pollutants). Advocate for additional sampling in headwaters (where herbicides and pesticides are applied) and at municipality intakes.	Water quality monitoring	A	Y	MCWC, Wild Salmon Center, Lincoln SWCD, CTSI, ODFW, OHA, ODA, Water providers/MCWCC, Lincoln County, DEQ, Oregon Coast Aquarium	Yes - all identified as leads. No - Wild Salmon Center, CTSI, & Oregon Coast Aquarium not leads under this action.	OWRD (not water quality), LCWSA	USFS
3	18	4: Water quality monitoring	Conduct comprehensive and ongoing water testing, and use results to guide best management practice implementation, restoration, etc. to address water quality impairments.	Water quality testing	A	Y	Lincoln SWCD, DEQ, OHA			USFS, Lincoln County
3	19	4: Water quality monitoring	Develop a coordinated network of people conducting stream flow monitoring and water quality monitoring to share resources and data. Explore cost-effective ways to incorporate volunteers in data collection to complement gauging network.	Volunteers for monitoring	A	M	Lincoln SWCD		OWRD (not water quality)	(Lead): Lincoln County; (Participants): MCWCC, SWCD, DEQ, ODFW, OWEB, USFS
3	20	N/A	Support the aggregation and update of current self-supplied water system databases, including system description, system status, and system needs. Determine what exists from current databases. Track wells going dry via self-reporting.	Self-supplied water database	C	N				
3	21	N/A	Develop a water monitoring database for data entry and access by multiple entities.	Water monitoring database	C	N				
4	22	9: Water reuse	Improve understanding of Oregon's existing water reuse regulations, and the opportunities and barriers (e.g., health issues) to using recycled and gray water for all allowed uses. Encourage development of comprehensive water reuse programs at appropriate scales.	Water reuse	A	Y	OWRD, DEQ, Lincoln County	Yes - OWRD, DEQ, Lincoln County all leads.		(Leads): OHA, water providers; (Participants): Homeowners & businesses, ODFW & other state agencies
4	23	N/A	Investigate and share information on methods of reusing treated sewage plant water and water at water treatment plants (e.g., backwash) and regional industries for potable, agricultural, and industrial uses.	Water reuse outreach	B	N				
4	24	N/A	a) Incentivize commercial and industrial facilities to conduct water audits, identifying water loss and implementing conservation, recycling, and re-use strategies and technologies. b) Evaluate and potentially revise water pricing strategies commensurate with actual delivery costs as well as other strategies to stimulate water conservation and re-use while raising revenue for water conservation investments (e.g., improved efficiency at commercial facilities).	Comm/industrial water audits Conservation rate study	B	N				
4	25	N/A	Work with the NRCS to develop a Conservation Implementation Strategy to provide incentives and technical support to agricultural irrigators interested in making improvements, such as increased efficiencies to minimize evaporation losses.	NRCS Conservation Impl Strategy	C	N				
4	26	N/A	Identify and develop voluntary incentives for water conservation.	Conservation incentives	B	Y				
4	27/43	N/A	Using the Water Management Economic Assessment Model, develop a suite of adaptation measures (e.g., storage investments, conservation rebate programs, and new pricing models) to address existing and predicted water shortages in the region.	Economic Assessment Model	C	Y	LCWSA			

# Implementation Gaps Table

Imperative	Action #	Bundle	Action Description	Short Action Description	Priority Group	Projects?	Entities Implementing Actions	Entities Identified As a Lead or Participant in the Action Plan?	Lead Entities Identified in Action Plan - Not Implementing Action	Lead and Participant Entities Identified in Action Plan - Unknown If Implementing Action
5	28	8:Meters	Support upgrading and maintaining water metering system infrastructure, where possible. Note: Automated read systems (not SMART) can be installed at reduced cost.	Upgrade meters	A	Y	Water providers/MCWCC	Yes		
5	29	N/A	Use the latest technologies (e.g., In system monitoring and controls, pumping efficiency, automating, and controlling potential zone isolations) available when retrofitting, or replacing, water infrastructure.	Latest technology in infrastructure	C	Y				
5	30	N/A	Address distribution system failures by installing earthquake valves in water tanks to retain water even if distribution system fails.	Earthquake valves	C	N				
5	31	10: Water supply planning/development	Evaluate alternatives for both natural and built (human-made) water storage with the planning area. For built systems, identify and perform feasibility studies needed to assess whether projects are viable using established and agreed-upon criteria (economic, environmental, regulatory, etc.).For natural storage "systems", identify feasibility studies needed to assess project viability using established and agreed-upon criteria. For those that appear viable, developed estimates of seasonal water storage and release.	Storage feasibility studies	A	M	Water providers	No - water providers not a lead under this action.	MCWC	Participants): USGS, state & federal agencies
5	32	N/A	Support the expansion of the state-supported revolving fund (including developing a new fund for self-suppliers) to accelerate water infrastructure improvements. Improve access to funding by enhancing coordination and collaboration with communities).	Support infrastructure funding	C	N				
5	33	N/A	Identify funding programs to support infrastructure enhancements that advance sustainable and secure water solutions for the region. Study how other cities and counties have funded their infrastructure improvements through time and manage water infrastructure assets.	Identify infrastructure funding	B	N				
5	34	N/A	Establish a community revolving loan program for infrastructure improvements for septic systems.	Septic systems	C	N				
6	35	3: Source water protection	Identify, fund, and implement high-priority regional source water protection activities.	Identify/implement source protection	A	M	NRCS (need more info), DLCD (has funding programs)	No - NRCS not a lead under this action.	DEQ may have funding, depending on the project	Water providers
6	36	N/A	Support the reduction of nutrient, turbidity, and bacteria inputs and emerging contaminants of concern (e.g., PFAS, PFOA, PFOS, pharmaceuticals, etc.) to source water from all sectors using the latest technology.	Source contamination prevention	B	N				
6	37	N/A	Enhance contamination prevention measures for reservoirs, surface water intakes, springs, and/or wellheads.	Source contamination prevention	C	N				
6	38	N/A	Assess and evaluate harmful algal bloom events that affect source water to identify potential contributing sources, and educate and support the reduction of nutrient inputs to source water from all sectors to prevent algal blooms (e.g., promote agricultural nutrient management plans, grants to reduce inputs, well water nitrate screening, well water and septic system education, low-input gardening).	Harmful algal blooms	B	N				
6	39	N/A	Advocate for integrated pest management (e.g., minimize aerial spraying in watersheds adjacent to source water; promote hand clearing in riparian zones (versus hand spraying); support notification of all water treatment facilities when and where spraying will occur), as well as notification of downstream water users who are not on municipal water systems and rely on source water for domestic use.	Pesticide reduction	B	Y				
6	40	3: Source water protection	Furthering a working lands concept, advocate for incentives, and other strategies, that promote silvicultural practices that support restoration of watershed ecological function and protect drinking water source areas.	Silvicultural practices that support source water area protection	A	Y	BLM, ODF			USFS
6	41	5: Protect critical lands	Protect critical lands within drinking water source areas through acquisition, conservation easements, or other tools that prevent degradation and/or impacts to source water quality.	Protect critical lands	A	Y	Water providers, McKenzie River Trust, Wetlands Conservancy	Yes - McKenzie River Trust a lead & water providers a participant under this action.	MCWC	(Leads): The Nature Conservancy
7	42	10: Water supply planning/development	Seek additional and alternative sources of water for development in the region.	Identify new water sources	A	Y	Water providers/MCWCC, CTSI, Lincoln County, LCWSA, OSU, Water Watch	Yes - Lincoln County & LCWSA leads, MCWCC a participant. No - CTSI and OSU not identified under this action. Water Watch not identified in Plan at all.	DLCD, OWRD (may provide technical assistance but not a lead)	
7	27/43	N/A	Using the Water Management Economic Assessment Model, develop a suite of adaptation measures (e.g., storage investments, conservation rebate programs, and new pricing models) to address existing and predicted water shortages in the region.	Economic Assessment Model	C	Y	LCWSA			



# Implementation Gaps Table

Imperative	Action #	Bundle	Action Description	Short Action Description	Priority Group	Projects?	Entities Implementing Actions	Entities Identified As a Lead or Participant in the Action Plan?	Lead Entities Identified in Action Plan - Not Implementing Action	Lead and Participant Entities Identified in Action Plan - Unknown if Implementing Action
8	44	6: Ecological restoration	Support restoration projects that involve diverse landowners and land management goals in locations that will achieve the greatest ecological returns on investment (e.g., cooler streams and improved summertime flows for sensitive species and to address water quality impairments).	Ecological restoration	A	Y	Lincoln SWCD, MCWC, DEQ, ODFW, BLM, CTSI, USFS, landowners, ODF, LCWSA, OHA, The Nature Conservancy, Wild Salmon Center, Water providers/MCWCC, USFWS	Yes - MCWC, USFS, BLM leads under this action. ODFW, DEQ, CTSI (Tribal nations), landowners are participants. Yes - ODF identified as a lead, but acts more in a participant role with a focus on rule compliance. No - LCWSA, OHA, The Nature Conservancy, Wild Salmon Center, Water providers not identified under this action. USFWS not identified in plan at all.		Participants): Salmon Safe, volunteers, Lincoln County Dept. Community Development, NOAA Fisheries, USGS, OWEB
8	45	N/A	Use established methods (e.g., field assessment, remote sensing, and physical models, such as Heat Source) and local knowledge to prioritize stream reaches for riparian buffer restoration projects. Increase wooded buffer zones on priority streams.	Riparian buffers	B	Y				
8	46	6: Ecological restoration	Advocate for the restoration and conservation of native riparian vegetation to facilitate large natural wood recruitment, maintain water quality, ensure ecological function, and produce habitat for aquatic species, including beavers.	Riparian restoration	A	Y	MCWC, ODFW, USFS, BLM, Lincoln SWCD, landowners, ODA, ODF, USFWS, The Nature Conservancy	Yes - MCWC listed as a lead, ODFW, USFS, Lincoln SWCD, landowners listed as participants. Yes - ODF and ODA identified as leads, but both act more in a participant role with a focus on rule compliance. No - The Nature Conservancy not listed under this action, USFWS not identified in Plan at all.		(Lead): DEQ; (Participants): USFS, Lincoln County, Tribal nations
8	47	N/A	Implement more erosion control practices.	Erosion control	B	N				
8	48	N/A	Evaluate anthropogenic sources of fine sediment from all land uses, including mass wasting and unsurfaced roads. Seek funding opportunities to reduce shallow landslide risk and other sediment delivery hazards (e.g., undersized culverts, outdated road maintenance, legacy roads) and perform road upgrades, repair, and decommissioning.	Erosion control	B	N				
8	49	6: Ecological restoration	Protect beaver populations and encourage beaver pond creation, especially in critical areas with low summer flows.	Beavers	A	Y	MCWC, ODFW, USFS, BLM, landowners, ODF, ODA, Lincoln SWCD, NOAA, Pacific States Marine Fisheries, USFWS, The Nature Conservancy	Yes - MCWC, ODFW, USFS, BLM are leads. ODA is a participant. Yes - ODF and ODA identified as participants, but both act more in a participant role with a focus on rule compliance. No - these are not listed under this action. USFWS and Pacific States Marine Fisheries are not in plan at all.		(Participant): Lincoln County
8	50	6: Ecological restoration	Design and implement restoration projects with partners to directly address impairments and improve conditions (e.g., erosion prevention and control, riparian and wetland buffers, urban tree protection).	Ecological restoration	A	Y	ODFW, MCWC, USFS, BLM, Lincoln SWCD, ODF, ODA, CTSI, landowners, The Nature Conservancy, Wild Salmon Center	Yes - MCWC, USFS, BLM, Lincoln SWCD listed as leads. Yes - ODF and ODA identified as participants, but both act more in a participant role with a focus on rule compliance. No - CTSI, landowners, The Nature Conservancy, Wild Salmon Center not listed under this action.		(Participants): DEQ, OSU Extension, OWEB, water providers
8	51	6: Ecological restoration	Evaluate the mechanisms and conditions for restoring hyporheic flows (the transport of surface water through sediments in flow paths that return to surface water) in the Mid-Coast using a suite of strategies (articulated in the Oregon Plan and other plans).	Restore hyporheic flows	A	Y	MCWC, ODFW, BLM, Wild Salmon Center	Yes - MCWC and BLM are leads, ODFW is a participant. No - Wild Salmon Center not listed under this action.		(Leads): USFS; (Participants): DEQ, USGS, Tribal nations
8	52	N/A	Recommend limits on further appropriation of water on high priority streams where water is not available for meeting aquatic life needs.	Water appropriation limits	B	Y				
8	53	6: Ecological restoration	Support projects that result in increased water retention capacity in channels, floodplains, and adjacent uplands and wetlands using a variety of strategies.	Water retention capacity	A	Y	MCWC, BLM, ODA (funding), DSL (participates on permitting side), Lincoln SWCD	Yes - both are leads		(Leads): USFS, local planners; (Participants): ODFW, DEQ, ODF, OWRD, USGS, Tribal nations
8	54	7: Instream flow restoration	Determine ecological flows (seasonally varying flow targets and temperature-based flow targets), and identify basin-wide in-stream demands. Support development of additional instream water rights. Implement flow restoration efforts in high priority areas as determined by Instream Water Right Monitoring and other means (e.g., ODFW's Aquatic Habitat Prioritization).	Instream demand, ISWRs, flow restoration, habitat prioritization	A	Y	ODFW, MCWC, Wild Salmon Center (applying for project funding)	Yes - ODFW a lead, MCWC a participant. No - Wild Salmon Center not listed under this action.	DSL, Salmon-Drift Creek Watershed Council (merged with MCWC)	(Leads): DEQ, OWRD, OPRD; (Participants): local planners
8	55	7: Instream flow restoration	Use established voluntary programs, or other tools, to convert existing water rights (e.g., irrigation, commercial use, other out-of-stream uses) to instream uses that protect critical flows needed to support fish and wildlife, water quality, recreation, and scenic attraction.	Instream transfers/leases	A	M	MCWC (is interested), Wild Salmon Center (doing policy work related to instream water rights) Action needs more support	Yes - ODFW & MCWC identified as participants. No - Wild Salmon Center not listed under this action.	DSL, ODFW (doesn't convert existing water rights to instream, only applies for instream water rights), OWRD (processes applications but is not a lead)	(Leads): DEQ, OPRD, water providers; (Participants): OWRD, OWEB
8	56	N/A	Identify priority invasive species in each watershed, and seek funding to support control and management of invasives in streams and along stream corridors while encouraging establishment of native vegetation.	Invasive species	B	Y				



# Implementation Gaps Table

Imperative	Action #	Bundle	Action Description	Short Action Description	Priority Group	Projects?	Entities Implementing Actions	Entities Identified As a Lead or Participant in the Action Plan?	Lead Entities Identified in Action Plan - Not Implementing Action	Lead and Participant Entities Identified in Action Plan - Unknown If Implementing Action
8	57	N/A	Advocate for implementation of the Lincoln County Multi-Jurisdictional Natural Hazard Mitigation Plan, especially as it relates to wildfire mitigation in the Mid-Coast.	Wildfire mitigation	C	N				
8	58	5: Protect critical lands	Acquire land, or obtain conservation easements, to protect critical land areas managed for water quality protection.	Protect critical lands	A	Y	Water providers, McKenzie River Trust, Wetlands Conservancy	Yes - McKenzie River Trust a lead & water providers a participant under this action.	BLM, MCWC	(Leads): Lincoln County, USFS, watershed councils, NGOs, NRSC, corporations; (Participants): landowners, OWEB
8	59	N/A	Support and advocate for the compilation of a hierarchy of necessary spatial analyses and modeling to determine which conservation strategies, and locations on the landscape, will result in the greatest environmental returns on investment (ROI) (e.g., ecological function) and achieve the highest priorities in existing species recovery plans (e.g., improving winter and summer rearing habitats). Advocate for implementation of strategies in federal Coho recovery plan and Oregon coast Coho Conservation Plan (OWEB FIP Framework).	Spatial analysis prioritize restoration	A	N	Organizations are interested in participating in action but not leading it: EPA, MCWC, OWRD, ODFW, Wild Salmon Center (applying for project funding)	Yes - MCWC a lead, ODFW & EPA listed as participants No - Wild Salmon Center not listed under this action		(Leads): OWEB, DEQ, USFS, Lincoln County; (Participants): USGS, Tribal Nations, NGOs, OWEB

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## Potential Leads and Participants Table

The Potential Leads and Participants Table provides information about the leads and participants identified in the Water Action Plan. This provides some similar information to the Implementation Gaps Table, but it is organized by entity instead of action. The table shows which actions the entity (or category of entities, such as water providers) is leading and participating in, along with information about gaps identified where none of the lead entities listed in the Water Action Plan currently intends to implement the action. The action numbers in the table are accompanied by the associated Priority Group labels. This document can be used to learn about which entities are working on which actions and to identify potential leads and partners for advancing priority actions.

