

SEAL ROCK WATER DISTRICT
Board of Commissioners
Regular Monthly Board Meeting Agenda
Thursday, April 11, 2024, @ 4:00 p.m.
Public Meeting by Zoom Video Conference

SRWD will conduct this meeting using Zoom video conferencing due to the restricted capacity for in-person gatherings and our commitment to prioritize the safety of the public and our employees. We strongly encourage the public to participate in this meeting electronically. To access further information, including registration details, please visit the SRWD website at www.srwd.org on the day of the meeting. We invite members of the public to submit written comments regarding agenda items by emailing tkarlsen@srwd.org no later than 2:00 p.m. on the day of the meeting. Submitted comments will be shared with the SRWD Board of Commissioners and will become part of the permanent record.

- **Call Regular Meeting to Order:**

- **Announcements/Visitor Public Comments:**

The public comment period provides the public with an opportunity to address the Commissioners regarding items on the agenda. Please limit comments to (3) minutes.

- **Consent Calendar:**

Managers' reports included under the consent calendar are an executive summary provided to Commissioners as an update of system conditions, projects, and programs. Management welcomes your feedback and requests more detailed information regarding any item before or during the meeting:

- | | |
|---------------------------------------|--------------------------|
| ● Invoice List | March 2024 to April 2024 |
| ● Board Meeting Minutes | March 14, 2024 |
| ● Financial Report / Approve Invoices | March 2024 to April 2024 |
| ● USDA PMR Phase IV No. 43 | April 11, 2024 |
| ● General Manager's Monthly Report | March 2024 to April 2024 |

- **Discussion and Information Items:**

- Consider Primary Source Water Project.
Presented by: Adam Denlinger, General Manager
Jeff Hollen, SRWD General Counsel
- Consider providing staff direction regarding rate adjustment for 2024 - 2025.
Presented by: Adam Denlinger, General Manager
Joy King-Cortes, SRWD Office Manager

- **Decision Items:**

- Consider approving the Scope of Services from GSI Water Solutions for Continued Streamflow and Temperature Monitoring.
Presented by: Adam Denlinger, General Manager
- Consider authorizing the district to adopt a resolution for funding through the Department of Environmental Quality (DEQ), Clean Water State Revolving Fund (CWSRF) to develop a Drinking Water Protection Plan and Authorize the General Manager, or designee to execute the funding agreement on behalf of the district.
Presented by: Adam Denlinger, General Manager
- Consider approving Amendment No. 6 of EJCDC Owner Engineers Agreement.
Presented by: Adam Denlinger, General Manager

- **Reports, Comments, and Correspondence:**

- SRWD Annual Budget Committee Meeting April 18, 2024, at 6:00 PM
- Oregon Health Authority (OHA) Water Testing Scam Community Advisory.
- Mid-Coast Watershed Council (MCWC) 25-year Celebration Report.

- **Executive Session: according to ORS 192.660(2), Concerning:**

The SRWD Board may meet in Executive Session, pursuant to ORS 192.660(2)(h); To consult with legal counsel concerning the legal rights and duties of a public body with regard to current litigation or litigation likely to be filed. Representatives of the news media and designated staff shall be allowed to attend the executive session. All other members of the audience are asked

ORIGINAL

Report Criteria:

- Detail report.
- Invoices with totals above \$0 included.
- Paid and unpaid invoices included.

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
01-1310				
LARRY WATTS	031524	Refund Overpayment - Leak Adjustment	03/15/2024	372.05
Total 01-1310:				372.05
Grand Totals:				372.05

Dated: MARCH 15, 2024

General Manager: A. Nish

Dated: _____

Treasurer: _____


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Report Criteria:


- Detail report.
- Invoices with totals above \$0 included.
- Paid and unpaid invoices included.

ORIGINAL

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
01-1310				
DANIEL ORTIZ	031924	Refund Overpayment Final Bill	03/19/2024	100.27
Total 01-1310:				100.27
01-5271				
CHARTER COMMUNICATIONS	001293703192	Internet (Office)	03/19/2024	134.98
Total 01-5271:				134.98
01-5272				
AT&T MOBILITY	03232024	Wireless	03/15/2024	198.61
Total 01-5272:				198.61
01-5274				
AT&T MOBILITY	03232024	Wireless WTP	03/15/2024	51.49
Total 01-5274:				51.49
01-5291				
US POSTAL SERVICE - WALDP	032224	Bulk Mailing	03/22/2024	910.57
Total 01-5291:				910.57
01-5605				
CASCADE COLUMBIA DISTRIBU	887559	Sodium Permanganate 20% NSF (530 lb drum)	03/18/2024	1,378.00
CASCADE COLUMBIA DISTRIBU	887559	Freight	03/18/2024	791.09
CASCADE COLUMBIA DISTRIBU	887559	Environmental Surcharge	03/18/2024	35.00
CASCADE COLUMBIA DISTRIBU	891021	Container Return - Credit Memo	03/13/2024	900.00-
CASCADE COLUMBIA DISTRIBU	891021	Container Return - Credit Memo	03/13/2024	800.00-
CASCADE COLUMBIA DISTRIBU	891021	Freight	03/13/2024	235.00
USA BLUE BOOK	INV00294329	Hach RoVer® Rust Remover, 454 g, 30001;	03/04/2024	28.55
Total 01-5605:				767.64
01-5610				
CENTRAL LINCOLN P.U.D.	032024	Utility Services	03/20/2024	2,921.87
Total 01-5610:				2,921.87
01-5611				
CENTRAL LINCOLN P.U.D.	032024	WTP Utility Services	03/20/2024	1,973.08
Total 01-5611:				1,973.08
01-5629				
ABOVEBOARD ELECTRIC, INC.	101224	Water Plant: Labor - Journeyman Electrician - Disconnected & installed 1 of 3 CIP h	03/19/2024	797.50
ABOVEBOARD ELECTRIC, INC.	101224	CAT Surcharge	03/19/2024	4.55
CHROMALOX INC	1965613	Shipping & Handling	01/08/2024	71.34
CHROMALOX INC	1972019	Shipping & Handling	02/09/2024	67.43
CHROMALOX INC	1975963	CIP Skid Heat Element EMTI-3180E4TPXX 480V,3P,1	02/29/2024	2,206.00
CHROMALOX INC	1975963	Shipping & Handling	02/29/2024	47.72

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
CREATIVE LANDSCAPE & MAIN	1145-1579	Backflow Test / WTP & Intake	03/17/2024	180.00
Total 01-5629:				3,374.54
Grand Totals:				 10,433.05

Dated: 3-26-24

General Manager: 

Dated: _____

Treasurer: _____

Report Criteria:

- Detail report.
- Invoices with totals above \$0 included.
- Paid and unpaid invoices included.

Report Criteria:

- Detail report.
- Invoices with totals above \$0 included.
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ORIGINAL

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
01-1310				
SARA VANDEHEY	032624	Refund Overpayment Final Bill	03/26/2024	7.75
Total 01-1310:				7.75
Grand Totals:				7.75

Dated: MARCH 27, 2024

General Manager: A. Nish

Dated: _____

Treasurer: _____

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ORIGINAL

Report Criteria:

- Detail report.
- Invoices with totals above \$0 included.
- Paid and unpaid invoices included.

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
01-2520				
GSI WATER SOLUTIONS INC.	00500.017-12	MCWPP: Water Action Plan Prioritization & Early Implementation Steps Support 1	01/10/2024	7,553.13
GSI WATER SOLUTIONS INC.	00500.017-13	MCWPP: Water Action Plan Prioritization & Early Implementation Steps Support 1/	02/13/2024	12,796.25
GSI WATER SOLUTIONS INC.	00500.017-14	MCWPP: Water Action Plan Prioritization & Early Implementation Steps Support 2/	03/12/2024	11,865.76
LINCOLN SOIL & WATER	031324	MCWPP Partner Reimbursement	03/13/2024	1,140.00
MCKENZIE RIVER TRUST	013024	MCWPP Partner Reimbursement	01/30/2024	30.00
MCKENZIE RIVER TRUST	013024	MCWPP Partner Reimbursement	01/30/2024	120.00
Total 01-2520:				33,505.14
01-5271				
CENTURYLINK	032524	Toledo Pump Station SCADA	03/25/2024	70.95
PIONEER CONNECT TELEPHO	040124	Telephone Services/Internet	04/01/2024	1,601.39
Total 01-5271:				1,672.34
01-5273				
PIONEER CONNECT TELEPHO	040124	WTP Telephone Services/Internet	04/01/2024	204.59
Total 01-5273:				204.59
01-5310				
TCB SECURITY SERVICES INC.	245134	Base Monthly Account Fee	04/01/2024	45.00
TCB SECURITY SERVICES INC.	245134	Level 1 (No included calls)	04/01/2024	1.85
Total 01-5310:				46.85
01-5633				
CEDAR CREEK QUARRIES, INC	0128967-IN	Crushed Rock	03/12/2024	41.15
CEDAR CREEK QUARRIES, INC	0128967-IN	Crushed Rock	03/12/2024	50.82
Total 01-5633:				91.97
01-5634				
ANALYTICAL LABORATORY GR	165460	Coliform, Presence/Absence by SM 9223 B-18 (ALG) 3/13/24	03/15/2024	392.00
ANALYTICAL LABORATORY GR	165460	Pickup Newport WTP	03/15/2024	17.00
ANALYTICAL LABORATORY GR	165803	Disinfection By-Products 3/13/24	03/27/2024	640.00
Total 01-5634:				1,049.00
Grand Totals:				36,569.89

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
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Dated: APRIL 2, 2024

General Manager: A. Rubin

Dated: _____

Treasurer: _____

Report Criteria:
Detail report.
Invoices with totals above \$0 included.
Paid and unpaid invoices included.

ORIGINAL

Report Criteria:

- Detail report.
- Invoices with totals above \$0 included.
- Paid and unpaid invoices included.

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
01-5064				
GLEN MORRIS	173	Stipend	04/11/2024	50.00
KAREN OTTA	89	Stipend	04/11/2024	50.00
PAUL HIGHFILL	34	Stipend	04/11/2024	50.00
ROB MILLS	172	Stipend	04/11/2024	50.00
SAUNDRA MIES-GRANTHAM	172	Stipend	04/11/2024	50.00
Total 01-5064:				250.00
Grand Totals:				250.00

Dated: APRIL 8, 2024

General Manager: A. W. W. W.

Dated: _____

Treasurer: _____

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**1SEAL ROCK WATER DISTRICT
MINUTES OF THE
Regular Board Meeting
by Zoom Conference Call and In Person
March 14, 2024**

Introduction to Remote Meeting:

SRWD held this meeting through Zoom video conferencing. Due to the limited capacity for in-person meetings, the public was encouraged to attend the meeting electronically.

Present:

Commissioner Sandra Mies-Grantham was present on the Zoom Conference Call. Present in person in the board room were Commissioner Rob Mills, Board President; Commissioner Paul Highfill, Member, Commissioner Glen Morris, Member; and Attorney Jeff Hollen, Legal Counsel. Staff: Adam Denlinger, General Manager; Joy King-Cortes, Office/Finance Manager; Trish Karlsen, Bookkeeper; and Brad Wynn, Lead Operator

Excused Absences: Commissioner Karen Otta

Call Regular Meeting to Order:

President Rob Mills called the regular board meeting to order 4:00 p.m., Thursday, March 14, 2024, and introduced the commissioners and staff present in the board room. No member of the public was in attendance in person. Present in Zoom was John French.

Announcements/Public Comments:

President Rob Mills asked if there were any announcements. Commissioner Sandra Mies-Grantham had no announcement; Commissioner Paul Highfill had no announcement; Commissioner Glen Morris had no announcement; General Manager, Adam Denlinger had no announcement; Joy King-Cortes, Office/Finance Manager announced that there is an updated Financial Report for the meeting; Trish Karlsen, Bookkeeper had no announcement; Attorney Jeff Hollen had no announcement; Brad Wynn, Lead Operator had no announcement; and President Rob Mills had no announcement.

Public Comments:

President Rob Mills asked John French who attended through Zoom if he had a comment and he responded that he had no comment.

Consent Calendar:

Items on the consent calendar are the February/March 2024 Invoices List for approval; the February 15, Regular Board Meeting minutes; the February/March 2024 Financial Report; USDA Project Monitoring Report No. 42; and the General Manager's Monthly Report. President Rob Mills asked if each commissioner reviewed the consent calendar items. Commissioner Glen Morris answered YES; Commissioner Sandra Mies-Grantham answered YES; Commissioner Paul Highfill answered YES. Commissioner Paul Highfill motioned to approve the consent calendar. Commissioner Sandra Mies-Grantham seconded the motion. The motion passed with 3 YES votes and 0 NO votes, and Commissioner Glen Morris abstained from voting since he was not present at the February 15 board meeting.

Discussion and Information Items:

Primary Source Water Project Update:

The Water Treatment Plant operators were successful at installing another new heater rod to one of the three heater elements used in the Clean in Place (CIP) process. Several modifications have been made to the programming and performance of the WTP Filter Skids by WesTech during the week-long performance visit to the WTP. Before the modifications it took 8 hours to do the CIP process and now it only takes 45 minutes to complete the CIP process. It took 3-4 days to fill up the water tank before the modifications, now it only takes half a day. The WTP is now programmed to start and stop at Clearwell level in an automated condition, as most WTP do, and would benefit from longer run-times at lower flow rates. Many other adjustments to the treatment process were performed and performance testing and monitoring will continue for several weeks. In all, the weeklong performance testing of WesTech equipment was overwhelmingly successful.

Decision Items:

Leak Adjustment Amendment:

The freezing weather in February caused broken pipes for 4 customers, one from South Bay Road, 3 from 130th Drive, and 1 from 98th Street. Only two customers qualified for a leak adjustment. The current SRWD Leak Adjustment Policy was adopted on October 13, 2005, and revised on February 12, 2009. The Leak Adjustment Policy calculation was based on the cost of water purchased from the City of Toledo which is no longer applicable since the district's water treatment plant is now producing water. Staff presented an updated draft Leak Adjustment Policy for approval. Commissioner Glen

66 Morris motioned to approve the updated Leak Adjustment Policy. Commissioner Paul Highfield seconded the motion. The
67 motion passed 4 – 0.
68

69 **Reports, Comments, Correspondence:**

70 **The GM Performance Review** is scheduled for June 2024. The performance review packet will be sent electronically to
71 each commissioner and paper versions are also available. President Robert Mills explained that the GM performance
72 review will be done by each commissioner by completing the GM Performance review form and President Mills will
73 consolidate them into one form. The employee performance evaluation by the managers was also discussed. Most of the
74 employees' evaluations need to be done by July 2024.

75 **The SRWD Annual Budget Committee Meeting** is scheduled for April 18, 2024, at 6:00 pm.

76 It was the consensus of the board to schedule the September board meeting on September 19 to accommodate the GM's
77 schedule who will be out of the office on September 10,11, and 13 to attend the arbitration.
78

79 **Recessed Regular Session to go into Executive Session:**

80 President Rob Mills recessed the regular session at 4:24 p.m. to go into Executive Session, pursuant to ORS
81 192.660(2)(h); To consult with legal counsel concerning the legal rights and duties of a public body regarding current
82 litigation or litigation likely to be filed. Representatives of the news media and designated staff shall be allowed to attend
83 the executive session. All other members of the audience were asked to leave the room and sign off from Zoom.
84 Representatives of the news media are specifically directed not to report on any of the deliberations. No final decisions
85 shall be made in the Executive Session.
86

87 **Adjourned the Executive Session/Reconvened Regular Board Meeting:**

88 President Rob Mills adjourned the executive session and reconvened the regular board meeting at 4:50 p.m.
89

90 **Adjournment:** Commissioner Glen Morris motioned to adjourn the meeting. Commissioner Sandra Mies-Grantham
91 seconded the motion. President Rob Mills adjourned the meeting at 4:51 p.m.
92

93 **Next Board Meeting:** April 11, 2024, at 4:00 p.m. Regular Board Meeting.
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100 Approved by Board President

Date:

SRWD Monthly Financial Report

Monthly Statistics		Comments			
Total customers	2678	Includes new connects Less Abandoned / Forfeited meter plus 3 SRWD meters (shop X 2 & office) plus 1 Hydrant meter			
New connections	1				
Reinstalls	0				
Abandonments/Forfeitures/Meter Removed	1				
Financial Report	Checking/MM	LGIP/PFMMA	Fund Balances	Comments	
General	\$662,295.46	\$18,658.92	\$680,954.38		
Bond	\$1,086,998.24	\$0.00	\$1,086,998.24		
Capital Projects	\$28,600.39	\$68,730.30	\$97,330.69	\$7,421,586 Interim Loan Proceeds	
Revenue Bond	\$2,794.18	\$73,715.74	\$76,509.92		
Rural Development Reserve	\$0.00	\$109,671.09	\$109,671.09		
Dist. Office/Shop Reserve	\$0.00	\$0.00	\$0.00		
Depreciation/SLARA Reserve	\$0.00	\$327,061.15	\$327,061.15		
SDC (formerly SIP)	\$0.00	\$565,810.08	\$565,810.08	\$1,307,842.50 SDC collections thru 3/31/2024	
Water Source Improvement Rsrv	\$0.00	\$257,800.62	\$257,800.62		
TOTALS	\$1,780,688.27	\$1,421,447.90	\$3,202,136.17		
General Fund Review	Current	FYTD	Budgeted Amount	Comments	
Revenue	\$197,198.41	2,216,914.46	\$3,205,120.00		
Expenses	\$136,703.05	2,027,560.49	\$3,205,120.00	Contingency \$100,000; Transfers \$416,320; Total expenses budgeted \$2,677,800.	
Net Gain or (Loss) from Operations	\$60,495.36	\$189,353.97			
Water Sales Revenue Comparison	Month	FYTD	Comments		
Water Sales Current Year	\$186,139.24	\$1,892,821.61	Leak Adjustments & Billings Adjustments (YTD = July - June)		
Actual+In Lieu of Water Sales Less H2O CR	\$190,710.11	\$1,937,272.46	Billing Adj FYTD \$0.00		
Water Sales Prior Year	\$156,856.35	\$1,569,259.24	Leak Adj/Write off FYTD \$549.15		
Actual+In Lieu of Water Sales Less H2O CR	\$156,853.55	\$1,614,219.60	TOTAL FYTD ADJUSTMENTS \$549.15		
Over or (Under)	\$29,282.89	\$323,562.37	Note: Rate increase effective 6/1/2023		
Gallage Comparison	Current	Prior Year	Cost Comparison	Current	Prior Year
Gallons Purchased/Intertie/WTP Treated	6,806,000	8,549,600	Toledo Charges	\$381.15	\$0.00
Gallons Sold (includes accountable loss & intertie)	6,658,432	6,000,217	SRWD Sales	\$186,139.24	\$156,856.35
Variance %	2.17%	29.82%			
Note: 4/1/2024 City of Toledo billed us for 35,000 gallons for exercising Toledo PS on 2/22/2024					
Gallons Produced/Treated at WTP	6,771,000		2/12/2024-3/11/2024		
Gallons from Toledo Master Meter	90,000		Toledo Master Meter Readings read by SRWD field crew		
SRWD Intertie Usage (Purchased)	0		Additional water SRWD used/purchased from Newport Intertie		
Total Water Received/Produced	6,861,000				
City of Newport Intertie Usage (Sold)	0		Gallons sold to City of Newport for water used from the Newport Intertie		
Total Gallons Accounted	5,322,827		From flushing, leaks, CL2 Analyzer, & fire hydrant use		
Total Gallons Unaccounted	1,538,173				
Water Loss Percentage	22.42%				
Approval To Pay Bills	Payroll 3/8/2024 \$28,493.92		Payroll 3/22/2024 \$27,968.88		
Month of:	March	(after meeting)	April		
	GF A/P	\$10,812.85	GF A/P	\$30,757.05	up to 4/5/2024
	SDC Fund	\$0.00	SDC Fund	\$0.00	
	Bond/Rev Bond Fund	\$0.00	Bond/Rev Bond Fund	\$0.00	
	Depreciation/SLARA	\$0.00	Depreciation/SLARA	\$15,615.00	SLARA: Orcotech Firewall & Switch Upgrade
	MP - Phase 4 (IFA)	\$0.00	MP - Phase 4 (IFA)	\$0.00	
	MP- Phase 4 (USDA)	\$0.00	MP- Phase 4 (USDA)	\$9,040.00	possibly reimbursable
	MCWPP	\$0.00	MCWPP	\$33,505.14	
	MCWCC	\$0.00	MCWCC	\$0.00	
Monthly Accrual Statistics	Beg. Balance	Accrued	Used/Paid	Balance	
	2/29/2024			3/31/2024	
Office Overtime Hours (2-01)	0.00	14.75	14.75	0.00	
Field Overtime Hours (2-02)	0.00	1.75	1.75	0.00	
PTO (3-01)	3176.25	112.64	20.50	3268.39	
Comp Time (9-01 / 9-02)	115.41	5.25	10.00	110.66	

c:\msoffice\excel\guide21				OR Instruction 1780			
				Modified OR Guide 21			
PROJECT MONITORING REPORT		1. Type of Request		2. Report No.		43	
		Final <input type="checkbox"/> Partial <input checked="" type="checkbox"/>				updated 5-11-2020	
3. REPORT PERIOD		4. BORROWER INFORMATION					
Ending: 03/31/2024		Name: Seal Rock Water District					
		Address: 1037 NW Grebe Street, Seal Rock, OR 97376					
BUDGET ITEMS				STATUS OF BUDGET			
(All entries under Column "b" must be justified with an attachment) (All entries under column "e" must be documented with an attached invoice)		(a)	(b)	(c)	(d)	(e)	(f)
		Budgeted	Budget	Revised	Previous	This	TOTAL
		Amounts	Change	Budget	Total	Period	(d)+(e)
		(from LOC)					Remaining Balance (c)-(f)
a. Engineering- Design		\$947,000	\$91,000.00	\$1,038,000.00	\$1,038,000.00		\$ 1,038,000.00
b. Engineering- Membrane Pre-purchase		\$35,000	\$2,990.00	\$37,990.00	\$37,990.00		\$ 37,990.00
c. Engineering- Bid Services		\$45,000	-\$3.00	\$44,997.00	\$44,997.00		\$ 44,997.00
d. Engineering-Basic Engineering		\$380,000	\$27,799.86	\$407,799.86	\$407,799.86		\$ 407,799.86
e. Engineering-Project Inspection		\$0	\$755,537.62	\$755,537.62	\$746,497.62	\$ 9,040.00	\$ 755,537.62
f. Engineering-Start Up		\$20,000	\$10,000.00	\$30,000.00	\$30,000.00		\$ 30,000.00
g. Engineering- Software Development		\$0	\$303,041.52	\$303,041.52	\$302,598.89		\$ 302,598.89
h. Legal Services/Land Purch. (easements)		\$400,000	\$77,205.02	\$477,205.02	\$477,205.02		\$ 477,205.02
i. Geotechnical Site Investigation		\$51,000	-\$23.00	\$50,977.00	\$50,977.00		\$ 50,977.00
j. Surveying		\$26,000	\$3,962.00	\$29,962.00	\$29,962.00		\$ 29,962.00
k. Permitting		\$170,000	\$48,486.00	\$218,486.00	\$218,486.00		\$ 218,486.00
l. Archeological/Environmental Mitigation		\$40,000	-\$22,954.00	\$17,046.00	\$17,046.00		\$ 17,046.00
m. Bond counsel Services		\$80,000	-\$24,500.00	\$55,500.00	\$55,500.00		\$ 55,500.00
n. Interim Interest & Expense		\$360,000	-\$161,028.78	\$198,971.22	\$198,971.22		\$ 198,971.22
o. Consultant/Admin/Legal-phase 4		\$12,000	\$158,089.01	\$170,089.01	\$170,089.01		\$ 170,089.01
p. Line of Credit Refinance (COT expenses)		\$1,616,500	-\$429,500.00	\$1,187,000.00	\$1,187,000.00		\$ 1,187,000.00
q. Line of Credit Refinance- Interest		\$0	\$22,914.00	\$22,914.00	\$22,914.00		\$ 22,914.00
r. Contingency		\$1,306,000	-\$1,306,000.00	\$0.00	\$0.00		\$ -
s. Additional IFA Services		\$0	\$342,502.74	\$342,502.74	\$342,502.74		\$ 342,502.74
t. Tree Clearing		\$0	\$13,785.00	\$13,785.00	\$13,785.00		\$ 13,785.00
u. Tank Removal		\$0	\$18,752.00	\$18,752.00	\$18,752.00		\$ 18,752.00
v. Software/Licensing			\$28,396.24	\$28,396.24	\$28,396.24		\$ 28,396.24
x. Construction Costs:					\$0.00		
1. Contractor R&G		\$8,966,000	\$1,743,799.43	\$10,709,799.43	\$9,892,318.82		\$ 9,892,318.82
2. Westech- Membrane Purchase		\$922,000	-\$13,389.00	\$908,611.00	\$908,611.00		\$ 908,611.00
3. Other-Electrical at Intake/WTP		\$0	\$202,421.50	\$202,421.50	\$202,421.50		\$ 202,421.50
4. Other-Compaction Test		\$0	\$52,400.50	\$52,400.50	\$52,400.50		\$ 52,400.50
5. Other-98th St. PRV Calibration		\$0	\$5,210.00	\$5,210.00	\$5,210.00		\$ 5,210.00
6. Other- Electrical VFD		\$0	\$12,500.00	\$12,500.00	\$12,500.00		\$ 12,500.00
k. TOTAL PROJECT COST		\$15,376,500	\$1,963,394.66	\$17,339,894.66	\$16,512,931.42	\$9,040.00	\$16,521,971.42
l. Funding Allocation							
1) Business Oregon Loan/Grant		\$3,481,000	\$0	\$3,481,000.00	\$3,481,000.00		\$ 3,481,000.00
2) USDA Rev Bond Loan		\$2,547,000	\$0	\$2,547,000.00	\$2,547,000.00		\$ 2,547,000.00
3) USDA GO Bond Loan		\$6,549,000	\$0	\$6,549,000.00	\$6,549,000.00		\$ 6,549,000.00
4) USDA Grant		\$2,799,500	\$0	\$2,799,500.00	\$2,799,500.00		\$ 2,799,500.00
5) USDA Sub Grant		\$0	\$1,500,000	\$1,500,000.00	\$682,519.39		\$682,519.39
6) Applicant Contribution		\$0	\$460,276	\$460,275.66	\$450,793.03	\$9,040.00	\$ 459,833.03
7) Interest			\$3,119.00	\$3,119.00	\$3,119.00		\$ 3,119.00
m. TOTAL PROJECT FUNDING		\$15,376,500	\$1,963,394.66	\$17,339,894.66	\$16,512,931.42	\$ 9,040.00	\$ 16,521,971.42
n. Percentage of Completion					95%	0%	95%
5. CERTIFICATION							
<i>I certify that to the best of my knowledge and belief costs or disbursements shown are in accordance with the terms of the project and that an inspection has been performed and all work is in accordance with the terms of the construction contract.</i>							
BORROWER		Signature of Authorized Certifying Official				Date Submitted:	
						4/12/24	
		Adam Denlinger, General Manager				Telephone:	
						(541) 563-3529	
6. RURAL DEVELOPMENT ACCEPTANCE							
<i>This form and attachments have been reviewed and are accepted by Rural Utilities Service unless otherwise noted. This review and acceptance by RUS does not attest to the correctness of the amounts, the quantities shown, or that the work has been performed under the terms of the agreements or contracts.</i>							
RURAL UTILITIES SERVICE		Signature of Authorized Certifying Official				Date Submitted:	
		Holly Halligan, Area Loan Specialist				Telephone:	
						(541) 801-2682	
NOTES:							



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Seal Rock Water District

General Manager's Report:
 Board Meeting – April 11, 2024

This report serves as an executive summary for the Board meeting agenda. It provides recommendations for actions to be taken if necessary. Detailed information, staff reports, and supporting materials can be found in the full agenda packet.

PHASE-IV BEAVER CREEK SOURCE WATER PROJECT:



Water Treatment Plant (WTP) Operators continue working with Jacobs Engineers and the membrane filter skid provider, WesTech to improve operational performance at the water treatment plant. Filter skids are using much less power and chemicals during the clean in place (CIP) process and operators are recognizing much longer run times between CIP's.

Recently water treatment plant operators began phasing in remote operation of the water treatment plant. Implementation of remote operation allows operators to monitor functions at the water treatment plant through a human machine interface (HMI) program. While this phase in the process is relatively new for the district, it is standard throughout the industry and while recently implemented we are recognizing promising results.

Operators are able to allow the WTP to operate after hours with successful starts and stops, to include automated routine maintenance cleans during production. The result to the district is less overall cost to produce water and an increased overall level of

stored water in the drinking water system. Operators continue to monitor conditions as they work collaboratively with engineers and WesTech technicians to build greater optimization as continued monitoring is performed.