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## Potential Leads and Participants Table

Stakeholder Group	Lead on Action #s (Prioritization - Action #)	Participant for Action #s	Other Potential Action #s	Actions Being Implemented by Stakeholder Group	Gaps Identified So Far (Priority A Only)
<b>General Categories of Stakeholders</b>					
All Water Users	C-6	A-1f; A-1g; A-2; B-3; C-21; B-26; A-54			
Water Rights Holders		A-1; A-55			
Landowners / Land Managers	A-16; B-45; B-47; B-48; A-58	B-1k; A-22; B-38; A-44; B-45; A-46; B-47; B-48; A-49; A-58		A-44; B-45; A-46; A-49; A-50	
Other Federal Agencies	A-40	C-21; A-31	See Action 4		
Other State Agencies		A-2; A-4; C-21; A-22; A-31; A-55			
Tribal Nations		A-44; B-45; A-46; A-51; A-53; A-59			
Municipalities	C-6; C-8; A-12; A-13; A-16; A-17; A-55; A-58	C-32; A-41; B-52	See actions for "Water Providers" and "Mid-Coast Water Conservation Consortium", including: A-1a; A-1b; C-1d; A-1f; A-1g; A-2; B-3; A-4; A-10; C-11; B-14; A-19; B-23; A-28; C-34; C-37; B-39; A-42; C-43; A-50	A-1; A-1a; A-1g; A-1j; A-2; B-3; A-4; A-12; A-13; A-16; A-17; C-29; A-31; A-42; A-44	
Water Providers (public/industrial/private)	A-1; A-1a; A-1b; C-1d; C-1e; A-1f; A-1h; A-1j; A-2; A-4; C-6; B-7; C-9; A-10; C-11; A-12; A-13; B-14; A-16; A-22; B-23; B-24; B-26; A-28; C-29; C-30; B-33; A-35; C-37; B-38; A-55; A-58	A-2; B-3; A-4; C-34; B-39; C-43; A-50; B-52	See actions for "Mid-Coast Water Conservation Consortium", including: A-1g; A-17; A-19; C-32; A-42	A-1; A-1a; C-1c; A-1g; A-1j; A-2; B-3; A-4; C-6; C-9; A-12; A-13; B-14; A-16; B-26; A-28; C-29; A-31; A-42	
Agricultural Irrigators / Agricultural Sector	A-17	C-25	See Action 38		
Businesses and Corporations		A-22; A-58	See actions for "Commercial and Industrial Water Users", including: A-1; B-3; B-24		
Commercial and Industrial Water Users	B-24	A-1; B-3; A-22			
Self-supplied Water Users	A-1g	B-3			
Private Forestry Sector	A-17; B-48		See actions for "Landowners / Land Managers", including: B-1k; A-16; A-44; B-45; A-46; B-47; A-49; A-58		
Tourism Industry		A-1			
Colleges and Universities		A-1a; A-1b	See actions for "Education (All Levels)": A-1; A-1f; A-1j		
Education (All Levels) (incl. Lincoln County School District [LCSD])	A-1; A-1f; A-1j	A-1f			
Fund Managers	C-1d				
Local Planners	A-53	A-54	See actions for "Lincoln County Department of Planning & Development" and "Municipal Planning Departments", including: C-1d; A-5; A-44		
Municipal Planning Departments	A-5		See actions for "Local Planners", including: A-53; A-54		
Non-governmental Organizations	A-58	A-55; A-59		B-39	
Pesticide Control Organizations/Individuals (incl. a potential Pesticide Stewardship Partnership)	B-39	B-1i			
Watershed Councils and Groups	A-16; B-47; A-50; A-58	A-46; B-47; B-48; B-56	See Actions for "MidCoast Watersheds Council" and "Salmon-Drift Creek Watershed Council", including: A-1; A-1g; A-17; A-19; A-31; A-41; A-44; B-45; A-49; A-51; B-52; A-53; A-54; A-55; A-59		
Septic Companies (Private)		C-20			

## Potential Leads and Participants Table

Stakeholder Group	Lead on Action #s (Prioritization - Action #)	Participant for Action #s	Other Potential Action #s	Actions Being Implemented by Stakeholder Group	Gaps Identified So Far (Priority A Only)
Well Drillers (Private)		C-20			
<b>Specific Entities Listed as Action Leads or Participants in the Water Action Plan</b>					
Business Oregon	C-32	C-1d			
Clean Water Services, Hillsboro (cleanwaterservices.org)		B-23			
Confederated Tribes of Siletz Indians (CTSI)		B-52	See actions for "Tribal Nations", including: A-44; B-45; A-46; A-51; A-53; A-59	A-2; B-3; A-4; A-17; A-42; A-44; A-50	
Craft3 - Community Crafted Funding	C-34				
Devil's Lake Water Improvement District		C-34	See actions for "Water Providers", including: A-1; A-1a; A-1b; C-1d; C-1e; A-1f; A-1h; A-1j; A-2; B-3; A-4; C-6; B-7; C-9; A-10; C-11; A-12; A-13; B-14; A-16; A-22; B-23; B-24; B-26; A-28; C-29; C-30; B-33; A-35; C-37; B-38; B-39; C-43; A-50; B-52; A-55; A-58		
Hatfield Marine Science Center	A-1; A-1f; A-1j				
Inter-agency Stream Team	C-21				
Lincoln County	A-1h; A-2; C-9; C-11; A-12; A-13; A-16; A-17; A-18; A-19; C-20; A-22; C-34; A-42; B-47; C-57; A-58; A-59	B-39; B-47; B-48; A-49	See actions for Lincoln County Board of Commissioners, Lincoln County Department of Planning & Development, and Lincoln County Department of Health, including: A-1a; A-1f; A-5; A-44	A-2; B-3; A-4; B-39; A-42; B-56	
Lincoln County Board of Commissioners	A-1a				
Lincoln County Department of Planning & Development	A-5	A-44	See actions for "Local Planners", including: A-53; A-44		
Lincoln County Department of Health	A-1f				
Lincoln County Soil & Water Conservation District (SWCD)	A-1; A-1g; B-1k; B-15; A-18; C-25; B-36; B-47; A-50; B-56; A-59	A-19; C-34; A-44; A-46; B-47; B-48	See actions for "Pesticide Control Organizations/Individuals", including: B-1i; B-39	A-1g; A-17; A-18; A-19; B-39; A-44; B-45; A-46; A-49; A-50; A-53; B-56	
Lincoln County Water Systems Alliance (LCWSA)	A-2; B-3; A-4; A-17; A-42			A-2; B-3; A-4; A-42; A-44	
McKenzie River Trust	A-41; A-58	C-25			
Mid-Coast Water Conservation Consortium (MCWCC)	A-1a; A-1b; C-1d; A-1f; A-1g; B-3; A-4; B-7; A-10; C-11; B-14; A-17; B-23; A-28; C-37	A-19; C-32; A-42	See actions for "Water Providers" and "Municipalities", including: A-1; C-1e; A-1h; A-1j; A-2; A-4; C-6; C-8; C-9; A-12; A-13; A-16; A-22; B-24; B-26; C-29; C-30; B-33; C-34; A-35; B-38; B-39; A-41; C-43; A-50; B-52; A-55; A-58	A-1a; A-1b; A-1g; A-1j; A-2; B-3; A-4; A-17; A-28; A-42; A-44	
Mid-Coast Water Planning Partnership (MCWPP)	A-1a; C-1c; A-40	C-27; A-35; A-41; C-43		A-2; B-3; A-4; A-42	
MidCoast Watersheds Council (MCWC)	A-1; A-1g; A-17; A-31; A-44; B-45; A-46; A-49; A-51; A-53; B-56; A-59	A-41; B-52; A-54; A-55	See actions for "Watershed Councils and Groups" and "Salmon-Drift Creek Watershed Council", including: A-16; B-47; B-48; A-50; A-58	A-1g; A-17; A-44; B-45; A-46; A-49; A-50; A-51; B-52; A-53; A-54; A-55	A-31

## Potential Leads and Participants Table

Stakeholder Group	Lead on Action #s (Prioritization - Action #)	Participant for Action #s	Other Potential Action #s	Actions Being Implemented by Stakeholder Group	Gaps Identified So Far (Priority A Only)
National Oceanic and Atmospheric Administration (NOAA) Fisheries		A-44		A-49	
Oregon Association of Water Utilities		C-1d			
Oregon Coast Aquarium	A-1; A-1f; A-1j			A-17	A-1f; A-1j
Oregon Coast Community College (OCCC)	C-1e; A-1f		See actions for "Colleges and Universities" and "Education (All Levels)", including: A-1; A-1a; A-1b; A-1j		
Oregon Dept. of Agriculture (ODA)	B-1i; A-17; B-36; C-25; B-45; A-46; B-47; B-56	B-39; B-47; A-49; A-50; A-53	See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31; A-55	A-17; B-39; A-46; A-50; A-53; B-56	
Oregon Dept. of Environmental Quality (DEQ)	A-1h; A-1j; C-9; A-12; A-13; A-17; A-18; A-22; B-36; B-45; A-46; B-52; A-54; A-55; A-59	A-5; A-19; B-23; B-26; C-34; A-35; B-39; C-43; A-44; B-48; A-50; A-51; A-53	See actions for "Other State Agencies", including: A-2; A-4; C-21; A-31	A-1f; A-12; A-13; A-17; A-18; A-22; A-39; A-44	A-35 (may have funding, but not otherwise involved)
Oregon Dept. of Fish and Wildlife (ODFW)	A-17; B-47; A-49; B-52; A-54	A-5; A-16; A-19; A-22; C-43; A-44; B-45; A-46; B-47; B-48; A-50; A-51; A-53; A-55; B-56; A-59	See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31	A-1f; A-1j; A-17; A-44; B-45; A-46; A-49; A-50; A-51; B-52; A-54	A-5; A-55
Oregon Dept. of Forestry (ODF)	B-1k; A-17; A-40; B-45; A-46; B-47; B-48; C-57	A-5; B-39; A-44; B-47; A-49; A-50; A-53; B-56	See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31; A-55	A-40; A-44; A-46; A-49; A-50	A-5
Oregon Dept. of Land and Conservation Development (DLDC)	A-5; A-42		See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31; A-55	A-5 (has a grant program but not implementing projects); A-10; A-35 (has funding programs)	A-42
Oregon Dept. of State Lands (DSL)	A-55	A-53; A-54	See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31	A-53	A-54; A-55
Oregon Dept. of Transportation (ODOT)	B-47	B-47	See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31; A-55		
Oregon Health Authority (OHA)	A-1h; B-1i; A-1j; A-2; C-9; A-12; A-13; A-17; A-18; A-22; B-26; B-36	B-23; B-39	See actions for "Other State Agencies", including: A-4; C-21; A-31; A-55	A-12; A-13; A-17; A-18; A-44	
Oregon Invasive Species Council		B-56			
Oregon Parks and Recreation Department	A-54; A-55		See actions for "Other State Agencies", including: A-2; A-4; C-21; A-22; A-31	B-56	
Oregon State University (OSU)	C-27; C-43	B-24		A-2; B-3; A-4; A-42	
Oregon State University (OSU) Extension Service	A-1; A-1g; A-1h; A-1j; B-1i; B-1k; C-34; B-36	B-39; A-50		A-1g; A-1h; B-39	
Oregon Water Resources Dept. (OWRD)	A-1; A-1f; A-1g; B-15; A-16; A-17; A-22; C-27; B-52; A-54; A-55; A-59	A-1a; A-1b; A-2; B-7; B-14; A-10; A-19; C-20; B-23; B-24; B-26; C-32; C-34; B-39; A-42; C-43; B-48; A-53; A-55	See actions for "Other State Agencies", including: A-4; C-21; A-31	A-1f; A-22	1g; A-16 (has funding but is not a lead); A-17 (not involved with water quality); A-19
Oregon Watershed Enhancement Board (OWEB)	A-16; A-59	A-19; A-44; A-50; A-55; A-58; A-59			
Regional Solutions (South Valley / Mid-Coast Region)	A-2				
Rural Community Assistance Corporation		C-1d; A-2			
Salmon Safe		A-44			

## Potential Leads and Participants Table

Stakeholder Group	Lead on Action #s (Prioritization - Action #)	Participant for Action #s	Other Potential Action #s	Actions Being Implemented by Stakeholder Group	Gaps Identified So Far (Priority A Only)
Salmon-Drift Creek Watershed Council	A-44; B-45; B-47; A-51; A-53; A-58	A-19; B-47; B-52; A-54	See actions for "Watershed Councils and Groups" and "MidCoast Watersheds Council", including: A-1; A-1g; A-16; A-17; A-31; A-41; A-46; B-48; A-49; A-50; A-55; B-56; A-59	Merged with MidCoast Watersheds Council	
Samaritan Health Education		A-1j			
Samaritan Hospital		C-1e			
The Nature Conservancy	A-41			A-44; B-45; A-46; A-49; A-50	
U.S. Bureau of Land Management (BLM)	A-40; A-44; B-48; A-49; A-50; A-51; A-53; A-58		See actions for "Other Federal Agencies" and "Landowners / Land Managers", including: A-16; C-21; A-22; A-31; B-38; B-45; A-46; B-47	A-40; A-44; B-45; A-46; A-49; A-50; A-51; A-53	A-58
U.S. Department of Agriculture (USDA) Natural Resources Conservation Service	B-1k; C-25; A-58	C-34	See actions for "Other Federal Agencies", including: C-21; A-31; A-40	A-1g	
U.S. Environmental Protection Agency (EPA)		A-2; B-26; A-59	See actions for "Other Federal Agencies", including: C-21; A-31; A-40	A-2	
U.S. Forest Service (USFS)	A-17; A-18; A-40; A-44; B-45; B-48; A-49; A-50; A-51; A-53; C-57; A-58; A-59	A-5; A-19; B-39; A-46; B;47	See actions for "Other Federal Agencies" and "Landowners / Land Managers", including: B-1k; A-16; C-21; A-22; A-31; B-38	A-44; B-45; A-46; A-49; A-50; B-56	
U.S. Geological Survey (USGS)	A-16	A-31; A-44; A-51; A-53; A-59	See actions for "Other Federal Agencies", including: C-21; A-40		
Water Reuse (waterreuse.org)		B-23			
Wetlands Conservancy	A-41			A-41; A-58	
Wild Salmon Center		B-52		A-17; A-44; A-50; A-51; B-52; A-54; A-55	
<b>Projects Being Implemented Whose Leads or Participants are NOT Identified in the Water Action Plan</b>					
Lincoln County Parks (Siletz Source Water Monitoring Project)				A-17	
Water Watch of Oregon (50-Year Water Supply Plan)				A-2; B-3; A-4; A-42	
U.S. Fish and Wildlife Services (USFWS)				A-44; B-45; A-46; A-49; A-50	
Pacific States Marine Fisheries Commission				A-49	



## Smartsheet Project Database and Management Tool

To track and manage implementation of the Water Action Plan, information about projects has been compiled in a Smartsheet online project database. The Smartsheet system facilitates tracking of project information, such as implementing entities, project descriptions, associated actions in the Water Action Plan, funding information, and timelines. The Smartsheet workspace is made available to MCWPP members for editing and adding new projects upon request, and project information can also be submitted via a form. The Smartsheet database can be used in several ways:

- Tracking implementation of actions by project
- Coordinating and forging additional partnerships with entities working on similar projects or in the same area
- Viewing a dashboard showing metrics, such as project funding sources and active project participants
- Reporting on implementation of the Water Action Plan

Additional information about the use of the Smartsheet tool is included in [ATTACHMENT B](#), MCWPP Smartsheet Workspace Documentation.

## Bundle Work Plans

Using the Water Action Plan Bundled Actions document, Work Groups were convened to focus on developing more specific work plans for the related actions in individual bundles. Each Bundle Work Plan sketches out potential next steps for making progress in implementing the included actions. The work plans outline the activities needed to support existing projects, activities to address Priority Group A actions that are not yet being implemented or have few associated projects, and a description of any committees recommended or other infrastructure needed to support implementation. Bundle work plans are included in [ATTACHMENT C](#).

## Early Implementation Work Plan Schedule

To help maintain momentum of the Partnership’s efforts to support implementation of actions in the Water Action Plan, the following schedule has identified activities for the Partnership in 2025. The outcome of activities in 2025, such as applying for Partnership capacity funding, will help guide activities in subsequent years.

### Estimated Schedule of Potential Partnership Activities

Month	Potential Activities
January	<ul style="list-style-type: none"> <li>• Funding Committee meeting               <ul style="list-style-type: none"> <li>○ Develop grant application</li> </ul> </li> </ul>
February	<ul style="list-style-type: none"> <li>• Funding Committee meeting               <ul style="list-style-type: none"> <li>○ Develop grant application</li> </ul> </li> </ul>

Month	Potential Activities
	<ul style="list-style-type: none"> <li>● Project Support Committee meeting               <ul style="list-style-type: none"> <li>○ Develop an approach for supporting one or more priority actions that do not have any projects and/or leads</li> <li>○ Identify ways that the Partnership can support any project forwarded from the Coordinating Committee for Partnership support</li> </ul> </li> </ul>
March	<ul style="list-style-type: none"> <li>● Coordinating Committee meeting</li> <li>● Funding Committee meeting               <ul style="list-style-type: none"> <li>○ Develop grant application</li> </ul> </li> </ul>
April	<ul style="list-style-type: none"> <li>● Funding Committee meeting               <ul style="list-style-type: none"> <li>○ Develop grant application</li> </ul> </li> </ul>
May	<ul style="list-style-type: none"> <li>● Coordinating Committee meeting</li> <li>● Funding Committee meeting               <ul style="list-style-type: none"> <li>○ Submit an OWEB Partnership Capacity grant application</li> </ul> </li> <li>● Project Support Committee meeting               <ul style="list-style-type: none"> <li>○ Discuss the progress of efforts to support one or more priority actions that do not have any projects and/or leads</li> <li>○ Identify ways that the Partnership can support any project forwarded from the Coordinating Committee for Partnership support</li> </ul> </li> </ul>
June	<ul style="list-style-type: none"> <li>● Funding Committee meeting</li> <li>● Partnership meeting               <ul style="list-style-type: none"> <li>○ Discuss funding pursuits and needs</li> <li>○ Discuss priority actions that need leads and/or other assistance from the Partnership to advance</li> <li>○ Share efforts to implement actions in the Water Action Plan</li> </ul> </li> </ul>
July	<ul style="list-style-type: none"> <li>● Funding Committee meeting</li> </ul>
August	<ul style="list-style-type: none"> <li>● Coordinating Committee meeting</li> <li>● Funding Committee meeting</li> <li>● Project Support Committee meeting               <ul style="list-style-type: none"> <li>○ Discuss the progress of efforts to support one or more priority actions that do not have any projects and/or leads</li> <li>○ Identify ways that the Partnership can support any project forwarded from the Coordinating Committee for Partnership support</li> </ul> </li> </ul>
September	<ul style="list-style-type: none"> <li>● Funding Committee meeting</li> </ul>
October	<ul style="list-style-type: none"> <li>● Funding Committee meeting</li> </ul>
November	<ul style="list-style-type: none"> <li>● Coordinating Committee meeting</li> </ul>

Month	Potential Activities
	<ul style="list-style-type: none"> <li>• Funding Committee meeting</li> <li>• Project Support Committee meeting               <ul style="list-style-type: none"> <li>○ Discuss the progress of efforts to support one or more priority actions that do not have any projects and/or leads</li> <li>○ Identify ways that the Partnership can support any project forwarded from the Coordinating Committee for Partnership support</li> </ul> </li> </ul>
December	<ul style="list-style-type: none"> <li>• Funding Committee meeting</li> <li>• Partnership meeting               <ul style="list-style-type: none"> <li>○ Discuss funding pursuits and needs</li> <li>○ Discuss priority actions that need leads and/or other assistance from the Partnership to advance</li> <li>○ Share efforts to implement actions in the Water Action Plan</li> </ul> </li> </ul>

## Updated Partnership Charter

The Partnership operates under a Charter that defines the group’s purpose and goals and describes how the members have agreed to work together. The Charter was last revised in May 2018. The Partnership’s Coordinating Committee is tasked with periodically reviewing the Charter and proposing modifications for the benefit of the Partnership and its mission. The Coordinating Committee, facilitated by GSI, identified portions of the Charter that could benefit from revisions, such as describing implementation support following approval of the Water Action Plan. In October 2024, the Partnership approved updates to the Charter through a consensus decision. The updated Partnership Charter, included in [ATTACHMENT D](#), provides guidance on how the Partnership can work together in the coming years to support implementation of actions in the Water Action Plan.





# Attachment A

# PRIORITIZATION PROCESS AND RESULTS

Mid-Coast Water Planning Partnership

Funding for the Prioritization Project and Early Implementation Work Plan was provided by the Oregon Water Resources Department through an American Rescue Plan Act (ARPA) grant.



August 2024



## Prioritization Process and Results

The Mid-Coast Water Planning Partnership's (Partnership) Water Action Plan was adopted by consensus of the Partnership on May 11, 2022 and was formally recognized by the Oregon Water Resources Commission on June 16, 2022. The Water Action Plan includes a list of 59 actions (some with sub-items) organized into eight Imperatives, or broad categories of related actions. No further prioritization occurred during the planning process. All 59 of the actions are considered necessary to achieving the Partnership's goals of supporting integrated water resources planning that benefits the region's ecosystems, economies, and communities; however, recognizing resource constraints, the Partnership undertook a prioritization process in 2023-2024 to help guide implementation.

### Prioritization Process

A Prioritization Work Group was convened and developed a decision-support system (i.e., scoresheet method) during spring and early summer 2023. The Work Group then met approximately monthly from August 2023 through January 2024 to score actions using the decision-support system. The decision-support system used high (3), medium (2), and low (1) scoring criteria for water quality, water quantity, stakeholder understanding, and implementation readiness. Additional scoring criteria included instream and out-of-stream benefits, regionwide benefits, and consistency with State and regional plans using yes (1) or no (zero) scoring.

The Prioritization Work Group calculated the scores for each action and then used the scores to categorize actions under one of the following Priority Groups: A (highest priority), B (middle priority), and C (lowest priority). Scores were only compared within imperatives, not across imperatives. Imperatives 5 (Resilient Water Infrastructure) and 7 (Planning for Water Supply Development Needs) were combined for Priority Groups due to their similarities. The Prioritization Work Group reviewed the Priority Group of each action based on initial scores and moved a few actions into different Priority Groups.

Exhibit 1 presents a list of individuals who participated in Work Group meetings and their affiliations.

**Exhibit 1. Participants in the Prioritization Work Group meetings and their affiliations.**

Name	Affiliation
Caylin Barter	Wild Salmon Center
Mike Broili	MidCoast Watersheds Council
Christine Clapp	Oregon Department of Fish and Wildlife
Tyler Clouse	Lincoln Soil and Water Conservation District
Adam Denlinger	Seal Rock Water District; <b>Partnership Convener</b>
Paul Engelmeyer	MidCoast Watersheds Council, Audubon Society
Alan Fujishin	Gibson Farms
Evan Hayduk	MidCoast Watersheds Council
Phebe Howe	Oregon Health Authority
Tatyana Isupov	Oregon Department of Environmental Quality
Olivia Jasper	Oregon Department of Agriculture
Kacey Largent	US Forest Service
Bill Montgomery	MidCoast Watersheds Council
Alyssa Mucken	Oregon Water Resources Department
Steve Parrett	Oregon Department of Environmental Quality
Clare Paul	City of Newport
Henry Pitts	Oregon State University student
Fran Recht	Pacific States Marine Fisheries Commission
Mark River	Weyerhaeuser Hydrologist
David Rupp	Oregon State University
Alexandria Scott	Lincoln County resident
Billie Jo Smith	Lincoln County Water Systems Alliance
Janna Stevens	Oregon Department of Fish and Wildlife
Steve Stewart	City of Newport
Andrea Sumerau	Confederated Tribes of Siletz Indians
Matt Thomas	Oregon Department of Forestry
Margaret Treadwell	McKenzie River Trust
Kimberly Wollenburg	City of Depoe Bay
Bradley Wynn	Seal Rock Water District



## Results of the Prioritization

The Work Group’s proposed prioritization was presented at a meeting of the full Partnership on May 29, 2024. After a group discussion and minor revisions, the Partnership adopted the prioritized list of actions as shown in the attached Prioritization Groups Summary table. The prioritization will be used to guide how Partnership resources (e.g., time and money) are allocated to support action implementation efforts. For example, if there are five actions that are not currently being implemented, the Partnership would begin supporting early implementation steps of Priority Group A actions out of that group of five actions.



## MCWPP Water Action Plan Prioritization Groups Summary

Imperative	Action #	Action Description	Total Score	Priority Group
1	1	Develop and implement a public awareness and engagement campaign aimed at supporting the imperatives and actions in the Mid-Coast Water Action Plan, including raising awareness and understanding of regional water issues.	14	A
1	1b	Develop drought declaration and audience-specific (e.g., self-supplied industrial water users) water conservation and curtailment messages.	14	A
1	1g	Conduct outreach to encourage implementation of voluntary, incentive-based actions throughout the region, consistent with existing plans, such as the Mid-Coast Agricultural Water Quality Management Area Plan.	14	A
1	1a	Promote water conservation at local events, on the Mid-Coast Water Planning Partnership website and the websites of regional partners and entities, in news articles, in water bills, via social media, and through outreach materials to businesses, particularly in the hospitality industry.	13	A
1	1f	Identify or develop curriculum and materials/information for students and the public (community education) about their water sources, water management, and water conservation.	13	A
1	1h	Inform self-supplied and public water users and residents and businesses within public water supply areas about water supplies and water protection measures, including proper well construction and maintenance, septic system maintenance, and proper use of landscape and other chemicals.	13	A
1	1j	Conduct education in source water areas (including to those that may not be customers of the water provider) about drinking water sources, risks, choices, and strategies.	13	A
1	1i	Work with partners and agencies (e.g., Oregon State University Extension Service) to deliver information on safe pesticide application practices and vegetation management practices that reduce or eliminate pesticide use. Provide outreach on water quality impacts of pesticides and fertilizers associated with lawn management near streams and ponds. Share methods that reduce impacts and identify alternatives.	12	B
1	1k	Connect private landowners with resources and information about best management practices to improve water quality and quantity.	12	B
1	1c	Coordinate watershed and water system tours to increase awareness and understanding of regional and local water issues.	11	C

Imperative	Action #	Action Description	Total Score	Priority Group
1	1d	Develop a regional initiative/training to improve coordination and provide education to water providers on infrastructure financing and funding.	10	C
1	1e	Provide an internship program, hands-on training, and certification training for water technicians, which includes technician training on updating and implementing water management.	10	C
2	2	Support the creation of a feasible 50-year county-wide water supply plan. Incorporate regionally integrated plans that improve water system resiliency and adequately plan for future water supply development in the face of natural and human-caused disasters.	15	A
2	4	Strengthen/support the Mid-Coast Water Conservation Consortium to enhance water conservation, increase resiliency during shortages and emergencies, and pool resources of multiple water providers. Support enhanced coordination with state and federal entities outside of the Mid-Coast.	14	A
2	5	Support and advocate for planning and development that minimizes impacts to floodplains and riparian areas, promoting Green Infrastructure (GI) methods and Low Impact Development (LID) practices.	14	A
2	10	Collaborate with emergency operations planners to identify highest priority water needs and develop alternative systems and plans. Identify opportunities and access for shared water available for addressing emergency interconnections.	13	A
2	12	Develop regionally integrated Drinking Water Protection Plans to ensure that strategies and implementation plans are in place to minimize threats to water supply sources throughout the Mid-Coast. Advocate for funding to support the development and plan implementation.	13	A
2	13	Create a Source Water Protection Plan, or multiple source-specific plans, to reduce, or minimize contaminants from entering source waters. Advocate for funding to support the development and implementation of these plans.	13	A
2	3	Support the development of organizational procedures for the Mid-Coast Water Conservation Consortium (MCWCC) and the Lincoln County Water Systems Alliance (LCWSA) that will facilitate the prioritization and funding of projects throughout the region.	13	B
2	7	Coordinate water curtailment plans among water providers.	13	B
2	6	Develop and update water management and conservation plans for the Mid-Coast regional municipal and self-supplied direct water systems.	12	C

Imperative	Action #	Action Description	Total Score	Priority Group
2	8	Encourage municipalities to update/complete required stormwater management control plans to incorporate GI/LID practices, using statewide LID technical design guide, and update codes and ordinances that are barriers to implementing these practices. Assist smaller communities, that are not currently required, in voluntarily developing similar stormwater management plans and technical design guides.	12	C
2	9	Advocate for Emergency Response Plans (required for public water systems) address water system needs and specific vulnerabilities and are interconnected to create a regional network during emergency situations.	12	C
2	11	Support the development of tiered communication trees to address: a) typical support needs b) response to localized emergencies affecting one or multiple Public Water Systems; and c) Cascadia Subduction Zone quake, volcanic eruption, regional wildfire. Provide communication alternatives for inoperable phone/internet (HAM resources; meeting locations and days/times).	11	C
3	16	Fully fund, install, and monitor real-time stream gauging stations throughout region in priority locations and times of year when they are needed most to accurately assess source water and enable innovative demand-reduction actions during periods of critical ecological need.	14	A
3	19	Develop a coordinated network of people conducting stream flow monitoring and water quality monitoring to share resources and data. Explore cost-effective ways to incorporate volunteers in data collection to complement gauging network.	14	A
3	17	Develop and implement a coordinated long-term water quality monitoring program throughout the region (e.g., source water, streams, estuaries) to improve understanding of current conditions and event-caused conditions (i.e., storm, low-flow) for nutrients, bacteria, temperature, dissolved oxygen, pH, turbidity and other specific contaminants identified by DEQ, including those that contribute to harmful algal blooms (HAB)s. Collect water samples to identify pollutant sources (location, source, practices influencing input, transport and fate of pollutants). Advocate for additional sampling in headwaters (where herbicides and pesticides are applied) and at municipality intakes.	13	A
3	18	Conduct comprehensive and ongoing water testing, and use results to guide best management practice implementation, restoration, etc. to address water quality impairments.	13	A
3	14	Implement more efficient advanced metering infrastructure to enable faster identification of leaks and shortages, and support best practices for water providers to meet industry standards for documenting water loss.	12	B

Imperative	Action #	Action Description	Total Score	Priority Group
3	15	Recommend installation and use of flow meters to gain a more accurate estimate of water use in the region.	12	B
3	21	Develop a water monitoring database for data entry and access by multiple entities.	11	C
3	20	Support the aggregation and update of current self-supplied water system databases, including system description, system status, and system needs. Determine what exists from current databases. Track wells going dry via self-reporting.	10	C
4	22	Improve understanding of Oregon’s existing water reuse regulations, and the opportunities and barriers (e.g., health issues) to using recycled and gray water for all allowed uses. Encourage development of comprehensive water reuse programs at appropriate scales.	14	A
4	24	a) Incentivize commercial and industrial facilities to conduct water audits, identifying water loss and implementing conservation, recycling, and re-use strategies and technologies. b) Evaluate and potentially revise water pricing strategies commensurate with actual delivery costs as well as other strategies to stimulate water conservation and re-use while raising revenue for water conservation investments (e.g., improved efficiency at commercial facilities).	13	B
4	26	Identify and develop voluntary incentives for water conservation.	13	B
4	23	Investigate and share information on methods of reusing treated sewage plant water and water at water treatment plants (e.g., backwash) and regional industries for potable, agricultural, and industrial uses.	12	B
4	25	Work with the NRCS to develop a Conservation Implementation Strategy to provide incentives and technical support to agricultural irrigators interested in making improvements, such as increased efficiencies to minimize evaporation losses.	10	C
4	27/43	Using the Water Management Economic Assessment Model, develop a suite of adaptation measures (e.g., storage investments, conservation rebate programs, and new pricing models) to address existing and predicted water shortages in the region.	9	C
7	27/43	Using the Water Management Economic Assessment Model, develop a suite of adaptation measures (e.g., storage investments, conservation rebate programs, and new pricing models) to address existing and predicted water shortages in the region.	9	C