Seal Rock Water District is an Equal Opportunity Service Provider and Employer.

Adam Denlinger, General Manager

adenlinger@srwd.org

www.srwd.org

SRWD COMPLIANCE WITH LEAD AND COPPER SERVICE LINE INVENTORY:

Seal Rock Water District distribution operators began the task of field verifying 284 random water services to meet compliance with the Lead and Copper Rule Revision (LCRR). On January 15, 2021, the US EPA issued revisions to the federal LCR. US EPA's new [Lead and Copper Rule Revisions \(LCRR\)](#) aim to strengthen the LCR to better protect communities and children in elementary schools and childcare facilities from the impacts of lead exposure. On January 20, 2021, under federal Executive Order 13990, the LCRR was identified as an agency action requiring review. Consequently, US EPA delayed the effective and compliance dates established in the LCRR to December 16, 2021, and October 16, 2024, respectively, while engaging with local communities, states, local governments, utilities, and stakeholders for input on any changes that should be made to the LCRR.

On December 17, 2021, following US EPA engagement activities, US EPA published Docket No. [EPA-HQ-OW-2021-0255](#) in the federal register. Within the Docket, the US EPA committed to propose and revise the LCRR by October 2024 with the Lead and Copper Rule Improvements (LCRI). The LCRI is expected to delay the implementation of portions of the LCRR beyond the October 16, 2024 compliance date, however, **US EPA maintains the October 16, 2024 compliance date for the lead service line inventories.** Water systems are to keep their current tap sampling plans until the LCRR comes into effect on October 16, 2024.

The statistical approach provides a method to complete a service line inventory without inspecting every unknown service line. This approach will demonstrate a minimum 95 percent level of statistical confidence. A key factor in the success of this strategy is the use of a randomly generated list of unknown service lines to be physically inspected. If ANY service line is found to be a lead service line (either through the initial records review or the verification process) then this framework will not be able to be used and an alternate process will be discussed with the state. If NO service line is found to be lead through the records review and verification process then the remaining unknown service lines will be classified as non-lead and the submitted inventory will be final (e.g. contain all non-lead service lines).

Known service lines are defined as a service line where the pipe materials are classified using records (Previous Materials Evaluation, Construction and Plumbing Codes and Records, Water System Records, Distribution System Inspections and Records, and other required or related records) or other state approved verification methods and the water system has high confidence in the material classification. Records showing that service lines were installed after the state lead ban.

Unknown service lines are defined as a service line of unknown material with no/low-confidence documented material history.

The statistical method includes the following steps:

- Step 1: Identification of all service lines of unknown material.
- Step 2: Identification of the number of service lines to be physically inspected.
- Step 3: Random selection of service lines for physical inspection.
- Step 4: Physical inspection of the service lines.
- Step 5: Record of the physical inspection process.
- Step 6: Results input of unknown service lines into the inventory.
- Step 7: Retention of identification records.

Step 1: Identify known and unknown service lines.

Table 1 shows the total number of service connections in Seal Rock, OR (OR4100798).

Public Water System Name	Total Service Line Count
Seal Rock, OR (OR4100798)	2,676

Table 2 shows the classification of service connections in Seal Rock, OR (OR4100798).

Public Water System Name	Lead Status Known Count	Lead Status Unknown Count
Seal Rock, OR (OR4100798)	1,506 Non-Lead	1,170

Step 2: Identify how many unknown service lines must be verified.

Table 1 shows the total of unknown service connections in Seal Rock, OR (OR4100798).

Public Water System Name	Lead Status Unknown Count
Seal Rock, OR (OR4100798)	1,170

Type of Service Line Verification Method:

Public Side Service Line Verification Methods Used:

- Visual - Excavation

Private Side Service Line Verification Methods Used:

- Visual - Excavation

Step 3: Determine approach for verification of lead status unknown.

Stratified Random Sampling - At this time, the only statistical verification and minimum sample size calculation accepted is the 95% confidence level (with +/-5% margin of error and 50% sample proportion) approach. Examples are Oregon and Michigan.

The statistical approach provides a method to complete a service line inventory without inspecting every unknown service line. This approach will demonstrate a minimum 95 percent level of statistical confidence. A key factor in the success of this strategy is the use of a randomly generated list of unknown service lines to be physically inspected; however, this list of randomly selected locations will be randomized per the categorized decade of installation records. If installation records don't exist the location will still be included in the decade of highest risk. If ANY service line is found to be a lead service line (either through the initial records review or the verification process) then this framework will not be able to be used and an alternate process will be discussed with the state. If NO service line is found to be lead through the records review and verification process, then the remaining unknown service lines will be classified as non-lead and the submitted inventory will be final (e.g. contain all non-lead service lines). If, in the future, an LSL is found then the water system will contact the state within 30 days to discuss a path forward.

Known service lines are defined as a service line where the pipe materials are classified using records (Previous Materials Evaluation, Construction and Plumbing Codes and Records, Water System Records, Distribution System Inspections and Records, and other required or related records) or other state approved verification methods and the water system has high confidence in the material classification. Records showing that service lines were installed after the state lead ban (or local ordinance with an earlier lead ban) and service lines >2 inches (diameter allowance depends on state) will be considered known and classified as non-lead.

Unknown service lines are defined as a service line of unknown material with no/low-confidence documented material history.

Step 4: Randomly select service lines for verification.

The generation of a uniformly random set of service lines for inspection using the direction as provided below:

1. In the first column of a spreadsheet, list every unique service line of unknown material.
2. In the second column, generate uniformly random numbers, so that each service line is associated with a randomly generated number.

Follow these steps:

- a. Enter the formula =RAND() into the second column next to each location and press Enter. This generates a number between 0 and 1 for each service line.
- b. Select the second column (the column with the random values) and copy it, using the spreadsheet's Copy feature.
- c. With the second column still selected, use the Paste Special option to Paste Values Only into that same column. This will ensure your random numbers remain static.
- d. Use the Sort feature to list the randomly generated numbers from lowest to highest. If the Sort Warning appears, select Expand the Selection, then Sort.
- e. Select only the top N service lines, where N is the number requiring inspection. For example, if you need to inspect 20 service lines, select the first 20 service lines on the list. These are the 20 uniformly random service lines to be inspected.
- f. In addition to the number of locations requiring inspection, use the same process outlined above to generate 50 additional locations as a buffer if any issues arise with residents not being willing to comply with inspection.

Step 5: Conduct service line verifications.

Type of Service Line Verification Method

At least one point of verification is required for each portion of the unknown service line. If the service line is jointly owned, each portion that is unknown (utility and/or customer) must be verified. Verification methods include approved verification methods. If one or more of the original randomly selected sites cannot be verified, the next available location from the random number generation will be used. Example: If a system has 2,000 unknowns and has to verify 322 SLs but was only able to verify 312 SLs, then the next 10 SLs will be taken from the original random number list (e.g. 323 to 333).

Public Side Service Line Verification Methods used:

- Visual at the Meter Pit - Excavation

Private Side Service Line Verification Methods used:

- Visual at the Meter Pit - Excavation

Inventory Approach	Public Water System Name	Lead Status Unknown Count	Number of Service Lines to Verify (min)
Stratified Random Sampling	Seal Rock, OR (OR4100798)	1,170	284

Other notable activities for the month include:

- Attended the Mid Coast Water Conservation Consortium Meeting.
- Attended SDAO/SDIS Joint meeting in government camp on April 3rd and 4th.
- Attended the OWRD Place-Based Planning Coordinating Committee Meeting, on March 19th.
- Met with GSI Water Solutions to review progress on MC-WPP, the Water Management and Conservation Plan, and Beaver Creek streamflow and temperature monitoring scope of services.
- Attended the Monthly Oregon Water Utility Council (OWUC) meeting, on March 21st.
- Staff attended the quarterly IT and Cybersecurity Briefing with OrchoTech on March 15th.
- Staff are working to complete the Annual SRWD 2024/2025 Budget Packets.
- Staff worked with Jacobs Engineering to satisfy the request for production of documents related to arbitration.
- Met with consultants developing Lead and Copper Rule Revision service line inventory report.



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Seal Rock Water District

DATE ACTION REQUESTED: April 11, 2024							
Ordinance		Resolution		Motion		Information	X
Date Prepared: March 25, 2024				Dept.: Administration			
SUBJECT: Consider Water Rate Adjustment for FY 2024 - 2025				Contact Person for this Item: Adam Denlinger, General Manager adenlinger@srwd.org. 541-563-4447			

RECOMMENDED BOARD ACTION:

Consider a water rate adjustment for the 2024/2025 budget year.

FINANCIAL IMPACTS:

The philosophy of the district has been to maintain a program of small annual increases to lessen the need for large one-time increases. Other considerations include the transition to the district’s primary source water supply, satisfying annual debt service, transfers to capital and source water reserves, and planning for the long-term operation of the district’s water distribution and membrane water treatment facility.

DISTRICT GOAL:

Identify and prioritize challenges that must be overcome to ensure successful District operations dependent upon effective financial planning for the annual operation of the district.

BACKGROUND:

Historically, the SRWD Board of Commissioners evaluates the rate annually for addressing any necessary increase and then requests that staff develop a proposal (potential scenarios) for a rate increase that will be provided to the Board and the community at a future public hearing. The U. S. Bureau of Labor and Statistics reports that over the last 12 months, the Consumer Price Index for all Urban Consumers (CPI-U) advanced 3.2 percent. Food prices advanced 2.3 percent. Energy prices advanced 0.6 percent, largely the result of an increase in the price of electricity. The index for all items less food and energy advanced 3.6 percent over the year. Maintaining pace with inflation annually supports the likelihood that significant rate adjustments will not be necessary in the future.

Adjustment in the rate is a policy decision and is subject to public hearing in accordance with ORS, Chapter 264.312. If the Board of Commissioners elects to adjust the rate, the Board will need to direct staff to reflect the adjusted rate in the budget and schedule a rate hearing for no later than June 13, 2024.

Presented By: *A. Denlinger*



Scope of Work and Fee Estimate

To: Adam Denlinger
Seal Rock Water District
PO Box 190
1037 NW Grebe Street
Seal Rock 97376

From: Owen McMurtrey, GSI Water Solutions, Inc.
Zach Pike-Urlacher, GSI Water Solutions, Inc.
Adam Sussman, GSI Water Solutions, Inc.

Date: March 11, 2024

RE: Scope of Work and Cost Estimate for Year 7 Water Temperature Monitoring Support on Beaver Creek for Water Right Permit S-55012

Dear Adam,

GSI Water Solutions, Inc. (GSI) appreciates the opportunity to provide this scope of work and budget to Seal Rock Water District (District) for monitoring water temperature in Beaver Creek. The purpose of the monitoring is to meet requirements outlined in the District's water use Permit S-55012, which states that stream temperature must be monitored between May 15 and October 31 at 30 minute intervals upstream and downstream of the point of diversion (POD) for 2 years prior to diversion and 5 years after diversion. GSI understands that the District began diverting water from Beaver Creek in June of 2022; it is likely that Oregon Water Resources Department (OWRD) will require the District to continue to monitor water temperatures through May 2027. As a result, this will represent year 2 of the required (post diversion) monitoring period. We will confer with OWRD and adjust as needed.

Scope of Work

GSI will perform water temperature monitoring in Beaver Creek and submit the data to OWRD and Oregon Department of Environmental Quality (DEQ) at the end of the year as outlined in the Sampling and Analysis Plan (SAP). This work is organized into three tasks which are described below.

Task 1 – Stream Temperature Monitoring

This task will include:

- Install the loggers in stilling wells and ensure all devices are functioning properly prior to May 15th.
- Routinely inspect stilling wells and download logger data.
- Remove the loggers after October 31st for post-deployment quality control checks.

- Perform quality control tests on loggers, as outlined in the SAP, including pre- and post-deployment water baths and at least two in-stream temperature confirmations.

Additionally, the thermometer used for transducer data quality control may be NIST calibrated prior to the season.

Assumptions:

- Time is based on an 8 hour field day for (1) GSI staff from Portland for each of the 6 routine monitoring trips included in the scope of work. GSI will overlap temperature monitoring visits with streamflow measurement site visits completed under a separate scope of work to the extent possible.
- For installation of the loggers, time is based on an 11 hour field day for (1) GSI staff from Portland. For logger removal, time is based on an 11 hour field day for (1) GSI staff from Portland. Installation of data loggers will be coordinated with streamflow monitoring if possible.
- The District is responsible for any repairs to the stilling wells in case of damage.
- Thermometer calibration cost is \$150.
- GSI received returned data loggers after battery replacement in February 2021. Battery life is expected to last through the 2024 season, but GSI has included the cost of battery replacement in the event that data logger batteries require replacement after the monitoring season.

Task 2 – Data and Reporting

During the monitoring period, the data will be downloaded by GSI approximately once per month and reviewed to ensure data quality and logger functionality. Following our quality review, GSI will submit the electronic water temperature data and any required documentation to OWRD and DEQ by December 31, 2024, consistent with the SAP.

Task 3 – Project Management

GSI will manage the project, which will include invoicing, tracking budget and schedule, progress updates with the District, and internal management. As needed, GSI will set up a conference call or meeting with DEQ and/or OWRD to review monitoring results and procedures.

Assumptions

- Meeting with the District and DEQ, if needed, will be by video conference.

Continuing Temperature Monitoring during Subsequent Years

Temperature monitoring is required for at least five years after initiation of diversions, as outlined in the District's water use permit S-55012. The temperature monitoring during the subsequent years of monitoring is anticipated to be similar to Year 7 as outlined in this scope of work.

Fee Estimate

Our proposed scope of work will be completed on a time and materials basis. The total estimated not to exceed fee for Year 7 temperature monitoring in Beaver Creek is \$22,510. Table 1, presented below, shows a breakdown of the budget by task. The level of effort by task may vary but the overall budget will not be exceeded unless approved by the District. GSI's 2024 labor rates are attached.

Tasks	Labor Hours	Labor Cost	Direct Expenses	Total
Task 1 – Stream Temperature Monitoring	97	\$14,065	\$2,470	\$16,535
Task 2 – Data Review and Reporting	23	\$3,825	\$0	\$3,825
Task 3 – Project Management	15	\$2,150	\$0	\$2,150
Project Totals	135	\$20,040	\$2,470	\$22,510

The work completed under this scope of work will be consistent with the terms and conditions of the Professional Service Agreement for Temperature Monitoring signed by the District on March 15, 2019. Please sign below as your notice to proceed.

Please give me a call if you have any questions regarding this scope and budget. We greatly appreciate the opportunity to work with the District on this project.

Approved by:



 Adam Denlinger, General Manager
 Seal Rock Water District

 Adam Sussman, Principal
 GSI Water Solutions

 Date

3/11/24

 Date



Scope of Work and Fee Estimate

To: Adam Denlinger
Seal Rock Water District
PO Box 190
1037 NW Grebe Street
Seal Rock 97376

From: Zach Pike-Urlacher, GSI Water Solutions, Inc.
Adam Sussman, GSI Water Solutions, Inc.

Date: March 11, 2024

RE: Scope of Work and Fee Estimate for Year 6 Streamflow Monitoring Support on Beaver Creek for Water Use Permit S-55012

Adam,

GSI Water Solutions, Inc. (GSI) appreciates the opportunity to provide this scope of work and budget to Seal Rock Water District (District) for streamflow monitoring on Beaver Creek. The purpose of the monitoring is to meet requirements outlined in the District's water use permit S-55012, which require:

- Maintain and operate the streamflow monitoring station installed in 2019 near the District's intake to monitor streamflow and water depth (according to USGS standards) during the period of May 15 to October 15, 2023.
- Collect streamflow measurements (at various rates of flow) every four to six weeks during the required monitoring period (4 to 6 measurements).
- Prepare an annual report of the collected data to the Oregon Water Resources Department (OWRD).

Scope of Work

This scope of work includes the tasks to be completed during Year 6 of streamflow monitoring support and is organized into four tasks that are described below. We have included a description of the tasks to continue the streamflow monitoring during additional years of monitoring but have not included costs beyond Year 6 in this scope and budget.

Task 1 – Streamflow Monitoring Planning and Coordination with State Agencies

GSI will develop a plan and schedule for streamflow monitoring during Year 6, update the health and safety plan for the project, and, as needed, coordinate with state agencies regarding the resumption of streamflow monitoring for Year 6.

Task 2 – Streamflow Monitoring Station Inspection and Maintenance

GSI will complete an initial site visit prior to the start of the required monitoring period to inspect the streamflow monitoring station and to prepare the station for monitoring during Year 6. Any repairs and maintenance items will be assessed during the initial site visit to the streamflow monitoring station.

Assumptions

- One visit to the streamflow monitoring station will be completed prior to the start of the required monitoring period to collect a streamflow measurement to ensure the streamflow monitoring station equipment is operating correctly. *GSI's time is based on a 10-hour field day for GSI staff and a sub-consultant, including travel time.*
- One additional site visit and an equipment repair allowance of \$1,200 is assumed for repairs and maintenance of the streamflow monitoring station, if required. *GSI's time is based on a 10-hour field day for GSI staff and a sub-consultant, including travel time.*

Task 3 – Data Collection

GSI will conduct six regularly scheduled field visits to the streamflow monitoring station during the monitoring period (May 15 to October 15) of Year 6 to measure the streamflow of Beaver Creek. The field visits will occur approximately every four to six weeks, with the objective of measuring various rates of streamflow during the required monitoring period. (To the extent possible, GSI staff will combine trips to coincide with temperature monitoring field work). Water level data collected by the pressure transducer (installed at the streamflow monitoring station) will also be downloaded by GSI during each visit. The overall objective of this task is to collect data to continue refinement of the rating curve relating the stage (water depth) of Beaver Creek to streamflow.

Assumptions

- A total of six visits to the streamflow monitoring station. *Travel time for this task is included in the year seven temperature monitoring scope of work.*

Task 4 – Data Processing and Reporting

GSI will review and process the streamflow data collected during the field visits and the data files retrieved from the pressure transducers. The compiled data will be compared to the previous years of streamflow monitoring and will either be used to refine the existing rating curve (relating the stage of Beaver Creek to streamflow) or to develop a new rating curve. The refined or new rating curve will be used to calculate the flow of Beaver Creek based on the continuous stage (water level) measurements of the creek collected at the gaging station. After the end of the required monitoring period, GSI will prepare a summary of the processed data for the District, and GSI will submit the collected data and any required documentation to Oregon Water Resources Department (OWRD) and National Marine Fisheries Service (NMFS) by December 31, 2024.

Continuing Streamflow Monitoring after Year 6

The streamflow monitoring during subsequent years of monitoring is anticipated to be similar to Year 6 as outlined in this scope of work.

Fee Estimate

Our proposed scope of work will be completed on a time and materials basis. The total estimated not to exceed fee for Year 6 of streamflow monitoring in Beaver Creek is \$43,445. Table 1, presented below, shows a breakdown of the budget by task. The level of effort by task may vary but the overall budget will not be exceeded unless approved by the District. GSI's 2024 labor rates are attached.

Table 1. Fee Estimate for Year 6 Streamflow Monitoring

Tasks	Labor Hours	Labor Cost	Outside Services	Direct Expenses	Total
Task 1 - Streamflow Monitoring Planning and Coordination with State Agencies	8	\$1,063	\$1,155	\$0	\$2,218
Task 2 - Streamflow Monitoring Station Inspection and Maintenance	16	\$2,320	\$3,686	\$2,198	\$8,240
Task 3 - Data Collection	24	\$3,405	\$15,023	\$4,200	\$22,628
Task 4 - Data Processing and Reporting	32	\$4,620	\$5,775	\$0	\$10,395
Project Totals	80	\$11,408	\$25,639	\$6,398	\$43,445

The work completed under this scope of work will be consistent with the terms and conditions of the Professional Service Agreement for Year 1 Streamflow Monitoring signed by the District on March 15, 2019. If the District agrees to this scope of work, please sign below as your notice to proceed.

Please give me a call if you have any questions regarding this scope and budget. We greatly appreciate the opportunity to work with the District on this project.

Approved by:

 Adam Denlinger, General Manager
 Seal Rock Water District

 Date



 Adam Sussman, Principal
 GSI Water Solutions

March 11, 2024

 Date



1037 NW Grebe Street
 Seal Rock, Oregon 97376
 Phone: 541.563.3529 - Fax: 541.563.4246
 www.srwd.org



Seal Rock Water District

DATE ACTION REQUESTED: April 11, 2024							
Ordinance		Resolution	X	Motion	X	Information	
Date Prepared: March 18, 2024				Dept.: Administration			
SUBJECT: Consider Application for Funding Through Clean Water State Revolving Fund				Contact Person for this Item: Adam Denlinger, General Manager adenlinger@srwd.org. 541-563-4447			

RECOMMENDED BOARD ACTION:

Consider adopting a resolution for funding provided by the Department of Environmental Quality (DEQ) Clean Water State Revolving Fund (CWSRF).

FINANCIAL IMPACTS:

Principal forgiveness is an additional subsidy that reduces the amount of principal a Clean Water State Revolving Fund borrower is required to pay back on a loan. In order to receive an award of principal forgiveness, a project must be eligible and there must be principal forgiveness funds available at the time of loan signing.

DISTRICT GOAL:

Identify and prioritize challenges that must be overcome to ensure successful District operations dependent upon safe reliable source water.

BACKGROUND:

The focus of the planning effort will be to develop a Drinking Water Protection Plan (DWPP) for Seal Rock Water District's Beaver Creek drinking water source and to engage the community in the process. The DWPP will be structured to meet the requirements for approval by the Oregon Department of Environmental Quality (DEQ) and Oregon Health Authority (OHA).

Presented By: *A. Denlinger*

Seal Rock Water District

RESOLUTION NO. 0424-01

A RESOLUTION OF THE SEAL ROCK WATER DISTRICT, OREGON, AUTHORIZING SEAL ROCK WATER DISTRICT TO ACCEPT FUNDS PROVIDED BY THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY, THROUGH THE STATE OF OREGON CLEAN WATER STATE REVOLVING FUND PROGRAM IN THE AMOUNT OF \$50,000

WHEREAS, the Seal Rock Water District, Oregon (the “District”) recognizes the risk to the district’s primary source water and seeks to finance the completion of a Drinking Water Protection Plan (DWPP);

WHEREAS, a Drinking Water Protection Plan (DWPP) for Seal Rock Water District's (District) Beaver Creek drinking water source will prioritize risks to the district's primary drinking water source;

WHEREAS, the District application through the Oregon Clean Water State Revolving Fund (CWSRF) was approved on March 19, 2024;

WHEREAS, the District desires to use funding in the form of principal forgiveness to complete a Drinking Water Protection Plan (DWPP);

BE IT RESOLVED by the Board of Commissioners of the Seal Rock Water District, Oregon, that:

Seal Rock Water District hereby authorizes the General Manager, or designee to execute all documents to satisfy funding provided by and through the Oregon Clean Water State Revolving Fund (CWSRF) in the amount of \$50,000 to complete a Drinking Water Protection Plan (DWPP).

ADOPTED by the Board of the Seal Rock Water District, Oregon this 11th day of April 2024.

SEAL ROCK WATER DISTRICT, OREGON

By _____

President

ATTEST:

By _____

Secretary



Clean Water State Revolving Fund Planning Loan Application

Contact: [Regional Project Officer](#)

Answer all requests for information in this application. List “N/A” for items that do not apply. Do not leave any section of this application blank.

DEQ will accept completed applications that are printed, signed and mailed to DEQ, postmarked by the application due date.

Applicant Information

1. Public agency/Legal applicant:

Name

Address

City, State

Zip + 4

County

[Congressional District\(s\)](#)

Telephone

Email Address

DUNS Number (9 Digits)

2. Cite your agency’s authority to take on debt, noting the exact Oregon Revised Statute reference located on the [state website](#).

3. Only public agencies are eligible for the Clean Water State Revolving Fund. Does your agency meet the definition of a “public agency” as defined by [ORS 468.423](#)? If you are unsure, contact DEQ at 503-229-LOAN.

Yes No

4. Identify your type of public agency:

Tribal government

City

County

Sanitary district/Sanitary authority

State agency

Irrigation district

School district

County service district

Metropolitan service district

Other special district (please specify):

Intergovernmental agency (please specify):

Note: Eligibility includes certification of no disbarment and no suspension through the [System of Award Management](#). Certification is required at time of loan signing.

5. Project contact:

Name Dept./Organization Title
 Telephone Email Address

6. Project Location:

Address
 City, State Zip + 4 County [Congressional District\(s\)](#)
[Latitude WGS84](#) [Longitude WGS84](#)

If no address, describe the location:
 Location not known

7. Water quality permit information (if applicable):

Type	Number	Administratively Extended	Renewed	Current	New	No Permit
National Pollutant Discharge Elimination System permit number (EPA reference number beginning with "OR")						
Water Pollution Control Facility permit number						

8. Will this project require?

Permit renewal
 New permit
 N/A

9. Permit includes:

A compliance schedule associated with loan request
 A Mutual Agreement and Order (MAO) associated with loan request
 Loan request is being made to address potential compliance concerns

10. CWSRF loan request amount:

11. Total estimated project cost:

Project Description

Use this section to describe the objectives, components and expected outcomes of the plan. The loan agreement will refer to this section in defining what expenses can be reimbursed.

12. Planning effort description

Name of project:

Project objective:

Provide the complete scope of planning effort:

Describe the major project components of the planning effort (the means of achieving the objectives):

List all of the water quality and public health objectives addressed by the proposed planning effort:

Describe how planning will address these issues (achieve objectives):

Describe the intended outcome of this plan and any other pertinent information that explains why this project is proposed:

13. Will the planning effort include sustainability, establishing long-term reliability and viability of a facility or a water resource (refer to [OAR 340-054-0010\(32\)](#) for the definitions of sustainability and natural infrastructure)?

Yes No

If yes, please describe:

14. Will the planning effort take advantage of an opportunity with respect to project timing, finances, partnerships or other advantageous condition?

Yes No

If yes, please explain:

15. Do you use an asset management tool (Examples are Check Up Program for Small Systems, Effective Utility Management and Lean)?

No

If yes, briefly explain the methods, how long they have been used by applicant and how they will be applied in this planning effort:

16. Will the planning effort consider integrating natural infrastructure?

Yes No

If yes, briefly explain this aspect of the project, the problem to be solved, and advantage of using natural infrastructure over a conventional treatment system:

17. Will the scope of the planning effort demonstrate cost effectiveness by considering three or more project alternatives such as optimizing an existing facility, regional partnership or consolidation?

Yes No

List the project alternatives the scope of this planning effort will be considering and explain what makes them cost effective:

a.

b.

c.

18. Project Categories:

Estimate the percentage of the CWSRF loan expected to be used for each of the appropriate categories shown below:

Project category	Description (Please enter all numbers as decimals (ex: 22.34% = .2234))	% CWSRF Funding
CWT	Secondary Treatment	
CWT	Advanced Treatment	
CWT	Infiltration/Inflow	
CWT	Sewer System Rehabilitation	
CWT	New Collector Sewers	
CWT	New Interceptors	
CWT	CSO Correction	
Stormwater	Gray Infrastructure	
Stormwater	Green Infrastructure	
Energy Conservation	Energy Efficiency	
Energy Conservation	Renewable Energy	
Water Conservation	Water Efficiency	
Water Conservation	Water Reuse	
NPS	Agricultural BMPs, Croplands	
NPS	Agricultural BMPs, Animals	
NPS	Silviculture	
NPS	Ground Water, unknown source	
NPS	Marinas	
NPS	Resource Extraction	
NPS	Brownfields	
NPS	Storage Tanks	
NPS	Sanitary Landfill	
NPS	Hydromodification/Habitat Restoration	
NPS	Individual/Decentralized Systems	
NPS	Land Conservation	
Other	Planning and Assessments	
Other	Estuary (§320) Assistance	
Other	Desalinization	
Total		

Waterbody and Water Quality / Public Health Benefits

19. Provide the name, eight digit Hydrologic Unit Code of waterbody receiving discharge:

Primary affected waterbody:	HUC#
Other affected waterbody:	HUC#
GPS Location WGS84 <u>Latitude:</u>	<u>Longitude:</u>

20. Discharge affected by proposed project (check all that apply):

- Ocean outfall
- Estuary/Coastal
- Wetland
- Surface water (stream, river, lake)
- Groundwater
- Land application
- Other/reuse
- Eliminates discharge
- Seasonal discharge
- No change
- No discharge

21. Indicate if the project will protect or restore beneficial uses of the waterbody. If the project provides both protection and restoration, indicate which beneficial uses are primary and which are secondary (Not all will apply):

	Protection		Restoration		N/A
	Primary	Secondary	Primary	Secondary	
Domestic water supply					
Fishing					
Industrial water supply					
Boating					
Irrigation water contact					
Recreation					
Livestock watering					
Aesthetic quality					
Fish and aquatic life					
Wildlife and hunting					
Commercial navigation and transportation					
Hydropower					

Information on beneficial uses of Oregon's waters is available at <https://www.oregon.gov/deq/wq/Pages/WQ-Standards-Uses.aspx>

22. Identify other beneficial uses the project will protect or restore. If the project results in both protection and restoration, indicate which beneficial uses are primary and which are secondary. The project description must support expected outcomes. Not all listed outcomes will apply.