Imperative	Action #	Action Description	Total Score	Priority Group
5	31	Evaluate alternatives for both natural and built (human-made) water storage with the planning area. For built systems, identify and perform feasibility studies needed to assess whether projects are viable using established and agreed-upon criteria (economic, environmental, regulatory, etc.). For natural storage “systems”, identify feasibility studies needed to assess project viability using established and agreed-upon criteria. For those that appear viable, developed estimates of seasonal water storage and release.	13	A
7	42	Seek additional and alternative sources of water for development in the region.	13	A
5	28	Support upgrading and maintaining water metering system infrastructure, where possible. Note: Automated read systems (not SMART) can be installed at reduced cost.	12	A
5	33	Identify funding programs to support infrastructure enhancements that advance sustainable and secure water solutions for the region. Study how other cities and counties have funded their infrastructure improvements through time and manage water infrastructure assets.	10	B
5	29	Use the latest technologies (e.g., In system monitoring and controls, pumping efficiency, automating, and controlling potential zone isolations) available when retrofitting, or replacing, water infrastructure.	9	C
5	30	Address distribution system failures by installing earthquake valves in water tanks to retain water even if distribution system fails.	9	C
5	32	Support the expansion of the state-supported revolving fund (including developing a new fund for self-suppliers) to accelerate water infrastructure improvements. Improve access to funding by enhancing coordination and collaboration with communities).	9	C
5	34	Establish a community revolving loan program for infrastructure improvements for septic systems.	9	C
6	41	Protect critical lands within drinking water source areas through acquisition, conservation easements, or other tools that prevent degradation and/or impacts to source water quality.	14	A
6	35	Identify, fund, and implement high-priority regional source water protection activities.	13	A
6	40	Furthering a working lands concept, advocate for incentives, and other strategies, that promote silvicultural practices that support restoration of watershed ecological function and protect drinking water source areas.	13	A

Imperative	Action #	Action Description	Total Score	Priority Group
6	36	Support the reduction of nutrient, turbidity, and bacteria inputs and emerging contaminants of concern (e.g., PFAS, PFOA, PFOS, pharmaceuticals, etc.) to source water from all sectors using the latest technology.	13	B
6	38	Assess and evaluate harmful algal bloom events that affect source water to identify potential contributing sources, and educate and support the reduction of nutrient inputs to source water from all sectors to prevent algal blooms (e.g., promote agricultural nutrient management plans, grants to reduce inputs, well water nitrate screening, well water and septic system education, low-input gardening).	13	B
6	39	Advocate for integrated pest management (e.g., minimize aerial spraying in watersheds adjacent to source water; promote hand clearing in riparian zones (versus hand spraying); support notification of all water treatment facilities when and where spraying will occur), as well as notification of downstream water users who are not on municipal water systems and rely on source water for domestic use.	13	B
6	37	Enhance contamination prevention measures for reservoirs, surface water intakes, springs, and/or wellheads.	9	C
8	44	Support restoration projects that involve diverse landowners and land management goals in locations that will achieve the greatest ecological returns on investment (e.g., cooler streams and improved summertime flows for sensitive species and to address water quality impairments).	15	A
8	54	Determine ecological flows (seasonally varying flow targets and temperature-based flow targets), and identify basin-wide in-stream demands. Support development of additional instream water rights. Implement flow restoration efforts in high priority areas as determined by Instream Water Right Monitoring and other means (e.g., ODFW's Aquatic Habitat Prioritization).	15	A
8	55	Use established voluntary programs, or other tools, to convert existing water rights (e.g., irrigation, commercial use, other out-of-stream uses) to instream uses that protect critical flows needed to support fish and wildlife, water quality, recreation, and scenic attraction.	15	A



Imperative	Action #	Action Description	Total Score	Priority Group
8	59	Support and advocate for the compilation of a hierarchy of necessary spatial analyses and modeling to determine which conservation strategies, and locations on the landscape, will result in the greatest environmental returns on investment (ROI) (e.g., ecological function) and achieve the highest priorities in existing species recovery plans (e.g., improving winter and summer rearing habitats). Advocate for implementation of strategies in federal Coho recovery plan and Oregon coast Coho Conservation Plan (OWEB FIP Framework).	15	A
8	46	Advocate for the restoration and conservation of native riparian vegetation to facilitate large natural wood recruitment, maintain water quality, ensure ecological function, and produce habitat for aquatic species, including beavers.	14	A
8	49	Protect beaver populations and encourage beaver pond creation, especially in critical areas with low summer flows.	14	A
8	50	Design and implement restoration projects with partners to directly address impairments and improve conditions (e.g., erosion prevention and control, riparian and wetland buffers, urban tree protection).	14	A
8	51	Evaluate the mechanisms and conditions for restoring hyporheic flows (the transport of surface water through sediments in flow paths that return to surface water) in the Mid-Coast using a suite of strategies (articulated in the Oregon Plan and other plans).	14	A
8	53	Support projects that result in increased water retention capacity in channels, floodplains, and adjacent uplands and wetlands using a variety of strategies.	14	A
8	58	Acquire land, or obtain conservation easements, to protect critical land areas managed for water quality protection.	14	A
8	45	Use established methods (e.g., field assessment, remote sensing, and physical models, such as Heat Source) and local knowledge to prioritize stream reaches for riparian buffer restoration projects. Increase wooded buffer zones on priority streams.	13	B
8	52	Recommend limits on further appropriation of water on high priority streams where water is not available for meeting aquatic life needs.	13	B
8	56	Identify priority invasive species in each watershed, and seek funding to support control and management of invasives in streams and along stream corridors while encouraging establishment of native vegetation.	13	B
8	47	Implement more erosion control practices.	12	B

Imperative	Action #	Action Description	Total Score	Priority Group
8	48	Evaluate anthropogenic sources of fine sediment from all land uses, including mass wasting and unsurfaced roads. Seek funding opportunities to reduce shallow landslide risk and other sediment delivery hazards (e.g., undersized culverts, outdated road maintenance, legacy roads) and perform road upgrades, repair, and decommissioning.	12	B
8	57	Advocate for implementation of the Lincoln County Multi-Jurisdictional Natural Hazard Mitigation Plan, especially as it relates to wildfire mitigation in the Mid-Coast.	11	C



# Attachment B

# MCWPP SMARTSHEET WORKSPACE DOCUMENTATION

Mid-Coast Water Planning Partnership

Funding for the Prioritization Project and Early Implementation Work Plan was provided by the Oregon Water Resources Department through an American Rescue Plan Act (ARPA) grant.



October 2024



## MCWPP Smartsheet Workspace Documentation

The following document provides a description of the MCWPP Workspace in Smartsheets. The purpose of the workspace is to facilitate project tracking and coordination among partners. This Smartsheet workspace is only available to users with whom the link has been shared.

### 1 MCWPP Dashboard

The dashboard includes summary tables of various partnership metrics. Summary metrics currently include:

- **Active Project Participants:** All organizations listed in the Project List as either Project Leads or Collaborators.
- **Project Funding Sources:** Pie chart of estimated federal, state, and “other” contributions towards total funding. The project costs are currently invalid and meant only for demonstration purposes. Organizations should fill out the funding columns as that information becomes available. These numbers are calculated in the “Z\_Dashboard Metrics” sheet.
- **Funding Proportion by Initiative:** Pie chart of estimated proportion of total funding per initiative. As above, the funding data is invalid and should be replaced with real or estimated numbers as that information becomes available. These numbers are calculated in the “Z\_Dashboard Metrics” sheet.
- **Number of Projects per Initiative:** A simple count of projects per initiative. These numbers are calculated in the “Z\_Dashboard Metrics” sheet.
- **Project Timeline:** This is a quarterly Gantt chart of all listed projects. Currently, there are a few projects with estimated start and end dates, however those are invalid as they were for demonstration purposes only. Project leads should add accurate timeframe information as available. Data for this dashboard chart is based on the “Z\_Project Timeline Quarterly Gantt” report, which is drawn from the “2\_Project List” sheet. Once the source information is accurate, this can be a helpful tool for project sequencing.

These existing “widgets” should update automatically as the source data updates. Additional widgets can be added to the dashboard by clicking the edit button and then the plus sign for “add widget.” The MCWPP logo is clickable and will open the partnership’s webpage.

### 2 Project List

This is the master sheet for all MCWPP project data. Rows 1:53 were taken directly from the original MCWPP project list in Smartsheet. Additional projects can be added by either adding

a new row and inserting all relevant and known information, or by using the “Add New Projects Here” form. Column specific information:

- Data in the “Project Names” column was added by GSI, and should be reviewed by project leads and collaborators.
- Project Lead and Project Partner information can be added from the dropdown list. Organizations listed in the dropdown list are generated from the “5\_MCWPP Partners” sheet. Dropdown list selections can be revised by editing the column properties (from drop-down list in the column header) and entering or removing names from the “Values” list.
- Imperative, Action, Bundle, and Priority columns are also enabled with dropdown lists. Dropdown data is sourced from the “4\_Imperatives and Actions” sheet.
- All date and cost information is currently invalid and should be updated by project managers when real data becomes available.

We recommend continuing to use the dropdown list functionality where possible so that project data is standardized and can be easily rolled up into dashboard summary metrics.

### **3 MCWPP Projects \*Original Table\***

This is the original table that MCWPP partners created, retained here for reference but should not be used.

### **4 Imperatives and Actions**

This table includes some of the basic information about Imperatives and Actions. Its function in the Smartsheet workspace is to populate dropdown lists in columns of the Project List related to imperatives and actions, and to provide a reference for looking up descriptions of the imperative and action numbers.

### **5 MCWPP Partners**

This sheet includes all organizations currently listed as leads or collaborators on projects in the Project List. Additional partners can be added as needed. Please sort alphabetically so that reference dropdown lists are easier to navigate. Additionally, organizations should add their representative names and contact information and update as needed.

### **Z Dashboard Metrics**

The purpose of this sheet is to calculate roll-up metrics to be used in the dashboard. Additional metric calculations can be added as needed.

### **Z Project Timeline Quarterly Gantt**

This report summarized the “Approximate Start Date” and “Approximate End Date” columns in the “2\_Project List” sheet. It is used for the Timeline widget on the dashboard. Project

managers should update the referenced columns in the Project List sheet as information is available so that the dashboard Gantt timeline shows accurate information. Currently, the Gantt is formatted in quarterly windows.







# Attachment C

## BUNDLE WORK PLANS

Mid-Coast Water Planning Partnership

Funding for the Prioritization Project and Early Implementation Work Plan was provided by the Oregon Water Resources Department through an American Rescue Plan Act (ARPA) grant.



December 2024



# Work Plan Outline

## Bundle 1: Water Conservation

- Prioritized actions:
  - 1 - Develop and implement a public awareness engagement campaign aimed at supporting the imperatives and actions in the Mid-Coast Water Action Plan, including raising awareness and understanding of regional water issues. Includes the following:
    - 1a - Promote water conservation at local events, on the Mid-Coast Water Planning Partnership website and the websites of regional partners and entities, in news articles, and water bills, via social media, and through outreach materials to businesses, particularly in the hospitality industry.
    - 1b - Develop drought declaration and audience-specific (e.g. self-supplied industrial water users) water conservation and curtailment messages
    - 1f - Identify or develop curriculum and materials/information for students and the public (community education) about their water sources, water management, and water conservation
  - 4 - Regional Collaboration: Strengthen/support the Mid-Coast Water Conservation Consortium to enhance water conservation, increase resiliency during shortages and emergencies, and pool resources of multiple water providers. Support enhanced coordination with state and federal entities outside the Mid-Coast
- Gaps:
  - All actions in this bundle have at least one associated project, but efforts can be expanded for each of the actions, such as through increasing membership in Mid-Coast Water to expand the reach of outreach materials and expanding outreach to specific audiences
- Approach:
  - Promote water conservation and awareness of water sources and water management issues (e.g., drought) (Actions 1a, 1b, 1f, and 4) through supporting Mid-Coast Water
  - Strengthen/support Mid-Coast Water by:
    - Promoting Mid-Coast Water at Partnership meetings and on the Partnership website, as well as disseminating press releases
    - Providing Mid-Coast Water with ideas about funding resources, partners, outreach events, and ways to enhance outreach
- Resources:

- Oregon Health Authority: Drinking Water Source Protection Fund; Drinking Water State Revolving Fund (low-cost loans, funded through the Safe Drinking Water Revolving Loan Fund)
- Bureau of Reclamation WaterSMART Program
  - Water and Energy Efficiency Grants
    - 50/50 cost share funding for projects that result in quantifiable and sustained water savings.
  - Small-Scale Water Efficiency Projects
    - 50/50 cost share funding for small water efficiency improvement projects identified through previous planning efforts (e.g., installation of flow measurement or automation in a section of a water delivery system, etc.)
  - Environmental Water Resources Projects
    - Funding for water conservation projects, water management improvements, and river and watershed restoration projects that provide significant ecological benefits
  - Water Strategy Grants
    - Funding for collaborative planning to improve water supplies including conservation, water marketing, drought and ecological resilience.
  - Drought Contingency Planning and Drought Resiliency Projects
  - Planning and Project Design Grants
- Oregon Watershed Enhancement Board (OWEB) Partnership Stakeholder Outreach Grant
- Oregon Department of Environmental Quality (DEQ) Clean Water State Revolving Fund Program
- Proposed activities:
  - Partnership
    - Obtain updates about Mid-Coast Water activities and share updates with partners at least annually (ideally a representative from Mid-Coast Water presents/discusses activities at a Partnership meeting)
    - Add the Mid-Coast Water website link to the Partnership website and provide an accompanying description
    - Promote ongoing Mid-Coast Water activities, like events, on the Partnership website, email lists, or other Partnership outreach channels
    - Share information about applicable funding opportunities with Mid-Coast Water
    - Share ideas about potential partners with Mid-Coast Water, such as state and federal entities outside the Mid-Coast

- Encourage water providers not currently participating in the Mid-Coast Water to explore participation
- Share ideas about local events where Mid-Coast Water could host a booth
- Share drought declaration information and press releases developed by Mid-Coast Water with the Partnership
- Continue tracking which water providers are required to do Water Management and Conservation Plans (WMCPs) and updating this list on the Partnership website and request copies of WMCPs
- Mid-Coast Water
  - Continue to promote water conservation through the Mid-Coast Water website and outreach materials, such as newsletter articles, billing inserts and messages, press releases, social media messages, and annual water quality reports
  - Begin to produce some outreach materials in Spanish
  - Expand attendance at events to promote water conservation to beyond three events per year
  - Expand outreach efforts to smaller water providers to encourage participation in Mid-Coast Water, such as through meeting with them in-person to discuss Mid-Coast Water and to understand their needs.
  - Continue to support Mid-Coast Water members by developing water conservation outreach materials for Mid-Coast Water members and providing some tailored water conservation website content for each entity's website
  - Reach out to vacation rental management companies, motels, and hotels about promoting water conservation and share initial drafts of outreach materials. Adjust outreach materials as needed to meet the needs of these businesses and support them with implementing use of outreach materials
  - Develop audience-specific water conservation curtailment messages as audiences are identified
  - Identify additional educational partnerships that will enable Mid-Coast Water to enhance student education about water conservation, water sources, and water management; work with partners to develop and integrate educational materials covering those themes in partners' lessons and programs