	Protection		Restoration		N/A
	Primary	Secondary	Primary	Secondary	
Infrastructure improvement					
Regionalization/Consolidation					
Water Reuse/Recycling/Conservation					
Groundwater protection					
Drinking water supply (e.g., groundwater source)					
Other public health/pathogen reduction					
Wetland restoration					
Security					
Industrial					
Habitat restoration					
Other (please describe below)					

23. Planning effort will address water quality or public health issue within (check all that apply):

[Federally designated Wild and Scenic River](#)

[Federally designated Sole Source Aquifer](#)

[State designated scenic waterway](#)

[Lower Columbia River Estuary](#)

[Tillamook Bay Estuary](#)

[River designated under OAR 340-041-0350](#) (Three Basin Rule)

Wetland or riparian area listed by the state or a local government

None of the above

24. Planning effort supports the implementation of which of the following:

Existing Total Maximum Daily Load (TMDL)

Projected TMDL

DEQ water quality status and action plan

Designated groundwater management area declared under ORS 468B.180

Other qualifying plan, specify

None of the above

Specify which TMDL, Plan or GWMA the plan will support:

Schedule and Budgeting

25. Planning schedule:

Estimated planning start date:

Estimated planning completion date:

Please explain if the estimated dates are before the loan application date or the date a loan will be signed:

26. Planning effort costs and funding:

Table A. Project budget		
	Total project budget	Amount funded by CWSRF
Administration and Legal		
Contingency		
Preliminary Expense		
Basic Engineering		
Other Engineering		
Total Costs		

Table B. Funding sources		
	Amount	Interim
DEQ Clean Water State Revolving Fund Loan		
Business Oregon Special Public Works Grant and/or Loan		
Business Oregon Water/Wastewater Grant and/or Loan		
Business Oregon Community Development Block Grant		
USDA Rural Development Grant and/or Loan		
General Obligation Bonds		
Revenue Bonds		
Local Funds (note source of funds):		
In-Kind Assistance		
Other:		
Total Funding (must equal total costs in Table A)		

27. Existing sewer-related debt service (before CWSRF project funding):

	Current balance	Interest rate	Year issued	Annual payment	Bond rating
General obligation bonds					
Sewer revenue Bonds					
Other debt					

28. Service area data:

Population served by the current system:

Population served by the proposed plan:

29. Some public agency borrowers who are not considered economically distressed still have portions of their population that might experience financial hardship due to the cost of their sewer rates. These borrowers have established programs to assist these ratepayers.

Does your community have a ratepayer hardship program in place?

Yes

No

Required Documentation

This application provides the necessary information for DEQ to determine eligibility, scoring, ranking and to complete reporting requirements for the proposed project. Once deemed eligible and scored, the project will be included in the Clean Water State Revolving Fund Intended Use Plan and the applicant can then complete the remaining required documents. Consult the Checklist for a complete list of required documents. The documents require time to prepare and complete. DEQ recommends that applicants become familiar with these required documents early in the application process. The checklist is [online](#).

Check here to receive DEQ program updates through GovDelivery. You may unsubscribe at any time.

Certification

The public agency or applicant certifies that:

- Clean Water State Revolving Fund loan proceeds will be used only for the project described in this application and that project work will be consistent with project objectives.
- The public agency or applicant will comply with all applicable rules and laws.
- The public agency or applicant will obtain all applicable local, state, and federal permits, approvals, and licenses, and comply with their terms and conditions.
- The undersigned is duly authorized to request this loan on behalf of the public agency.
- The public agency or applicant declares under penalty of law that all facts given and information attached are true and correct.
- The public agency or applicant authorizes DEQ to verify all information.



Authorized Signature

December 7, 2023

Date

Typed Name and Title

LGIP Account Number (for processing loan disbursements)

Return the completed application to your DEQ Project Officer. A complete list of Clean Water State Revolving Fund staff is [online](#).

Alternative formats Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email deqinfo@deq.state.or.us

DEQ USE ONLY

Application Name:

Application #:

GPR Amount:

GPR Category:

Application Deemed Eligible and Complete:

Initial:

Date:

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated May 11, 2020.

AMENDMENT TO OWNER-ENGINEER AGREEMENT
Amendment No. 6

The Effective Date of this Amendment is: March 22nd, 2024

Background Data

Effective Date of Owner-Engineer Agreement: May 11, 2020

Owner: Seal Rock Water District

Engineer: Jacobs Engineering Group Inc.

Project: Phase IV Beaver Creek Water Supply Project

Nature of Amendment:

- Additional Services to be performed by Engineer
- Modifications to services of Engineer
- Modifications to responsibilities of Owner
- Modifications of payment to Engineer
- Modifications to time(s) for rendering services
- Modifications to other terms and conditions of the Agreement

Description of Modifications:

Additional engineering services have been required with project extension from the original final completion date of August 24th, 2021. Additional services provided with this amendment to cover work since January 2024 and extending through the end of October 2024. Jacobs services and costs are subject to change pending certified substantial and final completion dates.

- *Remaining engineering services (project management, project closeout, document controls - meetings, invoicing/project controls, continued contractor interface, continued WesTech interface, expenses, finalize as built); resident project representation (RPR) field inspection services as needed for the time, ongoing automation, SCADA and integration support, ongoing engineering services regarding operation of treatment plant and Owner directed activities— **\$57,500.***

Agreement Summary:

Original agreement amount:	\$ 1,056,000
Net change for prior amendments:	\$ 440,379
This amendment amount:	\$ 57,500
Adjusted Agreement amount:	\$ 1,553,879

Change in time for services (days or date, as applicable): Project continues to extend past original contract final completion thus requiring engineering and project management time. Services also include support and coordination with WesTech, owner’s supplied packaged system. In addition, this includes allowance up to the revised contracted amount for Owner directed services and activities for SCADA and integration support along with warranty support and on call engineering support to operations and maintenance.

The foregoing Agreement Summary is for reference only and does not alter the terms of the Agreement, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this, or previous Amendments remain in effect.

OWNER:

ENGINEER:

Seal Rock Water District

Jacobs Engineering Group Inc.

By: _____
 Print name: Adam Denlinger

By: _____
 Print name: Alan Chang

Title: General Manager

Title: Designated Manager

Date Signed: _____

Date Signed: _____

Agency Concurrence:

As lender or insurer of funds to defray the costs of this Contract, and without liability for any payments thereunder, the Agency hereby concurs in the form, content, and execution of this Agreement.

 Agency Representative Date

 Name and Title

Seal Rock SDC Workplan - Amendment 6, March 22, 2024																	
	Title:	PM	Engineer	RPR	Senior Engineer	Junior Engineer	Senior Lead Engineer	Senior Lead Engineer	Engineer	Senior CAD Technician	Senior Scientist	Administrative Assistant					
	Billing Rates:	\$225	\$150	\$150	\$175	\$120	\$200	\$200	\$150	\$120	\$150	\$100					
WBS	Task	Craig Massie	Jennifer Koch	Art Bowcock	Darren Edwards	Humberto Jaramillo	Tom Engleson/Paul Mueller	Don Watson/Sherman Walker	Mari Valenzuela/Tiana	Bistra Gyaourova	Dana Larson	Lori Hurt / Garrett Bates	Labor Hours	Labor	Expense	Total	
1	Project Management																
1.1	Project Management	8	8										16	\$3,000		\$3,000	
1.2	Project Controls											8	8	\$800		\$800	
2	Resident Project Representative																
2.1	Construction Observation												0	\$0		\$0	
3	Engineering																
3.1	Submittals												0	\$0		\$0	
3.6	O&M		4		4								8	\$1,300		\$1,300	
3.9	As Built and Record Drawings		2										2	\$300		\$300	
3.10	Expenses												0	\$0	\$3,100	\$3,100	
3.11	Allowance - Owner Directed Activities	16	16	16	16								64	\$11,200		\$11,200	
4	Post Construction																
4.1	Warranty Period	2	4		2		24						32	\$6,200		\$6,200	
4.2	Startup Support						48						48	\$9,600		\$9,600	
SI	Software Integration																
01.A.PN.OE.SI-3C	HMI support and troubleshooting												0	\$0		\$0	
01.A.PN.OE.SI-3B	Win-911 alarm notification configuration												0	\$0		\$0	
01.A.PN.OE.SI-4A	Software O&M manual												0	\$0		\$0	
01.A.PN.OE.SI-3D	Camera setup												0	\$0		\$0	
01.A.PN.OE.SI-3E	Thin client setup at district office												0	\$0		\$0	
01.A.PN.OE.SI-4B	Final tuning and onsite assistance												0	\$0		\$0	
01.A.PN.OE.SI-4B	Power monitoring: ETC 8 hours												0	\$0		\$0	
01.A.PN.OE.SI-4B	Conductivity Probe Redundancy Design												0	\$0		\$0	
01.A.PN.OE.SI-4B	Allowance - Owner Directed Activities						40	70					110	\$22,000		\$22,000	
	Total	26	34	16	22	0	112	70	0	0	0	8	288	\$54,400	\$3,100	\$57,500	



1037 NW Grebe Street
Seal Rock, Oregon 97376
Phone: 541.563.3529 – Fax: 541.563.4246
www.srwd.org



Seal Rock Water District

Date: March 20, 2024

To: SRWD Community Residents

RE: Water Testing Scam

This is a customer service alert provided by the Oregon Health Authority:

Seal Rock Water District (SRWD) was informed by the Oregon Health Authority (OHA), through the Drinking Water Program, of a water testing scam after some Oregon residents started receiving water sampling kits in the mail and had questions about their validity.

While not a criminal scam, these businesses operate in a manner that raises serious concerns. The small print at the bottom of their mailers clearly states they are not affiliated with EPA or city or county health departments. Instead, this private business uses fake home testing kits to collect information to identify leads and sell expensive point-of-use (POU) filtration. By submitting the kit and answering the questions, homeowners are providing them with a wealth of information [name, address, water source, your opinion of your water, whether you have POU, etc.]. They can use this data to contact the homeowner to say their test results are bad, but the company can perform a thorough in-home analysis for free. Then, they push to sell an expensive water softener or POU when they're in the individual's home.

Growing public awareness of potential water quality problems, aided by increased marketing efforts by the industry, have resulted in a significant increase in scamming activity. SRWD is bringing this to the attention of our customers in an effort to inform the community that the SRWD continually delivers drinking water that meets or exceeds state and federal regulatory limits. Safe, reliable drinking water is a basic life necessity. SRWD understands this and appreciates the opportunity to provide this essential service to the Seal Rock community every day. We believe it is important for our customers to understand where their water comes from, how safe it is, and what actions we take to ensure its continued quality.

If you have questions or concerns, we invite you to visit the district's website at www.srwd.org to review a copy of the district's most recent Consumer Confidence Report (CCR) or, obtain more information provided by Oregon Health Authority (OHA) Drinking Water Program regarding water testing scams.

Thank you.

A CELEBRATION

OF PARTNERSHIPS FOR CONSERVATION AND
RESTORATION ON OREGON'S CENTRAL COAST







Habitat conservation and restoration happens through the engagement and work of the many people committed to stewardship of their lands, waters, resources and communities. Thank you.







PROTECTING AND RESTORING OUR LANDS AND WATERS -A TRIBUTE-

This document reflects work done over the last 25 years to help restore land and streams once stewarded in a sustainable manner by the ancestors of those who are now known as the Confederated Tribes of the Siletz Indians, Confederated Tribes of the Coos Lower Umpqua and Siuslaw Indians, and the Confederated Tribes of the Grand Ronde. It is a tribute to the collective efforts of the individuals and groups who have provided the vision, science, skills, and passion to restore salmon, forests and streams in the place we call home.

Watershed councils, land trusts, conservation groups, timber companies, private landowners, schools, Federal, Tribal, state and local governments, soil and water conservation districts, agencies and businesses have conserved thousands of acres and have implemented many hundreds of restoration projects from Cascade Head to Heceta Head.

Over \$102,000,000 from government programs, private foundations, and individual donations has been invested, resulting in improved habitat for salmon and other wildlife species, cool and cleaner water, and beautiful places for recreation and reflection. These investments have also provided local jobs and educational opportunities.

Local, state, private and federal plans and assessments have been used to prioritize and implement on the ground projects. Use of these plans has added to larger scale stream and watershed benefits. Conserving connected areas adds resilience to the environment.

The Oregon Department of Fish and Wildlife's Conservation Strategy has also guided selection of the best sites to conserve and restore habitat for rare or sensitive species such as Coho salmon, Marbled Murrelet, Silver Spot butterfly and Western Lily.



This document was produced by The MidCoast Watersheds Council in 2020. We thank Paul Engelmeyer of Portland Audubon's Ten Mile Creek Sanctuary, Fran Recht of Pacific States Marine Fisheries Commission, Esther Lev, Evan Hayduk of The MidCoast Watersheds Council, The Alsea Stewardship Group, Central Coast Land Conservancy and Pacific Digital Works for making this document a reality. Please see <http://midcoastwatersheds.org> for more details.

PLEASE JOIN IN THESE CONTINUING EFFORTS!

We look forward to supporting and celebrating the new faces and partnerships, conservation and restoration projects and scientific knowledge that will continue to help our natural resources and communities into the future!



WANT TO HELP?

- Explore and enjoy your local estuaries, streams, parks, and national forest lands.
- Attend presentations and meetings to get to know your local groups' work and learn more about conservation topics.
- Sign up for field trips and volunteer events.
- Provide assistance - use your energy, interests and skills to help local groups or donate to show your support.



Photo Credits We thank the photographers for the images in this publication

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- ◇ Briton Ogden, Strategic Aerial
- ◇ Rena Olson
- ◇ Oregon Department of Fish and Wildlife
- ◇ Adriana Morales
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- ◇ Mike Posner
- ◇ Fran Recht
- ◇ Zak Shelhamer
- ◇ Russ Tomlin
- ◇ U.S. Fish and Wildlife Service
- ◇ U.S. Geological Society
- ◇ Anne Walker



INVESTMENTS IN CONSERVATION, RESTORATION, EDUCATION & JOBS

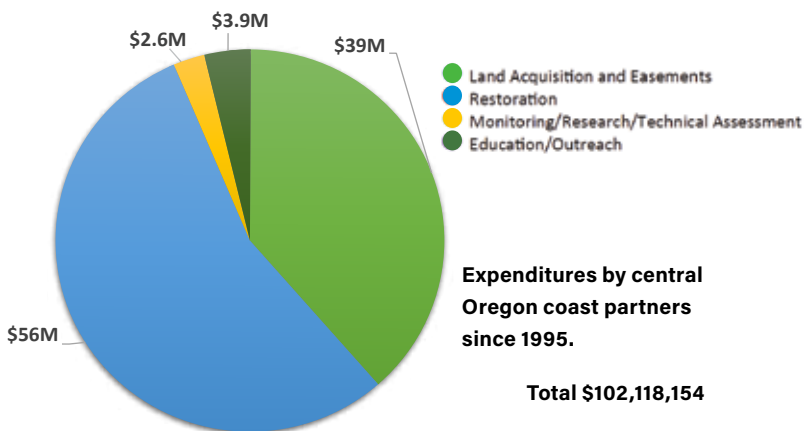
While project goals and success stories are generally about conservation and habitat enhancement for water, fish and wildlife, the work could not be done without collective efforts. To succeed, input from ecologists, surveyors, assessors, equipment operators, helicopter pilots, tree planters, and plant propagators, as well as technical planners, biologists, hydrologists,

engineers and monitors is essential. We also thank all the planting, invasive species removal, seed collection, nursery, and trail volunteers. The expertise and support of agency staff is also critical.

a restoration project. So, the \$56 million restoration work alone, done by the multiple partners over the last 25 years has provided jobs for between 1064 and 1344 people.

THANK YOU!

A University of Oregon study found that between 19 and 24 jobs are generated per million dollars spent on



BUILDING ON EARLIER EFFORTS

CONSERVATION & RESTORATION ON OREGON'S CENTRAL COAST

For many thousands of years prior to European-American settlement, multiple coastal bands of native people inhabiting the watersheds of the Coast Range between the Salmon and Siuslaw rivers harvested and managed natural resources from the ridge tops to the sea. This included use of fire to maintain meadows for harvest of root plants, reeds and grasses for food, medicine, baskets, weaving and ceremony. As tribal lands were appropriated, exploitation of beaver, oysters, fish, and trees and the draining, diking and filling of wetlands became the common practice, degrading habitat quality, streams, wetlands, and forests.

Awareness of the scale and impacts of these changes to our lands and waters in Oregon and across the United State led to passage of the federal Clean Water Act and the Endangered Species Act. Additionally, Oregon's land use planning laws have provided the framework for citizens and agencies to watchdog and gain environmental protections. The large-scale federal and state conservation efforts on the

central coast created the foundation for the work undertaken over the past twenty-five years by Mid Coast Watersheds Council. A key partner is Oregon Watershed Enhancement Board (OWEB) which has facilitated watershed council work since 1995 here and around the state.

The Northwest Forest Plan, adopted in 1994, was instrumental in conserving much of the remaining old forest habitats, including on the Siuslaw National Forest. Subsequent enhancements have included thinning younger stands to accelerate mature forest development for spotted owls and Marbled Murrelets. Riparian planting, adding logs to the stream and replacing undersized culverts have improved conditions for coho salmon.

Citizens have worked tirelessly and patiently to add acreage to these federally protected forests. For example, a forty-year citizen effort resulted in saving 186 acres of land near the mouth of Big Creek, south of Yachats from a resort development.

BLM's Yaquina Head Outstanding Natural Area designated in 1980, is another story of long citizen efforts that conserved coastal



shoreland habitat, large colonies of seabirds and harbor seals, and the peregrine falcons that call the area home.

Over the years, Oregon State Parks and Recreation has conserved land for habitat for rare plants and animals and for recreation. Brian Booth Natural Area is one of the largest examples of park land conserved on the central coast for its habitat importance.



In the 1950s, Oregon Department of Fish and Wildlife (ODFW) began surveying coastal streams to understand the conditions influencing juvenile salmonid survival. Continued annual monitoring of juvenile and adult populations of salmon and steelhead by ODFW has provided data on population levels and fluctuations and relationships to changing land use, hatchery production, weather and climate.



Additionally, the Confederated Tribes of the Siletz Indians has gathered essential information about habitat restoration success including the fish use of restored sites.





SALMON RIVER WATERSHED

In the early 1960s, volunteers organized an effort to protect Cascade Head from development, resulting in The Nature Conservancy acquiring the headlands in 1966. The surrounding forest land owned by the USFS received its own protection in 1974 with a Congressional designation as a Scenic-Research Area to maintain and enhance its scenic and ecological qualities. In 1975, the area was also designated by the United Nations as a Biosphere Reserve. In 2014 an offshore marine reserve was established to protect marine biodiversity. Land stewardship is provided from adjacent landowners, individuals, organizations and agencies.

Results from Oregon Silverspot Butterfly inventories and conservation and restoration planning and action by The Nature Conservancy and U.S. Forest Service have worked to increase violet and nectar plant presence for caterpillars and butterflies in the upland meadows.

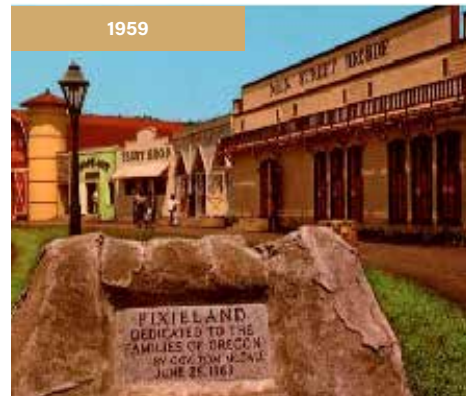
In parallel with these early conservation efforts, the Sitka Center for Art and Ecology was established to expand awareness of the relationships between art, ecology, and humanity, through hosting artists and scientists studying, working and teaching together. Additionally, In 1998 Lincoln City voters approved a bond measure resulting in acquisition of over \$3 M of land for parks and natural areas.

With the uplands largely protected, attention turned to restoring the estuary and its associated wetlands to a “natural estuarine system free from man’s developments”. This goal was based on the role that estuaries and their tidal marshes, swamps, and channels play in providing vital habitat for salmon and hundreds of other species.

However, most of the Salmon River estuary had already been diked for decades to provide land for agriculture, cattle grazing, a trailer park and an amusement park. Like many other conservation success stories, it took 40 years of work led by U.S. Forest Service and assisted by many others, with work on many separate small and large projects between 1978 and 2018, to achieve this vision.

The work included removing pavement, structures, dikes and

undersized culverts that restricted tidal flow, the filling of drainage ditches and the re-creation of natural channels and native plant communities. Today, 636 acres of high value tidal marshes and channels have been restored.



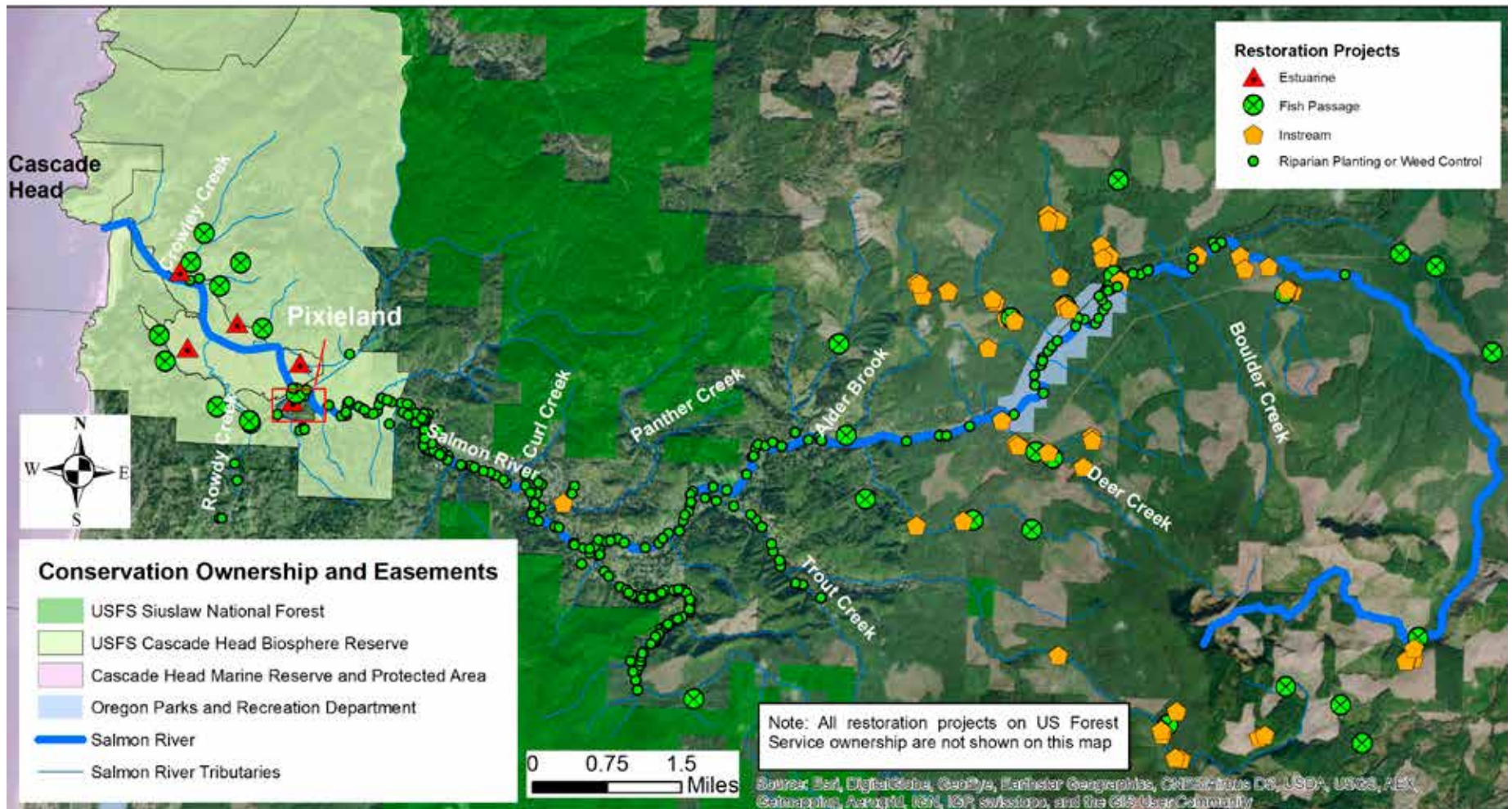


New Discoveries!

As Oregon's first estuary restoration project, extensive research was conducted by Oregon Division of State Lands, Oregon State University, NMFS, ODFW, and USFS. The results have informed goals and designs for later restoration efforts, including in the Siletz, Yaquina, and Alsea. NMFS and ODFW research has shown that

some juvenile Coho salmon use estuaries extensively and those that do tend to survive proportionately better in the ocean before coming back upriver as adult fish. Survival rates for Coho using the is estuary is 20-35% greater than fish that do not use the estuary (and 50-75% higher for Chinook salmon).

Salmon River Watershed- Conservation and Restoration Areas





SILETZ WATERSHED

The Siletz Bay National Wildlife Refuge (*Siletz NWR*) lies near the mouth of Siletz Bay. It is managed by the U.S. Fish and Wildlife Service as one of six wildlife refuges that form the Oregon Coast National Wildlife Refuge Complex. This Complex, supports a rich diversity of wildlife habitats including coastal rocks, reefs, and islands essential for seabirds, forested and grass-covered headlands, estuaries, and freshwater marshes.

The donation of 46 acres of salt marsh near Lincoln City in 1989 became the catalyst for the establishment of the Siletz NWR in 1991. Over time, the USFWS has acquired, 8,830 acres of land and 230 acres of easements from willing landowners, which has allowed cooperative work to restore and enhance marsh and upland habitats for fish, wildlife, and public recreation.

Over the years, a variety of small and large tidal marsh restoration projects have been undertaken to allow salt

water to flow into the marsh. Other actions include filling 1200 feet of artificial ditches, planting native trees and shrubs for salmon habitat. In total about 96 acres of tidal marsh have been restored to health. In 2016 at Alder Island, a new visitor parking area, information kiosk, trailhead, fishing access, and kayak launch area opened to the public.

Restoration Work Highlights

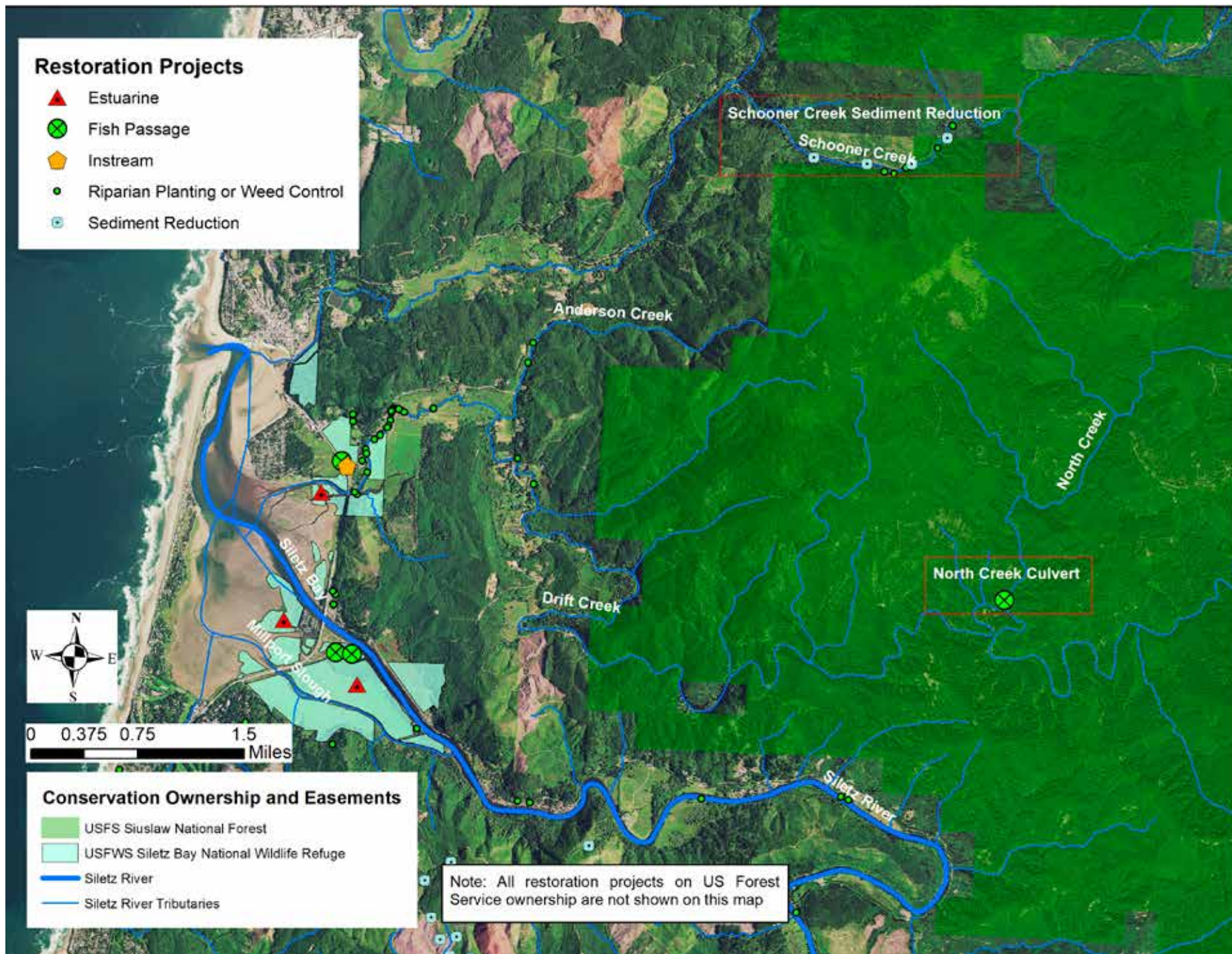
North Creek fish passage project: North Creek is a beautiful cold stream that joins Drift Creek to flow into the Siletz River. However, an undersized road culvert prevented Chinook and Coho salmon and other fish from accessing 16 miles of the stream in the largely undisturbed upper watershed, managed by the USFS for old growth forest conditions. In 2019, the USFS and the MidCoast Watersheds Council completed a \$1.05 million dollar project installing a 50 foot wide, 24 foot tall culvert under the road to allow fish access as well as allowing logs and gravel to pass through the culvert to create healthy downstream conditions. Within months of the project's installation, salmon were spawning in the project area.