# Work Plan Outline

## Bundle 2: Water Quality Outreach

- **Prioritized actions:**
  - **1 (G) – Voluntary Actions:** Conduct outreach to encourage implementation of voluntary, incentive based actions throughout the region, consistent with existing plans, such as the Mid-Coast Agricultural Water Quality Management Area Plan.
  - **1 (H) – Source Water Protection and Development:** Inform self-supplied and public water users and residents and businesses within public water supply areas about water supplies and water protection measures, including proper well construction and maintenance, septic system maintenance, and proper use of landscape and other chemicals.
  - **1 (J) – Source water outreach:** Conduct education in source water areas (including to those that may not be customers of the water provider) about drinking water sources, risks, choices and strategies
  - **1 (I) – Pesticide outreach:** Work with partners and agencies (e.g., Oregon State University Extension Service) to deliver information on safe pesticide application practices and vegetation management practices that reduce or eliminate pesticide use. Provide outreach on water quality impacts of pesticides and fertilizers associated with lawn management near streams and ponds. Share methods that reduce impacts and identify alternatives.
  - **1 (K) – best management practice outreach:** Connect private landowners with resources and information about best management practices to improve water quality and quantity.
- **Gaps:**
  - potential gap in 1i, funding and approach needs to be considered. Previous workshops were mixed in attendance. Is there a specific target audience we are seeking to work on this with? Landowners, contractors, farmers, etc?
  - Gaps in funding for non-agricultural/forestry properties
  - Organizational relationships (Surfrider (Blue Water Task Force), Aquarium, Municipal Water Providers (raw water data)
  -
- **Approach:**

- Mailer, flyers, and posters
- Workshops
- Social media engagement
- On-Site visits
- Visual data information - ( Water chemistry) What happens when Temperature changes.
- 1 (I) – Pesticide outreach and education: (1) Summarize available Toxics data (see website), (2) summarize interpretation, (3) recommend the additional data needs to assess pesticides in water column over time. Solicit public input on draft plan.
- **Resources:**
  - **1 (G) – Voluntary Actions:**
    - [Agricultural Water Quality Management Area Plans](#)
  - **1 (H) – Source Water Protection and Development:**
    - [OSU Extension Well Water Program \(Septic and Wells\)](#)
  - **1 (J) – Source water outreach:**
    - [Coalition of Oregon Land Trusts Protecting Oregon’s Drinking Water Sources](#)
  - **1 (I) – Pesticide outreach:**
    - [SOLVE Pest Problem](#)
    - [PNW Pest Management Handbooks](#)
    - [ODA Water Quality and Pesticides Program](#)
    - [ODA Pesticide Stewardship Program](#)
    - [National Pesticide Information Center \(Fact Sheets\)](#)
    - [Pesticide Environmental Stewardship](#)
  - **1 (K) – best management practice outreach:** Connect private landowners with resources and information about best management practices to improve water quality and quantity.
    - [NRCS Conservation Practice Standards](#)
    - Ag Water Quality BMP
    - Forestry Water Quality BMPs
    - Conservation/Habitat Water Quality BMPs
    - Gardens, turf and residential BMPs
    - Stormwater BMPs

- [Bioretention and Rain Garden BMPs](#)
  
- **Proposed activities:**
  - **2025 Winter:** Living on the Land Series (LSWCD/OSU Extension) 1g, 1h, 1k, 1i
  - **2025 Fall** Manure Management Workshop Series (LSWCD/ODA) 1k
  - **2025** Beaver and LWD Brochure (MCWC) 1g and 1k
  - **2025-2026** Schooner Creek Source Water Conservation Outreach (LSWCD/Lincoln City Public Works) 1h, 1j, 1k
  - **2025** School Field Trip Water Conservation Station (ODFW) 1j
  - **2025-2029** River Float Series (LSWCD) 1g/1i/1j/1k
  - **2025 - 2028 Summer** Title II Weeds Mailers (LSWCD) 1i
  - **2025 - 2030** Landowner Technical Assistance site visits (LSWCD/MCWC/NRCS) 1g, 1h, 1k
  - **2025 - 2029** NRCS Siletz NWQI Source Water Outreach (Forestry and Ag eligible properties) (LSWCD/NRCS) 1g, 1h, 1k
  - **2024 - 2026** DEQ Coastal Partners for Drinking Water Protection Workshop Series (DEQ) 1h, 1k, 1j
  - **2024 - 2025** City of Newport Drinking Water Protection Plan Meetings (City of Newport)
  - **2024 - 2030 Quarterly** Siletz Watershed Meetings (MCWC) 1g, 1h, 1j
  - **2024 - 2030** Wild Things, Bloom, Toledo Boat Show and other community events/festivals (MCWC/LSWCD) 1g, 1h, 1k, 1j
  - **2024 - 2030** Farmers Markets (MCWC/LSWCD) 1g, 1h, 1k, 1j
  - **2024-2030 Fall** Salmon River Cleanup (MCWC) 1g, 1h, 1k, 1j
  - **2024-2030 Summer** Siletz River Cleanup (MCWC) 1g, 1h, 1k, 1j
  - **2025 - 2030** Midcoast Water Quality Conservation Brochure (LSWCD/MCWC) 1g, 1h, 1k, 1j
  - **2025 - 2030** Midcoast Water Quality Monthly Social Media Outreach (LSWCD/MCWC) 1g, 1h, 1k, 1j



- **2025 - 2030** Midcoast Watersheds Council Community Meeting Quarterly Water Quality Topics (MCWC) 1g, 1h, 1k, 1j
- **2025 - 2030** Social Media Outreach and Education on Water Quality (Monthly) (LSWCD/MCWC) 1g, 1h, 1k, 1j
- **2025 - 2030** MCWC Volunteer Conservation Events (MCWC) 1g, 1h, 1k, 1j

# Bundle 3: Drinking Water Source Water Protection Work Plan

<b>Prioritized actions:</b>	<b>1</b>
<b>Goals &amp; Objectives:</b>	<b>2</b>
<b>Action 35 Clarification:</b>	<b>3</b>
<b>Gaps and Challenges Assessment:</b>	<b>4</b>
<b>Connection to Oregon’s Integrated Water Resources Strategy:</b>	<b>5</b>
<b>Public Water System Participation in the MCWPP:</b>	<b>6</b>
<b>Source Water Protection Funding &amp; Technical Assistance Resources:</b>	<b>9</b>
Select References:	9
Resources:	9
Potential Partners:	10
<b>Implementation Timeline &amp; Suggested Activities:</b>	<b>11</b>

## Prioritized actions:

- **5 (Priority Group A) – Regional Collaboration:** Support and advocate for planning and development that minimizes impacts to floodplains and riparian areas, promoting Green Infrastructure methods and Low Impact Development practices.
- **12 (Priority Group A) – Source Water Protection and Development:** Develop regionally integrated Drinking Water Protection Plans to ensure that strategies and implementation plans are in place to minimize threats to water supply sources throughout the Mid-Coast. Advocate for funding to support the development and implementation of these plans.
- **13 (Priority Group A) – Source Water Protection and Development:** Create a Source Water Protection Plan, or multiple source-specific plans, to reduce, or minimize contaminants from entering source waters. Advocate for funding

to support the development and implementation of these plans.

- **35 (Priority Group A) – Identify, fund, and implement high priority regional source water protection activities.**
- **36 (Priority Group B) – Support the reduction of nutrient, turbidity, and bacteria inputs and emerging contaminants of concern (e.g., PFAS, PFOA, pharmaceuticals, etc.) to source water from all sectors using the latest technology.**
- Note that the ‘Protect Critical Lands’ bundle of prioritized actions (actions 41 & 58) is also achieving source water protection goals when implemented in drinking water source areas.

## Goals & Objectives:

The goal of this work plan is to create a useful framework for mid-coast public water systems, municipalities, and technical assistance providers to implement prioritized drinking water source water protection actions identified by the Mid-coast Water Planning Partnership.

The specific objectives of this work plan are to:

- Clarify what constitutes a high priority regional source water protection activity in relation to Action 35 - Identify, fund, and implement high priority regional source water protection activities.
- Call attention to potential gaps or challenges to implementing the priority source water protection actions.
- Highlight the links between priority source water protection actions identified by the Mid-coast Water Planning Partnership and actions identified in the State of Oregon’s Draft 2024 Integrated Water Resources Strategy (IWRS).
- Identify mid-coast public water systems that are and are not already partners in the Mid-coast Water Planning Partnership to aid in outreach efforts to increase water system participation and engagement in the Partnership.
- Provide source water protection funding and technical assistance resources to support partner efforts in implementing prioritized actions.

- In order to support the implementation of the prioritized source water protection actions, specify activities or projects that can happen in the first 1-2 years (winter 2025 - winter 2027) and propose activities and projects that could be implemented in the 3-5 year timeframe (winter 2027-winter 2030).

## Action 35 Clarification:

Priority Action 35 is to identify, fund, and implement high priority regional source water protection activities. The description for this action is vague, and it is not clear what type of activities or projects would qualify. A framework for identifying high priority regional source water protection activities is as follows: projects qualify by meeting at least one of four criteria. Each criteria that a project meets counts as a weight towards evaluating high priority regional projects against one another. If high priority regional projects have to be evaluated against one another, then the higher scoring projects would be prioritized first.

<b>Categories for identifying projects that are considered high priority regional activities (project must satisfy at least one criteria to qualify):</b>	<b>Mark a '1' next to every criteria the project satisfies. Sum is priority score.</b>
Project is being implemented in a drinking water source area that serves more than one public water system.	
Project is an action identified within a Drinking Water Protection Plan that was approved/ certified by DEQ within the past 5 years.	
Project addresses a high risk potential contaminant source within a drinking water source area OR addresses a current source of known contamination in a source water area that is causing operational difficulties for the treatment facility or is a concern for public health.	
Project is regionally applicable to the mid-coast in that it serves the entire region (i.e. pesticide collection event) or it	

addresses a priority need common across drinking water source areas in the region in more than one drinking water source area (i.e. riparian assessment and restoration).	
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## Gaps and Challenges Assessment:

### **Action 5 - Regional Collaboration: Support and advocate for planning and development that minimizes impacts to floodplains and riparian areas, promoting Green Infrastructure methods and Low Impact Development practices.**

Potential gap when applied to source water protection specifically because there are limited city boundaries that fall within drinking water source areas in the mid-coast. The City of Siletz is the only example of a community for which implementation of Green Infrastructure and/or Low Impact Development practices would directly benefit floodplains and riparian areas in a drinking water source area within the planning area. The City of Siletz is upstream from the drinking water intakes for the Cities of Toledo, Newport, and Siletz. The City of Siletz is not currently a partner in the Mid-coast Water Planning Partnership and is limited in its capacity to invest time and/or resources into voluntary actions.

### **Action 35 - Identify, fund, and implement high priority regional source water protection activities.**

The potential gap associated with this action has been unknown in part due to the lack of specificity regarding what qualifies as a high priority regional source water protection activity. This work plan attempts to address this uncertainty by proposing a framework for how to identify high priority regional projects. Also, there may be actions occurring at the level of individual public water systems or communities for which a more regional collaboration could be more effective. Noxious weed management is a potential example for which a more regional approach to seeking funding and building partnerships could be strategic and increase implementation across the region.

### **Action 36 - Support the reduction of nutrient, turbidity, and bacteria inputs and emerging contaminants of concern (e.g., PFAS, PFOA, pharmaceuticals, etc.) to source water from all sectors using the latest technology.**

No projects related to this action were identified as of September 2024 when the Implementation Gaps table was developed by the Partnership. The risk to mid-coast

drinking water source areas from emerging contaminants of concern is relatively lower than in other areas of the state due to factors including (1) the lack of urban or industrial areas within drinking water source areas, (2) the lack of PFAS sources within drinking water source areas. One notable exception in relation to potential PFAS sources is the Siletz River drinking water source area: there are biosolids application areas and two ECSI sites within the source area that are potential sources of PFAS. Only a fraction of public water systems have been tested for PFAS in Oregon so far. PFAS is generally more of a concern for groundwater systems, and the specific risks from PFAS will need to be assessed once more data is available from public water system sampling efforts and the state has adopted Maximum Contaminant Levels (MCLs).

The project types most likely to support implementation of this action on the mid-coast are those that support the reduction of nutrients, turbidity, and bacteria inputs into streams using established best management strategies. There is a need for additional monitoring data to identify where specific projects and strategies are needed. In particular, additional turbidity data is needed to support Total Maximum Daily Load (TMDL) development in drinking water source watersheds. One strategy the partners could pursue is to support the development of turbidity TMDLs in drinking water source areas because this will provide regulatory backing to ensure that responsible parties are implementing corrective action to reduce pollutant loads in streams.

### **Future Impacts Due to Climate Change:**

Climate change will likely increase risks to water quality and quantity from existing potential sources of contamination and could pose additional contamination risks into the future. Water systems should assess how climate change will impact their source water area and use this information to update Drinking Water Protect Plans or other protection strategies.

## **Connection to Oregon's Integrated Water Resources Strategy:**

The State of Oregon is in the process of revising the [statewide Integrated Water Resources Strategy](#) (IWRS) (2024). The purpose of the IWRS is to better understand Oregon's instream and out-of-stream water needs - both environmental and consumptive - including water quantity, water quality, and ecosystem needs.

The IWRS helps coordinate water management efforts by multiple agencies and partners across the state. Identifying which sections of the state’s IWRS are in line with prioritized actions from the Mid-coast Water Planning Partnership’s Action Plan can help build the case for why projects should be prioritized for funding.

<b>Action from Oregon’s Integrated Water Resources Strategy (IWRS)</b>	<b>Related Prioritized Source Water Protection Action from MCWPP</b>
Action 10A - Improve watershed health, resiliency, and capacity for natural storage. An example of this action is to “identify and implement actions to protect and maintain drinking water source areas quality and quantity in upland and forested areas” (pg 136, 145).	<ul style="list-style-type: none"> <li>● Actions 12 and 13 help to identify actions in drinking water source areas to improve watershed health, resiliency, and capacity for natural storage.</li> <li>● Implementation of projects related to actions 35 and 36 could correlate with the IWRS action 10A.</li> </ul>
Action 11A - Ensure the Safety of Oregon’s Drinking Water (page 150)	<ul style="list-style-type: none"> <li>● Actions 5, 12, 13, 35, and 36</li> </ul>
Action 11B - Reduce the Use of and Exposure to Toxins and Other Pollutants (page 162)	<ul style="list-style-type: none"> <li>● Actions 5, 12, 13</li> <li>● Implementation of projects related to actions 35 or 36 could correlate with this action</li> </ul>
Action 5B - Encourage Low Impact Development Practices and Green Infrastructure (pg 81)	<ul style="list-style-type: none"> <li>● Action 5</li> </ul>

## Public Water System Participation in the MCWPP:

There are currently 9 public water systems that are named partners in the Mid-coast Water Planning Partnership. All of these water systems use surface water sources with the exception of the Panther Creek Water District which also uses a groundwater well seasonally.

<b>Public Water Systems that are Partners</b>	<b>Primary Source</b>	<b>Emergency Source</b>
Bay Hills Water Association	Bay Hills Reservoir	
Beverly Beach Water District	Wade Creek	
Lincoln City Water District	Schooner Creek	Drift Creek
City of Newport	Big Creek Siletz River (seasonal)	Connection to Seal Rock Water District
City of Waldport	N. Fk Weist Creek S. Fk. Weist Creek Eckman Creek (seasonal)	
City of Yachats	Salmon Creek Reedy Creek	Yachats River
Johnson Creek Water Services Company	Johnson Creek	
Panther Creek Water District	Panther Creek Groundwater well (seasonal)	
Seal Rock Water District	Beaver Creek	Connections to Toledo Water Utilities and City of Newport

There are additional public water systems operating in the Mid-coast region that are not yet partners to the Mid-coast Water Planning Partnership. These water systems draw from both surface water and groundwater sources.

<b>Public Water Systems that are not Partners</b>	<b>Primary Source</b>	<b>Emergency Source</b>
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Toledo Water Utilities	Siletz River (seasonal) Mill Creek (seasonal)	
City of Siletz	Siletz River	
City of Depoe Bay	N. Fk. Depoe Bay Creek S. Fk. Depoe Bay Creek Rocky Creek	
Trollers Cove Water Association	Unnamed Creeks	
Kernville-Gleneden Beach- Lincoln Beach Water District	Drift Creek Side Creek (seasonal)	
SW Lincoln County People's Utility District	Starr Creek Big Creek Vingie Creek Dick's Fk. Creek	
Hiland Water Company - Bear Creek	Callow Creek Groundwater well (seasonal)	
Hiland Water Company - Boulder Creek	Slick Rock Creek	
Hiland Water Company- Riverbend	Duncan Creek No Name Creek	
Otter Rock Water District	Springs	
Salmon River RV Park	Groundwater Well	
Hiland Water Company - Echo Mountain	Groundwater Wells	
Hiland Water Company - Westwood	Groundwater Well	Groundwater Well
Guptil Subdivision	Groundwater Well	
Carmel Beach Water District	Springs	

Kozy Acres Water System	Groundwater Wells	
Riverside Mobile Park	Groundwater Well	

## Source Water Protection Funding & Technical Assistance Resources:

The following list of select references and resources can help public water systems, communities, and technical assistance providers find resources to develop source water protection project ideas, build partnerships, fund projects, and effectively link projects to other planning documents for the region.

**Public water systems can contact the Oregon Department of Environmental Quality’s Drinking Water Protection Program by sending an email to [drinkingwater.protection@deq.oregon.gov](mailto:drinkingwater.protection@deq.oregon.gov) to receive free technical assistance in support of source water protection goals and projects.**

### Select References:

[National Water Quality Initiative Siletz River Source Water Assessment \(September 2024\)](#)

[Mid Coast Agricultural Water Quality Management Area Plan \(February 2024\)](#)

[City of Yachats Drinking Water Protection Plan \(September 2021\)](#)

[City of Toledo Drinking Water Protection Plan \(March 2023\)](#)

[Oregon’s Integrated Water Resources Strategy \(DRAFT, March 2024\)](#)

[Forest Practice Administrative Rules and the Oregon Forest Practices Act \(January 2024\)](#)

[Trees to Tap Science Review Working Papers \(2020\)](#)

## **Resources:**

[Potential Funding Resources for Land Conservation, Acquisition, and Stewardship for Drinking Water Protection \(Resource Guide, OR DEQ 2024\)](#)

[Coastal Source Water Protection Workshop Series: Presentations from Past Workshops \(Economic Development Alliance of Lincoln County's YouTube Channel\)](#)

[Developing Strategies for Source Water Protection \(Fact Sheet, OR DEQ 2018\)](#)

[Drinking Water Protection Plan Certification Requirements \(Fact Sheet, OR DEQ 2017\)](#)

[Surface Water Resource Guide for Drinking Water Source Protection \(OR DEQ 2018\)](#)

[Ground Water Resource Guide for Drinking Water Source Protection \(OR DEQ 2017\)](#)

[Forest Practices Act Streams and Steep Slopes Map \(Oregon Department of Forestry\)](#)

[Environmental Quality Incentives Program - State of Oregon Project Map \(National Resource Conservation Service\)](#)

Oregon Department of Agriculture Strategic Implementation Area (SIA) in the Siletz expected to start in 2026. [Read more about SIA's here.](#)

[Clackamas River Water Providers YouTube Channel:](#) Great resources on topics such as septic system maintenance for rural landowners, how to reduce pesticide drift, etc.

## **Potential Partners:**

Oregon Department of Environmental Quality Drinking Water Protection Program and Watershed Basin Coordinator/Basin Specialists

Lincoln County Soil & Water Conservation District

Midcoast Watersheds Council

McKenzie River Trust

Economic Development Alliance of Lincoln County

Oregon Coast Community Forest Association

Landowners within source water areas

Oregon Sea Grant - Oregon State University

Sustainable Northwest

Local Schools

Mid-Coast Water Conservation Consortium

## Implementation Timeline & Suggested Activities:

**Approach:** The recommended approach for achieving source water protection goals on the Mid-coast is to build robust partnerships to support the capacity of communities to engage in voluntary risk reduction actions. Collaboration among communities is encouraged, and when possible, pooling resources together to implement larger projects can result in greater regional impact.

**The implementation timeline represents committed activities from public water systems or technical assistance partners.**

Winter 2025 - Winter 2027 Activities	Related Action(s)
Public water systems personnel, community leaders, and technical assistance providers attend coastal source water protection workshop series when offered and provide feedback on source water protection topics needed at future workshops. Learn more information here: <a href="#">Department of Environmental Quality : Source Water Protection Workshops : Drinking Water Protection Program : State of Oregon</a> <ul style="list-style-type: none"><li>• Next workshops anticipated in fall 2025</li></ul>	35, 36
Public water system/ community presentation at coastal source water protection workshop to share local stories and help build partnerships. <ul style="list-style-type: none"><li>• Next workshops anticipated in fall 2025</li></ul>	
The City of Newport finalizes the Drinking Water Protection Plan. <ul style="list-style-type: none"><li>• Final plan anticipated in spring 2025</li></ul>	12, 13

The City of Newport develops a Forest Stewardship Plan for city owned parcels in Big Creek watershed. <ul style="list-style-type: none"> <li>Final Forest Stewardship Plan anticipated in late 2025 to mid-2026</li> </ul>	35
City of Lincoln City develops Forest Stewardship Plan for Schooner Creek parcel. <ul style="list-style-type: none"> <li>Final Forest Stewardship Plan anticipated in late 2025/ early 2026</li> </ul>	35
City of Lincoln City pursues rural residential landowner outreach to assess riparian conditions on private land, provide technical assistance, and explore critical area protection in the riparian corridor of Schooner Creek watershed in partnership with the Lincoln SWCD. .	35, 36
City of Toledo develops Forest Stewardship Plan for city-owned parcels in Mill Creek watershed. <ul style="list-style-type: none"> <li>Final Forest Stewardship Plan anticipated in late 2025/ early 2026</li> </ul>	35
City of Toledo completes critical area protection analysis in the Siletz River watershed and develops a landowner outreach strategy to engage landowners.	35
Seal Rock Water District completes a Drinking Water Protection Plan.	13
City of Waldport completes a Drinking Water Protection Plan.	13
City of Depoe Bay develops a strategic plan for pursuing watershed conservation and completes outreach to landowners to pursue the goal of protecting the N. Depoe Bay and Rocky Creek watersheds with acquisitions and easements from willing sellers.	12, 13,36

**The following suggested activities represent projects or activities that do not currently have sponsors or funding identified.** Source water protection is voluntary and it is important to consider the capacity, resources, and local will of public water systems and communities to engage in sustained source water protection work. Partnerships are key to success.

**Suggested activities:**

- Support proposed projects through the Project Support Committee.

- Engage City of Siletz to join the MCWPP and explore the city's potential interest in Green Infrastructure/ Low Impact Development planning and implementation.
- Engage additional drinking water providers in the Mid-Coast to build partnerships and encourage participation with the MCWPP.
- Pool resources and/or identify funding sources to hire a Source Water Protection role to support mid-coast public water systems. A mid-coast Source Water Protection specialist could help to identify and evaluate projects, build partnerships, and identify/ apply for grant opportunities.
- Work with the Oregon Department of Environmental Quality Drinking Water Protection Program to receive support in identifying projects, building partnerships, and applying for funding.
- Annually review Drinking Water Source Areas and identify any new or unanticipated potential sources of contamination or other issues. Assess the potential impacts that climate change may have on the risk of potential sources of contamination including wildfire, drought, severe storms, and nutrients.
- Initiate a coordinated effort to survey drinking water source areas for state habitat conservation plan (HCP) species of concern (in particular, the coastal giant salamander, Cope's giant salamander, coastal tailed frog, and southern torrent salamander). The documented presence of HCP covered species provides a potential pathway to additional funding resources to implement source water protection actions in a watershed.
- Identify source watersheds where beaver are already present/ are a viable option for pursuing beaver-mediated restoration. Beaver activities and dams help to trap sediment, filter and bind toxic chemicals, and reduce the severity of natural stressors like drought/ storms/ wildfire.
- Coordinate with the Monitoring Committee if there are concerns about impacts to water quality from water reuse or land application.
- Promote/Develop community education and outreach programs to engage citizens, water system staff, board members and elected officials, and

stakeholders in developing and supporting drinking water protection measures.

- Coordinate efforts with the Mid-Coast Water Conservation Consortium as appropriate.
- Design/ conduct/ guide monitoring efforts for pesticides in source watersheds in partnership with private landowners.
- Communicate with County planners and municipalities to gauge interest in Green Infrastructure (GI) and Low Impact Development (LID) and review County and municipal zoning and planning codes. Support projects to update planning codes to support GI and LID and coordinate with state and federal agencies on revising floodplain ordinances to expedite riparian habitat restoration projects.
- Support the educational efforts of Lincoln SWCD, Midcoast Watersheds Council, OSU extension and others.
- Continue to implement and support sediment reduction and ecosystem restoration projects.
- Explore developing a Memorandum of Understanding or other agreement with USFS and/or BLM when they are landowners within a Drinking Water Source Area.
- Communicate with Lincoln County and other agencies about incorporating source water protection into existing emergency plans.
- Consider wildfire risk reduction planning.
- Develop and implement monitoring plans for turbidity, nutrients, and bacteria. Consider also monitoring streamflow to inform water supply planning and evaluate trends that may be related to climate change or activities in the watershed.
- Advocate for better water quality standards for nutrients. MCWPP partners can track the Oregon DEQ's developments for nutrient standards and advocate as appropriate.

# Work Plan Outline

## Bundle 4: Water Quality Monitoring

- **Prioritized actions:**
  - **16 - Stream Gauges:** Fully fund, install, and monitor real-time stream gauging stations throughout the region in priority locations and times of year when they are needed most to accurately assess source water and enable innovative demand reduction actions during periods of critical ecological need.
  - **17 - Water Quality Monitoring:** Develop and implement a coordinated long-term water quality monitoring program throughout the region (e.g., source water, streams, estuaries) to improve understanding of current conditions and event-caused conditions (i.e., storm, low-flow) for nutrients, bacteria, temperature, dissolved oxygen, pH, turbidity and other specific contaminants identified by DEQ, including those that contribute to harmful algal blooms (HAB)s. Collect water samples to identify pollutant sources (location, source, practices influencing input, transport and fate of pollutants). Advocate for additional sampling in headwaters (where herbicides and pesticides are applied) and at municipality intakes.
  - **18 - Water Quality Monitoring:** Conduct comprehensive and ongoing water testing, and use results to guide best management practice implementation, restoration, etc. to address water quality impairments.
  - **17 - Volunteer Network for Water Quality Monitoring:** Develop a coordinated network of people conducting stream flow monitoring and water quality monitoring to share resources and data. Explore cost-effective ways to recruit, train and incorporate volunteers in data collection to complement the stream gaging network/activities.
- **Gaps:**
  - Currently, both Agency funds and grants for Water Quality monitoring is limited and inconsistent, beyond DEQ's Ambient Network.
  - Current monitoring being conducted may not have a comprehensive monitoring plan that includes QA/QC and procedures for submission of data.
  - Capacity to run a volunteer network would need to be found in an existing organization



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- **Approach:**
  - Coordination between agencies and partners conducting water quality monitoring
  - **17 - Water Quality Monitoring:** MCWPP Bundle 4 (Water Quality) Work Group Recommendations: Potential locations for establishing new and expanding existing water quality monitoring program should be identified and proposed by a panel of local stakeholders in consultation with agency personnel and subject matter experts. The review should consider at a minimum: locations of previously used local, state or federal agency monitoring sites, augmenting DEQ's Ambient Water Quality Monitoring network (4 sites within the planning area)<sup>1</sup> to (a) increase sampling frequency and (b) generate valid statistical estimates of water quality trends, and (c) assess the costs and benefits of long-term sites compared to targeted projects.
  - **18 - Water Quality Monitoring:** MCWPP Bundle 4 (Water Quality) Work Group Recommendations: Potential locations for establishing long-term, comprehensive water quality monitoring program should be identified and proposed by a panel of local stakeholders in consultation with agency personnel and subject matter experts. The review should consider at a minimum: types of data obtained from previous monitoring sites/projects, whether monitoring data already collected should be analyzed in depth prior to embarking on extensive new data collection to determine primary data gaps and assess the costs and benefits of "comprehensive" monitoring compared to targeted projects to answer specific questions in specific areas.
  - Workshops to educate and address water quality parameters
  - Social media engagement for volunteers and education
  - On-Site visits to test efficacy of best management practices
  - Conduct regular comprehensive monitoring on major source water areas in the county/planning area . Consider a rotating statistically based monitoring approach designed to collect representative data and assess seasonal water quality patterns at several source areas each year.
  - Coordinate with DEQ and monitoring partners to develop standard operating procedures and monitoring plans (DEQ's multiple monitoring

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<sup>1</sup> <https://www.google.com/maps/d/u/0/viewer?hl=en&ll=44.60904245596588%2C-122.39501823633256&z=9&mid=1m6aDFqAyXQ9cgINtdhgOCs9i3N8>

programs have extensive QA/QC documentation of procedures and DEQ's Volunteer Monitoring Program<sup>2</sup> utilizes an established QA/QC framework. Work Group Recommends utilizing these existing programs to the extent possible)

- Proof and submit water quality monitoring data to DEQ
- For **16 - Stream Gages:** MCWPP Bundle 4 (Water Quality) Work Group Recommendations: Apply for funding and implement the installation of stream gages on major waterways and source water areas: Potential locations for new stream gages should be identified and proposed by a panel of local stakeholders with assistance from subject matter experts. The review should consider at a minimum: locations of discontinued state or federal agency stream gage sites and staff gages, evaluation of the existing network to provide valid statistical estimates for ungauged streams (using USGS StreamStats), and cost-benefit compared to manual targeted projects (dry season/drought flow wadeable streamflow monitoring).
- Coordinate with ODFW staff (STEP) to build a network of volunteer water quality monitors
- **Resources:**
  - **16 - Stream Gages:**
    - **USGS Streamflow**  
(<https://waterdata.usgs.gov/or/nwis/current/?type=flow>)
    - **OWRD Gage Station Map**  
(<https://www.arcgis.com/apps/mapviewer/index.html?layers=485f754e3ffc48a68663057308ce5deb>)
  - USGS StreamStats<sup>3</sup>**17 - Water Quality Monitoring:**
    - **US EPA Technical Guidance for Designing a TMDL Monitoring Plan** ([https://www.epa.gov/sites/default/files/2015-07/documents/techguide\\_design\\_tmdl\\_effective\\_monitorp\\_123011-2.pdf](https://www.epa.gov/sites/default/files/2015-07/documents/techguide_design_tmdl_effective_monitorp_123011-2.pdf))
    - DEQ's Water Monitoring Program (ambient, toxics, source water and other): <https://www.oregon.gov/deq/wq/Pages/WQ-Monitoring.aspx>
    - DEQ Ambient Network:
  - **18 - Water Quality Monitoring:**
    - See 17 above

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<sup>2</sup> <https://www.oregon.gov/deq/wq/Pages/WQ-Monitoring-Volunteer.aspx>

<sup>3</sup> <https://www.usgs.gov/streamstats>

- **17 - Volunteer Network for Water Quality Monitoring:**
  - **DEQ Volunteer Monitoring Program**  
(<https://www.oregon.gov/deq/wq/pages/wq-monitoring-volunteer.aspx>)
  
- **Proposed activities:**
  - **2025-2036** : Siletz Source Water Sampling, *Temperature, E. coli, TSS, TN, TP, eDNA, Pesticides* (LSWCD) 17/18
  - **2025-2030** : Upper Yaquina Water Quality Sampling, *Temperature, DO, E. coli, TSS, TN, TP, eDNA, Pesticides* (LSWCD) 17/18
  - **2025 - 2030 Summer** Yachats Volunteer Water Temperature Monitoring, *Temperature* (LSWCD) 17/18
  - **2025 - 2030 Summer** eDNA Monitoring (MCWC) 17/18
  - **2025 - 2050** Central Coast Estuary Monitoring *Salinity, Temperature, DO, pH, Turbidity, Chlorophyll a* (MCWC) 17/18
  - DEQ will provide a detailed set of planned and proposed monitoring activities primarily for assessment, trends and TMDLs development once the 2024 Integrated Report is finalized.