Schooner Creek sediment reduction project: Schooner Creek is both an important salmon stream and Lincoln City's primary drinking water source. Sediment from road fill, poorly designed road drainage and culverts and landslides degraded the quality of

the drinking water making treatment costs more expensive and constraining fish use. The Salmon Drift Creek Watersheds Council, USFS, Lincoln City and Lincoln County worked together to assess problems, and design and implement solutions for the problematic 4.6 miles of the road system. Work began with assessments in 2017 and was completed in 2020 at a cost of \$100,000.



Siletz River Watershed- Conservation and Restoration Areas





YAQUINA WATERSHED

The 252-square mile Yaquina watershed provides habitat for thirty species of concern and includes an estuary that supports commercial oyster operations and provides nursery grounds for the salmon and crab that fuel the local fishing fleet.

However, the ecological and economic benefits of the estuary were long under-valued. A 1950's oil spill, identification of several superfund sites in the 1970s and a 2005 ship breaking proposal helped catalyze community interest in conserving and enhancing the Yaquina Estuary.

In response, the MidCoast Watersheds Council (MCWC) began assessments of estuary conservation and restoration opportunities in 1999. As a result, the first two restoration projects occurred in the 2000s, totaling about 70 acres. They were done in a partnership between MCWC, Green Diamond Timber and Georgia Pacific. Those assessments in conjunction

with The Wetlands Conservancy's (TWC)'s 2011 Yaquina estuary Conservation Atlas have resulted in the permanent protection by TWC of 358 acres of habitat in the Lower Yaquina Preserve and 89 acres in the Upper Yaquina Preserve. Other large scale conservation efforts include the Yakona Nature Preserve and the Van Eck Forest.

In 2017, TWC implemented estuary enhancements in Poole Slough, under a mitigation agreement between ODFW and ODOT for fish passage impacts to streams from the construction of the new highway segment between Pioneer Mountain and Eddyville. Fish passage was improved and habitat quality enhanced through placement of large wood, removal of a road and dike, and creation of new tidal channels.

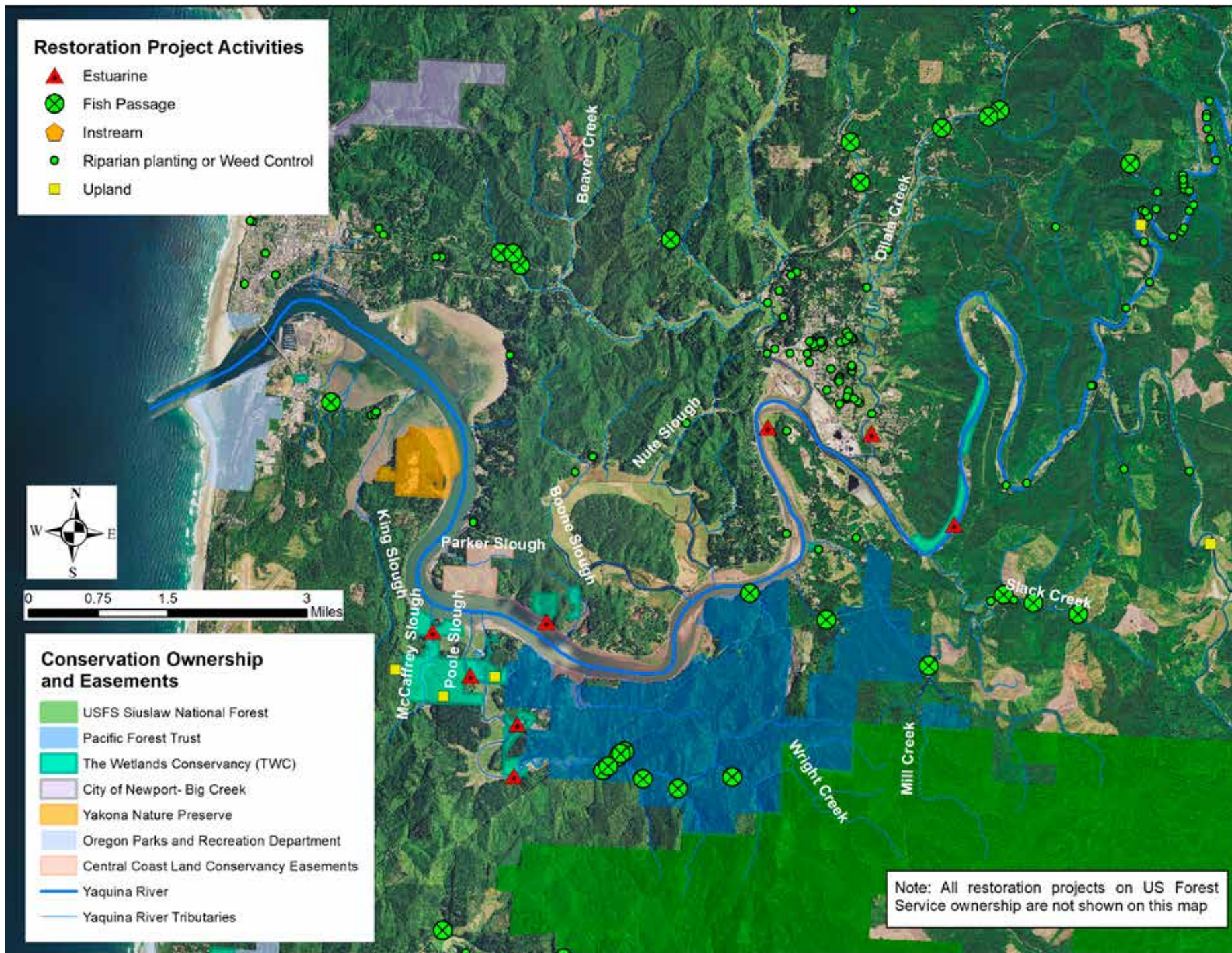
Further tidal marsh and eelgrass restoration work was done in the estuary as mitigation for projects by the Ports of Toledo and Newport. Additionally, Oregon State University and the Confederated Tribes of the Siletz Indians have been pursuing native oyster restoration projects to restore this habitat-forming species. Native oysters once were luxury items shipped to restaurants in San Francisco

and New York in the late 1800s. These oysters were overharvested and mostly gone by 1915.

In the upper watershed, culvert repairs that allowed salmon passage upstream to necessary stream habitat, large wood placements, riparian protection and native plantings and road repairs were also undertaken by timber companies, the MCWC, Pacific Forest Trust, the Lincoln Soil and Water Conservation District, and others.



Yaquina River Watershed- Conservation and Restoration Areas





BEAVER CREEK WATERSHED

The 32,500-acre Beaver Creek basin is largely undeveloped, and supports forestry, agriculture, and recreation. About 40% of the watershed is currently managed for conservation. This includes 11,000 acres of the upper watershed managed by the Siuslaw National Forest for old growth forest conditions.

Wetland and habitat conservation efforts in the basin started in 1996 with a phone call from a local Beaver Creek resident. That call to The Wetlands Conservancy led to their acquisition of the 77-acre Matilda Happ Preserve.

Fourteen years later, Oregon Parks and Recreation Department (OPRD) acquired an additional 400 acres next to this preserve and the adjoining Ona Beach State park. This established the Brian Booth State Natural Area, the 2010 Park of the Year.

Additional acquisitions and easements of old growth forest to protect endangered Marbled Murrelet habitat by OPRD and TWC have also

occurred. As a result, the lower Beaver Creek conservation area now protects a total of 1647 acres of estuary, wetland, riparian and lowland mature forest habitats, and provides low-impact recreational access to the beach, the estuary, and the river. The large complex of fresh water wetlands supports a diversity of migratory and resident birds, waterfowl, and is a critical habitat component for salmon populations in the basin. The adjacent uplands support a range of habitats from meadows to young Sitka spruce and western hemlock forests to older forests suitable for nesting by Marbled Murrelets.

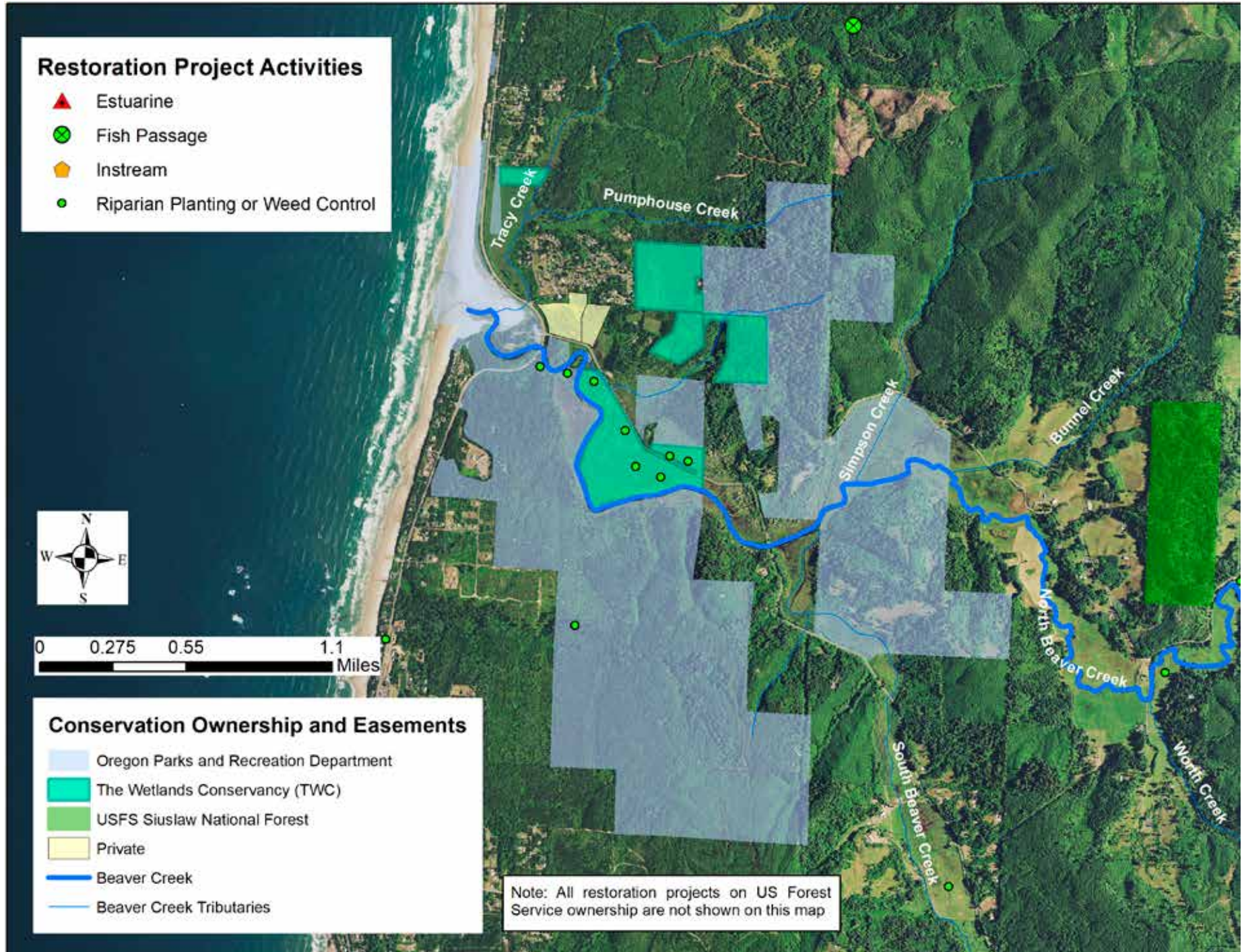
Restoration:

Enhancement efforts by a variety of organizations and individuals have removed yellow flag iris from the wetlands and planted native shrubs and trees along agricultural ditches and channels.

OPRD and the MCWC have established a native plant nursery at Beaver Creek and 13 private property owners are engaged with the MCWC in a coordinated effort to plant 20,000 native trees and shrubs along 60 acres of stream and in the floodplain, working to lower the temperature of the stream and provide cover so that fish will have good shade, food, and refuge.



Lower Beaver Creek Watershed- Conservation and Restoration Areas





LOWER ALSEA WATERSHED

The Alsea River drains a watershed of about 470 square miles containing landscapes that range from heavily forested hillsides to open pastures along the lowlands and riverbanks to an open water inlet and estuary fringed by nearly 700 acres of wetlands. The upland habitats in the Alsea watershed support a range of habitats from meadows to young Sitka spruce/western hemlock forests to older forests suitable for nesting by the rare Marbled Murrelet. Forested areas are owned by federal and private timber companies.