# Work Plan Outline

## Bundle 5: Protect Critical Lands

- **Prioritized actions:**
  - Action#41 Protect critical lands within drinking water source areas through acquisition, conservation easements, or other tools that prevent degradation and/or impacts to source water quality.
  - Action#58 Acquire land, or obtain conservation easements, to protect critical land areas managed for water quality protection.
- **Gaps:**
  - Priority areas to be acquired
  - Availability of funding and technical assistance from DEQ, WRD
  - Capacity of local and regional land trusts
  - Specialists in forest management for water quantity and quality protection
- **Approach:**
  - Review Action Plan for already prioritized water protection areas
    - Source watersheds (Schooner Creek) Lincoln City watersheds
    - City of Toledo source watersheds
    - City of Yachats source watersheds
    - City of Newport (Big Creek)
    - Seal Rock Water District and source watersheds
    - City of Depoe Bay (N. Creek and Rocky Creek) source watersheds
  - Identify in existing reports/documents additional critical lands that need protection
  - Work with local groups to prioritize acquisitions and/or focal areas for protection
- **Resources:**
  - Source water protection map layers- DEQ
    - <https://oregonexplorer.info/content/oregon-drinking-water-protection-program-interactive-map-viewer?topic&ptopic>
  - Trees to Taps Science Review Working Papers (Section 3.25 effect of clearcutting on low flows).  
[https://site.oregonforests.org/sites/default/files/2020-06/Trees-To-Tap-Science-Review-Working-Papers\\_1.pdf](https://site.oregonforests.org/sites/default/files/2020-06/Trees-To-Tap-Science-Review-Working-Papers_1.pdf)

- **Proposed activities:**
  - Work with interested cities, land trusts, and others (e.g. Natural Resources Conservation Service) and DEQ, WRD to acquire lands or easements for conservation.
  - Prioritize new areas to acquire or complete conservation easements
  - Discuss and spread workload through different organizations that are capacity limited
  - Carry out actions previously identified conservation actions in priority areas including:
    - Conserve, through acquisition, easements or other agreements, key forested properties where long term upslope delivery of wood is of high likelihood due to the presence of slopes greater than 40%. Promote the development of large trees on these acres. These include 10 acres in Mill Creek (Siletz) basin, 296 acres in the Schooner Creek basin, 338 acres in Bear Creek Basin (Siletz), 992 acres in Lower Drift Cr. (Siletz), 493 acres in Cedar Creek basin (Siletz), and 404 acres in Upper Drift Cr. basin (Siletz).

# Work Plan Outline

## Bundle 6: Ecological Restoration

- **Prioritized actions:**
  - **Action#44 (priority A): Ecological Restoration**
    - Support restoration projects that involve diverse landowners and land management goals in locations that will achieve the greatest ecological returns on investment (e.g., cooler streams and improved summertime flows for sensitive species and to address water quality impairments).
  - **Action#46 (priority A): Riparian Restoration**
    - Advocate for the restoration and conservation of native riparian vegetation to facilitate large natural wood recruitment, maintain water quality, ensure ecological function, and produce habitat for aquatic species, including beavers.
  - **Action#49 (priority A): Beavers**
    - Protect beaver populations and encourage beaver pond creation, especially in critical areas with low summer flows.
  - **Action#50 (priority A): Ecological Restoration**
    - Design and implement restoration projects with partners to directly address impairments and improve conditions (e.g., erosion prevention and control, riparian and wetland buffers, urban tree protection).
  - **Action#51 (priority A): Restore hyporheic flow**
    - Evaluate the mechanisms and conditions for restoring hyporheic flows (the transport of surface water through sediments in flow paths that return to surface water) in the Mid-Coast using a suite of strategies (articulated in the Oregon Plan and other plans).
  - **Action#53 (priority A): Water Retention capacity**
    - Support projects that result in increased water retention capacity in channels, floodplains, and adjacent uplands and wetlands using a variety of strategies.
- **Gaps:**
  - Funding: available but limited, project specific
  - Action Lead Gap: Urban restoration projects may lack the connection to other conservation practitioners in the region that can inform that work.

- More of a challenge: FEMA flood zone/County floodplain permits and other regulatory hurdles (e.g. working with private landowners who are “ok” with restoring floodplain connection on their properties, but FEMA/counties won’t allow “rise” or only allows a small amount of rise (1-foot in Flood Zones “A”). Essentially, these projects are trying to cause local “rise”, storing more flood water in the upper watershed, but if these are FEMA mapped flood zones, the projects may not be possible because of permitting restrictions.
  - Comprehensive information and data about hyporheic flows, water retention capabilities is limited.
  - Challenge: LONG TERM benefits (e.g. planting trees for shade) can take 50-100 years to realize benefits, funders want short term impact that isn’t always possible.
- **Approach:**
    - Restoration practitioners continue to pursue projects that address priority actions and priorities set by local, state and federal agencies and partners to meet water quality and aquatic habitat goals.
    - Work to group actions to get benefits at a larger, sub-watershed scale
    - Focused outreach and educational workshops in conjunction with technical assistance on ecological restoration in basins with source water nexus (Siletz, Yachats, Schooner/Drift Creeks, etc)
    - Continue “mainstreaming” of beaver activities (building off Private Forest Accord, recent changes in permitting for beaver focused projects, support for trapping ban on federal lands).
    - Conduct outreach and education on the benefits of beavers, and technical assistance to interested stakeholders in the installation of beaver dam analogs and encouraging natural beaver recruitment.
  - **Resources:**
    - <https://www.midcoastwatersheds.org/natural-climate-solutions>
    - USFWS 2023 The Beaver Restoration Guidebook
    - ODFW 2022 3-Year Action Plan for Beaver-Modified Landscapes
    - National Wildlife Foundation 2019 A GUIDE TO ADVOCATING FOR BEAVER RESTORATION IN NATIONAL FOREST PLANS
    - Siletz Coho Business Plan SAP (link to final when available)
    - MCWC 1999 6th Field Assessment and Limiting Factors Analysis
      - <https://www.midcoastwatersheds.org/watershedassessments>
    - MCWC 2015-2040 Coho Life History Diversity Action Plan (no link)

- Lincoln SWCD 2024 Siletz National Water Quality Initiative Source Water Assessment
- USFS Climate Adaptation Library - Role of Beaver.  
<http://adaptationpartners.org/library.php> (search on “beaver”)
- **Proposed activities:**
  - Connect with local and regional strategic planning processes (Coho business plan SAP- Siletz (draft expected December 2024), Alsea (SAP process to start in January 2025)).
  - Pursue funding for priority projects that meet these ecological restoration goals, including:
    - Add large wood to Schooner Creek, both in the agricultural corridor, and in forested reaches upstream
    - Add large wood to the following Coho streams and stream reaches above source water intake sites identified as limiting in wood density: Cedar Creek Rm 0-10, Euchre Creek Rm 1-7, Thompson Creek Rm 0-0.5, Dewey Creek Rm 0-1.5, Bentilla Creek Rm 0-0.5, Long Tom Creek Rm 0-0.5, Whiskey Creek Rm 0-1.5, and Rock Creek Rm 0-10.
    - Further assess 66 miles of mainstem Siletz River riparian condition through Lincoln SWCD/OR Dept of Agriculture Streamside Vegetation Assessment (SVA)
    - Complete targeted riparian restoration outreach along 32 miles of mainstem Siletz as guided by SVA assessment results
    - In the Yachats basin, implement actions identified in Limiting Factors Analysis for NF Yachats, and implement actions previously identified in the Yachats River mainstem and SF Yachats River.
    - Add large wood and improve riparian condition in the North and South Beaver Creek (Ona Beach) watersheds above source water intake, increasing riparian buffers, stream complexity, and hyporheic flow.
    - Work with modelers from NOAA, Utah State University (Beaver Resource Assessment Tool BRAT), Bonneville Power Administration and others to model high priority beaver habitat areas on private and public property.
    - Living with beaver outreach and implementation- conduct landowner outreach to private and public landowners where high



beaver potential has been identified through various modeling efforts to educate about the importance of living with beaver and implement beaver habitat focused projects.

# Work Plan Outline

## Bundle 7: Instream Flow restoration

### Prioritized actions:

Action 54 (A): Restore Stream Flow: Determine ecological flows (seasonally varying flow targets and temperature-based flow targets), and identify basin-wide in-stream demands. Support development of additional instream water rights. Implement flow restoration efforts in high priority areas as determined by Instream Water Right Monitoring and other means (e.g., ODFW's Aquatic Habitat Prioritization) (OAR Chapter 690, Division 77).

Action 55 (A): Restore Stream Flow: Use established voluntary programs, or other tools, to convert existing water rights (e.g., irrigation, commercial use, other out-of-stream uses) to instream uses that protect critical flows needed to support the fish and wildlife, water quality, recreation, and scenic attraction.

Action 52 (B): Protect Stream Flow: Recommend limits on further appropriation of water on high priority streams where water available for meeting aquatic life needs (OAR Chapter 690, Div 500)

### Gaps:

- Unknown senior water right holders in biologically/hydraulically meaningful areas
- Unknown willingness of senior water rights holders to sell or lease rights
- Current funding available from State, but unknown longevity of source
- Unknown status of enforcement of water withdrawals by holders of water rights or identification of illegal withdrawals
- Unknown stream flows

### Approach: What steps to remove barriers

- Gather instream information already gathered in prior water planning partnership workshops
- Work with ODFW Instream flow biologist and OWRD to conduct analysis of water rights holders, their seniority, reliability, and identification of ecological/hydrological value of acquiring water rights
- Work with water master to understand status of metering and enforcement of water diversions
- Conduct outreach to prioritized water rights holders to determine willingness to sell or lease rights
- Engage with the City of Newport to assure instream flow restoration is part of the Big Creek Dam mitigation package (as promised in their testimony on HB 3211A in April 2023).
- Engage with ODFW Instream flow biologist on prioritized flow restoration projects
- Support ecological restoration actions for wood placement, floodplain and riparian restoration, beaver conservation to help restore instream flow for water quantity and quality.

- Support water conservation outreach efforts and message dissemination
- Support efforts to meter and measure all water diversions.
- Assure that Lincoln County Water Systems Alliance (LCWSA)'s goals to achieve "significant protections for the environment" while meeting regional needs includes guaranteed instream flow protections during summer and fall.

**Resources:**

- OR Department of Fish and Wildlife
- OR Watershed Enhancement Board
- OR Water Resources Department
- National Fish and Wildlife Foundation

**Proposed Projects:**

- Identify instream demands for new instream water rights. ODFW is identified as lead and funding is secured.
- Siletz Flow Restoration Analysis/Feasibility- analysis of acquiring upstream existing water rights to transfer instream in order to reduce pressure of water withdrawals and increase legally protected instream flow. No project lead has been identified and grant opportunities will need to be assessed for funding.
- Protect Stream Flow: Recommend limits on further appropriation of water on high priority streams where water available for meeting aquatic life needs (OAR Chapter 690, Div 500) in Seal Rock's Water Management and Conservation Plan, the Water Master Plans of the City of Newport, City of Lincoln City and Seal Rock Water District, and the LCWSA's 50-year plan in order to achieve 'significant protections for the environment. Leads may include the LCSWA, Lincoln County cities/water districts and Mid-Coast Water Planning Partnership members. Various funding sources, some secured. See Master Project Smartsheet, Projects 2, 48, 49, 50 and 51.

# Work Plan Outline

## Bundle 8: Meters

- Prioritized actions:
  - 14 - Implement more efficient advanced metering infrastructure to enable faster identification of leaks and shortages, and support best practices for water providers to meet industry standards for documenting water loss
  - 28 - Support upgrading and maintaining water metering system infrastructure, where possible. Note: Automated read systems (not SMART) can be installed at reduced cost.
- Gaps:
  - All actions in this bundle have at least one associated project, but efforts can be expanded for each of the actions, such as by more water providers implementing upgraded Automatic Meter Reading (AMR) or Advanced Metering Infrastructure (AMI) systems
- Approach:
  - Help Mid-Coast water providers become aligned in their knowledge of industry best practices and standards for metering infrastructure and water loss control practices. Support water providers in implementing upgraded meter infrastructure and improved water loss tracking across the region.
  - Support water providers by:
    - Connecting water providers with each other and with resources on industry best practices (e.g., manuals, potential events/workshops) to enhance and align education
    - Providing water providers with ideas about funding resources for meter infrastructure upgrades and possibly pooling funding resources (such as through Mid-Coast Water Conservation Consortium)
- Resources:
  - Oregon Water Resources Department (OWRD): Water Projects Grants and Loans
  - United States Department of Agriculture (USDA) Rural Development: Water and Waste Disposal Loan and Grant Program (*fully funded Seal Rock Water District's AMI project*)
  - Oregon Health Authority (OHA): Drinking Water State Revolving Fund (low-cost loans, funded through the Safe Drinking Water Revolving Loan Fund)
    - Infrastructure Projects
      - AMR/AMI projects are listed as eligible
  - Oregon Department of Environmental Quality (DEQ): Clean Water State Revolving Fund Program

- Bureau of Reclamation Water Smart Program
  - Small-Scale Water Efficiency Projects
    - 50/50 cost share funding for small water efficiency improvement projects identified through previous planning efforts (e.g., installation of flow measurement or automation in a section of a water delivery system, etc.)
  - Water and efficiency Projects
- American Water Works Association (AWWA) resources, including:
  - Water Loss Control Program:
    - Manual of Water Supply Practices M36, Water Audits and Loss Control Programs
    - AWWA Water Audit Software
- Proposed activities:
  - Partnership
    - Provide resources and synthesize information for Mid-Coast water providers on the differences between AMR and AMI and situations where either could be beneficial
    - Provide updated resources and synthesize information for water providers on industry standards for water loss tracking and audits (mainly using AWWA standards)
    - Help water providers identify areas to improve water loss tracking in their systems
    - Share information about applicable funding opportunities for metering infrastructure upgrades and water loss audit programs
    - Track which providers have AMR or AMI systems, which have plans to implement upgrades, and progress of implementation plans, which could help identify opportunities for implementation in the region
    - Hold meetings or provide digital forums (e.g., group emails, Partnership website updates, etc.) for water providers to share information and strategies for improving metering infrastructure and water loss audits
    - Continue tracking which water providers are required to do Water Management and Conservation Plans (WMCPs) and updating this list on the Partnership website and request copies of WMCPs
  - Water providers (individually)
    - Expand knowledge on AMR and AMI systems (through Partnership support) and investigate upgrading water meter systems to AMR or AMI
    - Expand knowledge on industry standards for water loss tracking (through Partnership support), and assess areas to improve water loss tracking in water systems

- Update WMCPs (if required) and Water System Master Plans (WSMPs) or similar plans, and integrate upgrading metering infrastructure and improving water loss tracking in the planning process
- Apply for funding and implement meter infrastructure projects and water loss audits



# Attachment D

## UPDATED PARTNERSHIP CHARTER

Mid-Coast Water Planning Partnership

Funding for the Prioritization Project and Early Implementation Work Plan was provided by the Oregon Water Resources Department through an American Rescue Plan Act (ARPA) grant.



October 2024







## Mid-Coast Water Planning Partnership

# CHARTER

This **Charter** defines the purpose and goals of the Mid-Coast Water Planning Partnership and memorializes how the members agree to work together.

Adopted 3-29-17

Revised 5-30-18

Revised 10-22-2024

By the Mid-Coast Water Planning Partnership

<p><b>Mission / Purpose</b></p> <p><i>Defines the overall mission or purpose of the Partnership.</i></p>	<p>The purpose of the Mid-Coast Water Planning Partnership is to develop an inclusive community forum which examines water use in the region, identifies current and potential water challenges, and creates and supports implementation of a unified plan to balance water needs.</p>
<p><b>Goals</b></p> <p><i>Defines the primary goals that will guide the work of the Partnership.</i></p>	<p>Work collaboratively to develop and support implementation of a Water Action Plan consistent with the Oregon Integrated Water Resources Strategy that:</p> <ul style="list-style-type: none"> <li>• Protects the environment and ensures healthy watersheds.</li> <li>• Balances the needs of our ecosystems, our economies, and our communities when supporting implementation of the Water Action Plan as a whole.</li> <li>• Creates sustainable systems that are resilient to climate change and natural hazards.</li> <li>• Provides ongoing education on the values of our water resources.</li> <li>• Supports stewardship of our water resources.</li> <li>• Secures the financial, technical, and practical resources needed to further these goals.</li> </ul>
<p><b>Guiding Principles / Shared Values</b></p> <p><i>Identifies the key principles or values that will guide how the members work together as a Partnership.</i></p>	<p>The following principles guide how we will work together.</p> <ul style="list-style-type: none"> <li>• Partnership. We recognize different perspectives and seek common ground to develop strategies that meet our collective needs.</li> <li>• Transparency. We create an inclusive process to openly share information and interests, invite curiosity, and encourage dialogue.</li> <li>• Innovation. We bring our best ideas and information to the table and explore innovative, out-of-the box solutions.</li> <li>• Commitment. We act in good faith to support the success of the Partnership in developing strategies that are in the best interest of the region.</li> <li>• Flexibility. We are open to new ideas and approaches and will adapt our process or approach to fit the needs of the Partners.</li> <li>• Action. We seek practical near-term actions as well as longer term strategies consistent with our goals.</li> <li>• Clarity. We commit to expressing all of our findings in the simplest and clearest form possible.</li> </ul>

<p><b>Vision</b></p> <p><i>Defines the aspirational future that the Partnership hopes to accomplish.</i></p>	<p>Regional partners ensuring balanced water resources for the environment, the economy, and coastal communities.</p>
<p><b>Membership</b></p> <p><i>Defines Membership of the Partnership.</i></p>	<p>The Partnership is a voluntary association that actively seeks to include diverse perspectives, interests, and expertise regarding water issues on the Mid-Coast. Organizations or individuals may join the Partnership at any time by agreeing to the terms of the Charter. The Partnership will seek to include, but not be limited to, representation and input from the following categories:</p> <ul style="list-style-type: none"> <li>• Municipal water providers</li> <li>• Special districts/water districts</li> <li>• Industrial water users</li> <li>• Local businesses and economic development organizations</li> <li>• Coastal residents, rural homeowners, and landowners</li> <li>• Conservation/environmental organizations</li> <li>• Timber/forestry groups</li> <li>• Agricultural groups</li> <li>• Fishing groups</li> <li>• Recreation groups</li> <li>• Academic/scientific community</li> <li>• City and county governments</li> <li>• State and federal agencies</li> <li>• Tribes</li> <li>• Elected officials</li> </ul> <p>A current listing of Partnership members will be maintained on the website at <a href="http://www.midcoastwaterpartners.com">www.midcoastwaterpartners.com</a></p>
<p><b>Structure and Function</b></p> <p><i>Defines structure and roles of groups within the Partnership.</i></p>	<p><b>Planning Partnership:</b> Broad group of participants that commit to work collaboratively to identify current and future water challenges, to develop a Water Action Plan to meet current and future instream and out-of-stream water needs, and to support implementation of that plan. The Planning Partnership provides strategic direction and guidance to the Coordinating Committee and sub-groups and makes decisions about how to support implementation of the Water Action Plan. Members of the Planning Partnership will:</p> <ul style="list-style-type: none"> <li>• Actively participate in meetings of the full Partnership.</li> <li>• Contribute data and information when requested.</li> <li>• Work to build community and statewide awareness and support.</li> <li>• Make decisions about contents of the Plan and how to support</li> </ul>

implementation of the Plan.

- Contribute resources to help sustain the Partnership.
- Support implementing actions in the Plan as appropriate, such as by assisting with coordination, suggesting funding sources, and sharing technical and local knowledge.

**Charter Signatories:** Individuals and organizations that have signed the Charter, enabling their position to be considered as part of the Partnership's consensus decision-making process.

**Coordinating Committee:** Diverse group representing a range of Partnership perspectives whose primary purpose is to coordinate and support the efforts of the Partnership. The Coordinating Committee is made up of up to 15 Partners, including the Conveners, who work between Partnership meetings to provide input to ensure that diverse interests are included, identify potential issues and opportunities, gather information, frame issues for discussion by the Partnership, and actively create planning and implementation processes that balance interests. Members of the Coordinating Committee will:

- Draw upon their expertise to help prepare information for discussion by the Planning Partnership.
- Solicit diverse points of view, listen to ideas that are not their own, and represent a broad range of perspectives.
- Make decisions about the planning process and may make content or technical recommendations to the Planning Partnership.
- Make recommendations for and review proposals for grant funding related to Partnership capacity and coordination.
- Review the Partnership's annual fiscal plan and provide recommendations as needed.
- Review quarterly financial reports for grants related to internal Partnership funding, which shall be submitted by the Project Team, and provide recommendations as needed.
- Review and approve any fiscal changes greater than \$5,000.
- Review prepared grant reports related to internal Partnership funding to identify errors or omissions prior to submission to the grantor.

Initial membership of the Coordinating Committee was established by soliciting volunteers to represent a cross-section of the Partnership. When a vacancy occurs on the Coordinating Committee, the Project Team, Coordinating Committee members, and Partnership members will be notified and can recommend a replacement for the Committee's consideration and approval. Coordinating Committee meetings are limited to Committee members and guests invited to provide information or perspectives.

**Project Team (PT):** The Project Team includes the Conveners (striving for at least two), Partnership Coordinator, as well as technical consultants. The Project Team carries out administrative processes, prepares and maintains an annual fiscal plan, and submits quarterly financial reports to the Coordinating Committee. In alignment with decisions of the Coordinating Committee, the Project Team plans and manages Plan implementation support processes. This includes planning meetings and preparing materials and meeting notes to support the work of the Partnership, the Coordinating Committee, and Sub-groups. The Project Team may also recommend Partners to serve on the Coordinating Committee to represent a cross-section of the Partnership.

As the needs of the Partnership evolve over time, Convener organizations or personnel may change. In such cases, the Project Team will recommend changes to the Coordinating Committee for their consideration. The Coordinating Committee may consult the Partnership or appropriate Sub-Group before making a decision.

**Partnership Convener:** A Partnership Convener serves as an anchor of the Partnership and as an ambassador of its activities while remaining impartial to any particular outcomes. The role involves promoting a collaborative and inclusive process in Partnership activities, bringing people together to address water issues in the Mid-Coast region, and ensuring that processes progress in a manner that supports the goals and objectives of the Mid-Coast Water Action Plan and in a manner consistent with this Charter. To that end, with the approval of the Coordinating Committee, the Convener may engage and direct support staff and contractors on behalf of the Partnership. The Convener will be supported by administrative staff and technical consultants as feasible. The Convener’s role is essential to achieving the Partnership’s vision and mission of developing an inclusive community forum of regional partners that balances water needs for the environment, economy, and coastal communities.

**Sub-groups:** Topic-specific sub-groups may be organized by the Coordinating Committee as needed to work on specific aspects of the Plan, provide Plan implementation support, and/or assist in communication and outreach. Sub-groups may present information and make recommendations to the Coordinating Committee for consideration by the Partnership. Sub-groups will be made up of Partners as well as others who have relevant expertise and or interest in the topic(s) being discussed.

<p><b>Decision Making</b>  <i>Identifies the decision making protocol to be used and addresses how lack of agreement will be handled.</i></p>	<p>The Partnership intends to provide an inclusive, transparent forum to identify opportunities and resolve issues in the collective interests of the Partnership. The Partnership will make decisions in the spirit of consensus using a collaborative process that engages all viewpoints</p> <p><b>Definition: Consensus</b> is a decision-making process in which group members develop and agree to support a decision in the best interest of the whole. A practical definition of consensus is:</p> <ul style="list-style-type: none"> <li>• The parties have had an opportunity to share and understand all viewpoints.</li> <li>• The parties have reached a ‘meeting of the minds’ sufficient to make a decision and carry it out.</li> <li>• Once agreement has been reached, the Partners are committed to supporting the decision or refraining from blocking or disparaging it.</li> </ul> <p>Consensus on a decision about a project, recommendation, or action the Partnership plans to take will be reached when all members can make one of the following statements about the decision:</p> <ul style="list-style-type: none"> <li>• I agree with the decision and will publicly support it.</li> <li>• I agree with the decision but will refrain from publicly supporting it.</li> <li>• I can live with the decision and won’t disparage it in public or stand in the way of its implementation.</li> </ul>
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**Consensus Decision Making Process:**

- While anyone may participate in meetings and deliberations of the Partnership or any working groups that have been established, only persons signing the Charter may participate in Partnership decision making.
- Partnership members are encouraged to attend meetings. If this is not possible, members may designate an alternate to attend a meeting and contribute to discussions on their behalf. Alternates must sign the Charter and the name of the alternate should be conveyed to the Project Team prior to the meeting. It is incumbent upon the Member to ensure that the alternate can accurately convey their position. It is also incumbent upon the person representing an organization to accurately convey the position of the organization they represent.
- A formal ‘voting’ process will not be used. However, depending on complexity of the issue, appropriate process tools will be used to test for consensus, such as:
  - Red, Yellow, Green cards
  - Thumbs up, thumbs down, neutral
  - Ranking on a scale of 1 – 5
  - Priority ranking
  - Show of hands (can be done with eyes closed or open)
- Each entity represented in the Partnership has one ‘voice’. If there are multiple individuals representing an entity, they must select one person amongst them to speak on behalf of the entity.
- The Partnership will endeavor to allow reasonable time for members to discuss interests and solicit perspectives of constituents prior to calling for a final decision.
- Substantive decisions will not be made at meetings where the spectrum of Partners is not present, based on the Conveners’ review of attendance. The group may make tentative decisions at such meetings and follow up via e-mail, or may delay decisions until a spectrum of Partners is available.

**If Consensus is NOT reached**, the following process will be used to resolve the issue:

**A. If time is available: Continue to work on the issue using one of the following:**

- Continue to discuss during the meeting – revisit previous steps in the process to consider all aspects of the issue.
- Provide opportunity for dissenting members to provide constructive alternatives to meet everyone’s needs.
- Refer the issue to a sub-group for further study and discussion; then report back to Partnership at a subsequent meeting and re-test for consensus.
- A special virtual meeting of the Partnership may be called preferentially.

**B. If time is NOT available (i.e., if goals of project would be compromised):**

- Refer to Coordinating Committee to determine how to handle the issue.
  - Coordinating Committee may table, study further, narrow options, or select a preferred option to recommend to the Partnership.
  - Coordinating Committee reports recommendation back to the Partnership, including a description of all alternatives, and a further attempt is made to reach consensus.
- If consensus is still not reached after extensive effort, a decision may still be reached by agreement of a three quarters (75 percent) majority of the Partnership and recorded as such. This may be done at a special virtual meeting of the Partnership.

**Recording Decisions:**

The meeting notes and final report will reflect:

- Items on which the decision was reached by consensus of the Partnership.
- Items on which contentious consensus was reached, in which case Partners will be given the opportunity to prepare “Minority” and “Majority” reports and facilitators will outline the main points of disagreement for the record.
- Items on which there are mixed opinions and the Partnership concluded it could not reach consensus or come to a decision.

**Modifying Decision:**

Decisions reached by consensus will not be revisited or modified unless:

- Significant new ecological, economic, or social information that may affect the decision becomes available, and
- The Partnership comes to consensus to revisit the decision in light of new information or perspectives, or
- The decision is provisional and intended to be reviewed at a future date, in which case this intent will be noted in the meeting notes.



<p><b>Member Responsibilities</b></p> <p><i>Identifies the responsibilities that the members commit to.</i></p>	<p>Success of the Partnership relies on good faith efforts of the members to fulfill the provisions of the Charter and the contents of the Plan. Members of the Partnership, Coordinating Committee, and Sub-groups agree to:</p> <ul style="list-style-type: none"> <li>• Make every effort to attend meetings, or arrange for another representative to attend and speak on their behalf.</li> <li>• Review meeting notes and materials in advance of meetings.</li> <li>• Participate in meetings and express the views of the organization and constituents they represent (i.e. stakeholders, members and colleagues of the entity they represent).</li> <li>• Keep their constituents informed about the Partnership’s work and seek their input to facilitate understanding and support of decisions made by the Partnership.</li> <li>• Engage in respectful, constructive dialogue with other members.</li> <li>• Seek creative resolution of differences and work to bridge gaps in understanding to achieve consensus.</li> <li>• Refrain from making negative comments about decisions that were reached by consensus.</li> <li>• Direct their activities toward ultimately fulfilling the Charter’s Mission/Purpose and Goals.</li> </ul>
<p><b>Meeting Protocol</b></p> <p><i>Defines how the meetings of the Partnership will be conducted.</i></p>	<p><b>Meeting Schedule:</b></p> <ul style="list-style-type: none"> <li>• Meeting schedules will be maintained online at <a href="http://midcoastwaterpartners.com/meeting-materials/">http://midcoastwaterpartners.com/meeting-materials/</a></li> </ul> <p><b>Record Keeping:</b></p> <ul style="list-style-type: none"> <li>• Partnership and Coordinating Committee Meetings: <ul style="list-style-type: none"> <li>○ Decisions and key action items will be recorded on flip chart or displayed on screen by a Project Team member during the meeting.</li> <li>○ A ‘Parking Lot’ of unresolved or tangential issues will be maintained by a Project Team member and displayed at the meeting(s).</li> <li>○ Notes will be taken by a Project Team member and will be posted on the Partnership website by a Project Team member no later than two weeks following each meeting.</li> <li>○ Notes from the prior meeting will be reviewed at the beginning of the next meeting and any clarifications or corrections will be resolved.</li> </ul> </li> <li>• Project Team meetings and Sub-Group meeting notes will be taken by a member of the group and will be submitted to the Conveners within two weeks of the meeting.</li> <li>• Attendance will be listed in all meeting notes.</li> </ul>

	<p><b>Meeting Guidelines (i.e., Ground Rules):</b></p> <p>All members agree to abide by the following guidelines for effective meetings:</p> <ul style="list-style-type: none"> <li>• <b>Focus on the future.</b></li> <li>• Recognize that we are a system - work in a spirit of togetherness.</li> <li>• Respect all viewpoints - allow others to be heard.</li> <li>• Engage in collaborative discussion – seek win-win solutions.</li> <li>• Strive for understanding – ask for clarification when needed.</li> <li>• Be patient.</li> <li>• Start/stop on time.</li> <li>• Silence electronics.</li> <li>• When speaking, identify yourself and all organizations you represent.</li> </ul>
<p><b>Communication</b></p> <p><i>Identifies the basic communication protocols to be used by the Partnership. A separate, more detailed Communication, Education and Outreach Plan will be developed by a Sub-group of the Partnership.</i></p>	<p><b>Meeting Announcements:</b></p> <ul style="list-style-type: none"> <li>• Partnership meetings will be announced at least two weeks in advance via email and posting on the Partnership website at <a href="http://www.midcoastwaterpartners.com">www.midcoastwaterpartners.com</a>. If circumstances require scheduling a meeting on short notice, the Conveners will endeavor to announce the meeting as soon as possible.</li> <li>• Meeting agendas will be sent via email and will be posted on the Partnership website at least one week in advance.</li> </ul> <p><b>News Media:</b></p> <ul style="list-style-type: none"> <li>• Any formal announcements, including news releases, that represent the full Partnership will be reviewed and approved by the Conveners.</li> <li>• All meetings of the Partnership are open to the news media.</li> <li>• Outside of meetings, members may make statements to the media regarding their own opinions and consensus decisions by the Partnership; however, they agree not to attribute statements to others involved in the process or claim to represent the interests or views of others.</li> <li>• Members of the Partnership are encouraged to inform one of the Conveners if they intend to be, or have been, interviewed by the media about the Partnership.</li> <li>• If a media article or report inaccurately represents a member’s statement, that individual should inform the Partnership as soon as possible.</li> </ul>

<p><b>Charter Modifications</b></p> <p><i>Defines the process and authority for making modifications to the Charter.</i></p>	<p>To ensure that the process is meeting the intended mission of the Partnership, the Coordinating Committee will review the Charter periodically to evaluate how it is functioning and may propose modifications for consideration by the Partnership. Modifications may be proposed and approved at any regular meeting by a consensus decision of the Partnership.</p>
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