Once supporting a prolific commercial salmon fishery, a dramatic decline in coho salmon coastwide

has resulted in curtailed sport and commercial fishing. This reduction in salmon abundance is severe. Alsea Bay alone once supported 5 fish canneries. Alsea Bay has also been identified as an Important Bird Area for shorebirds, Brown Pelicans, and Greater Yellowlegs

Conservation: In 2003, the Siuslaw National Forest in partnership with Western Rivers Conservancy secured 1,200 acres of upland and tidal marsh habitat in Lower Drift Creek. The NW Forest Plan directs the forest to manage for older growth forest conditions. Pacific Forest Trust's adjacent forest land acquisitions in combination with The Wetlands Conservancy's 241 acre ownerships in Starr Creek and Bayview Oxbow secure connectivity between the Drift Creek Wilderness Area and the Alsea estuary.

Restoration: In 2006, USFS, Alsea Watershed Council and partners

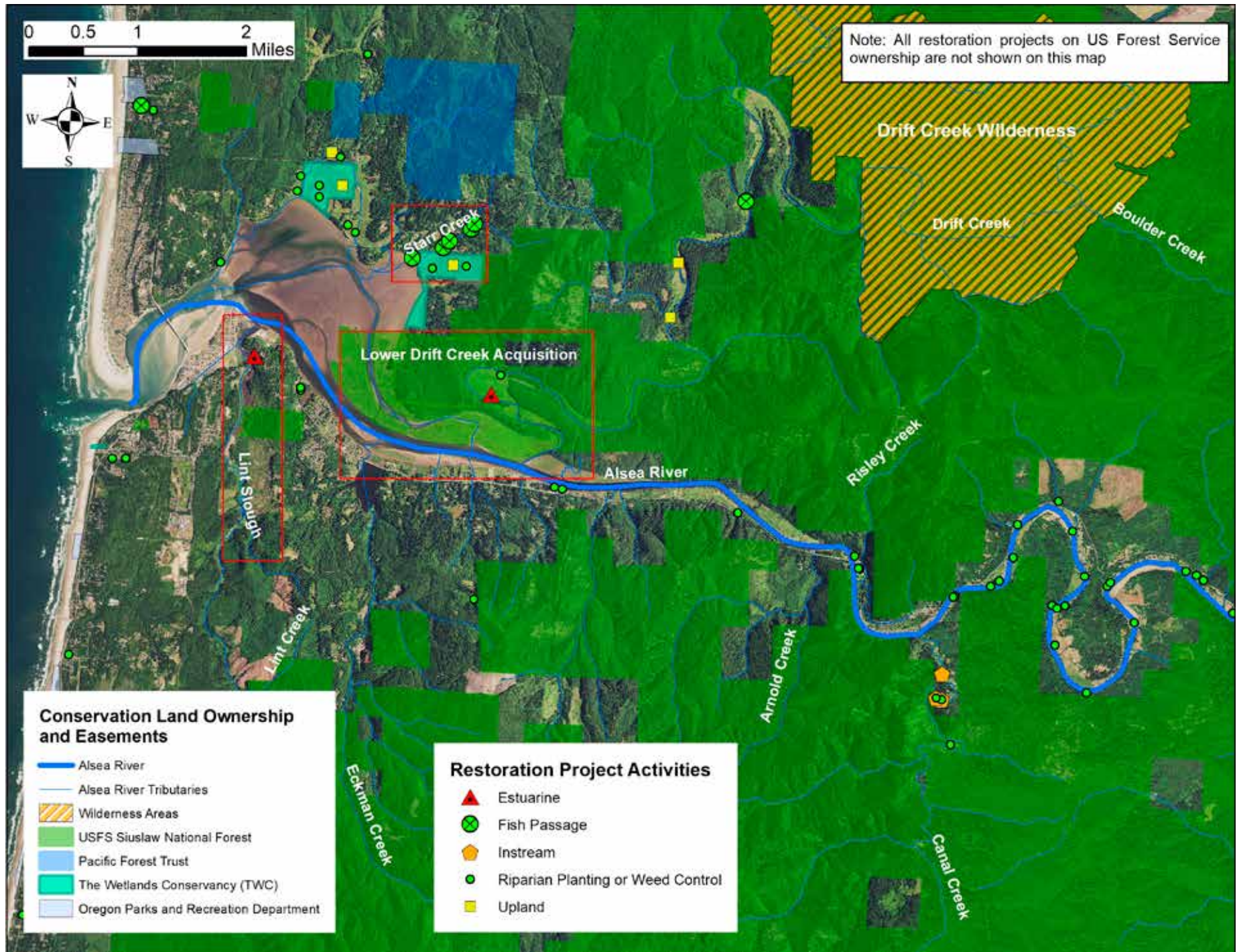
breached 1600 feet of dike and restored hydrology to 82 acres of former marsh habitat.

Large scale, multi-year restoration projects were completed in Lint Slough by ODFW and the MCWC in 2010. This work allows its marshes to become a productive natural fish nursery, after earlier and failed alterations to create a hatchery.

A Starr Creek culvert replacement by Natural Resources Conservation Service and Pacific States Marine Fisheries Commission and an instream enhancement project by MCWC improved spawning habitat conditions resulting in return of coho salmon for the first time in 25 years.



Alesea River Watershed- Conservation and Restoration Areas





CAPE PERPETUA/ TEN MILE CREEK CONSERVATION AREA

The Ten Mile Creek watershed within the Cape Perpetua area near Yachats encompasses approximately 20 thousand acres. The watershed is primarily managed by the Siuslaw National Forest and is located between the Cummins and Rock Creek wilderness areas. This area is part of the largest contiguous coastal spruce/hemlock temperate rain forest left in the lower Pacific Northwest.

Portland Audubon Society has led many successful efforts to protect and restore critical habitat for multiple endangered species. This work includes efforts within the 116 acre Ten Mile Creek Sanctuary and surrounding conservation properties.

ODFW has recognized and managed Ten Mile Creek and surrounding streams (Cummins, Rock, Bob, and Cape Creeks) as an important haven

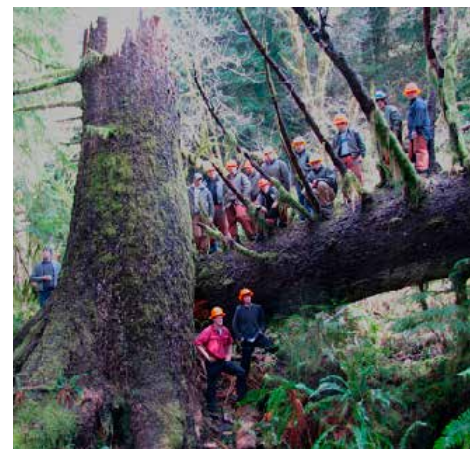
for production of wild salmonids. Young steelhead and cutthroat trout, endangered coho and chinook salmon rear in these streams. Pacific lamprey and endangered eulachon also use these coastal creeks.

The Cummins Creek/Ten Mile/Rock Creek areas total approximately 80,000 acres. They are the centerpiece of a designated Globally Significant Bird Area, an international designation for a conserved site which differs in character, habitat or importance from the surrounding habitat.

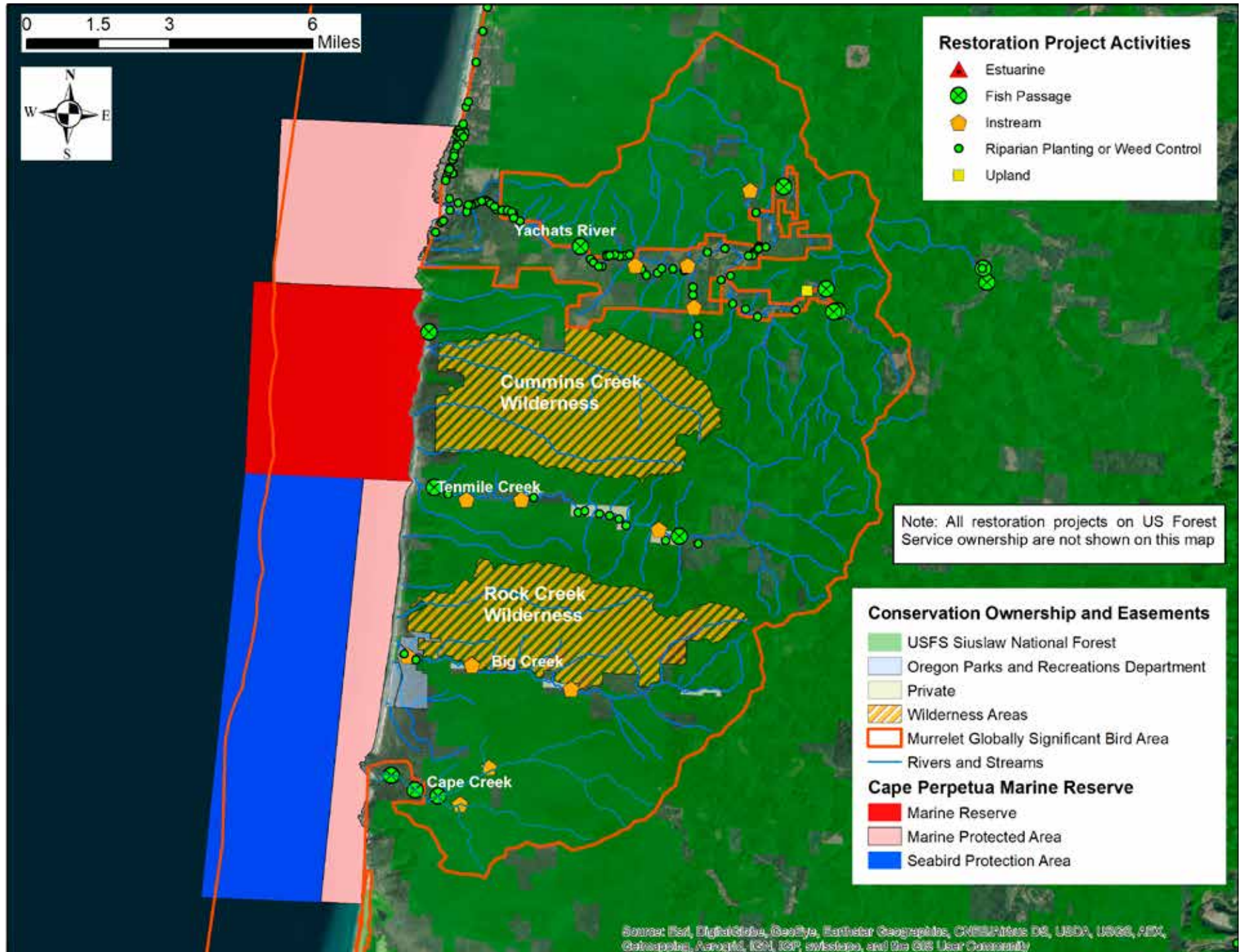
Portland Audubon’s work with private landowners and foundations and the work of Oregon State Parks and the USFS has led to the protection and restoration of an additional 1,500 acres of forest and stream habitat for multiple endangered species including the Marbled Murrelet. This seabird has been both federally and state listed as threatened since the mid 1990’s.

The corresponding Marine Reserve off Cape Perpetua is included in the Globally Significant Bird Area designation since Marbled Murrelets spend most of their life at sea, except for nesting in old growth forests where there are thick mats of moss on large branches for eggs to be laid. The adult birds catch ocean prey such

as sandlance and herring and fly up to 60 miles back to the forest to feed their young.



Cape Perpetua/ Ten Mile Creek- Conservation and Restoration Areas



A SALUTE TO OUR COLLECTIVE WORK

The commitment to and stewardship of the landscape we call home has involved a lot of individuals and groups, built new collaborations and fostered long time friendships. It is truly an impressive legacy to leave for those who will lead efforts into the future

FUNDERS

- ◇ Finlay Anderson and Amy Turnball
- ◇ Benton County
- ◇ Jane and Frank Boyden
- ◇ Cascade Pacific Resource Conservation & Development
- ◇ City of Lincoln City
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- ◇ National Forest Foundation (NFF)
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- ◇ Northwest Oregon Restoration Partnership (NORP)
- ◇ NOAA Restoration Center
- ◇ Oregon Community Foundation
- ◇ Oregon Department of Agriculture (ODA)
- ◇ Oregon Department of Fish and Wildlife (ODFW)
- ◇ Oregon Dept of Environmental Quality (DEQ)
- ◇ Oregon Department of Transportation (ODOT)
- ◇ Oregon Ecology Education Fund
- ◇ Oregon Parks and Recreation Department (OPRD)
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- ◇ Gale Ousele
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- ◇ Douglas Schadd
- ◇ John Sherman
- ◇ Shotpouch Creek Foundation
- ◇ Doug Skidmore and Heidi Beebe
- ◇ Sheryl Smith
- ◇ James Stannard Foundation
- ◇ Jubitz Foundation
- ◇ Peter Tronquet
- ◇ Royal Rangers Oregon Council
- ◇ The Timber Company
- ◇ U.S. Bureau of Land Management (BLM)
- ◇ U.S. Environmental Protection Agency (EPA)
- ◇ U.S. Fish and Wildlife Service (USFWS)
- ◇ U.S. Forest Service-Siuslaw National Forest (USFS)
- ◇ Wild Salmon Center
- ◇ Marjorie Wolfe, Wolf Water Resources
- ◇ Worthy Garden Club
- ◇ Martha and Tim Wylder

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- ◇ Biosurveys, Inc.
- ◇ Boise Cascade
- ◇ Career Tech Charter High School
- ◇ Coastal Cutthroat Consulting
- ◇ ESA Associates
- ◇ Greenpoint Consulting
- ◇ Institute for Applied Ecology
- ◇ National Marine Fisheries Services (NMFS)
- ◇ Oregon Coast Community College
- ◇ Oregon Department of Fish and Wildlife (ODFW)
- ◇ Oregon Division of State Lands (DSL)
- ◇ Oregon State University (OSU)
- ◇ Plum Creek Timber
- ◇ River Design Group
- ◇ South Slough Estuarine Research Reserve
- ◇ Si Simenstad
- ◇ U.S. Army Corps of Engineers
- ◇ U.S. Fish and Wildlife Service (USFWS)
- ◇ U.S. Forest Service (USFS)
- ◇ U.S. Environmental Protection Agency (EPA)
- ◇ University of Washington Wetlands Ecosystem Team
- ◇ Weyerhaeuser
- ◇ Wolf Water Resources
- ◇ Hull Oakes Company
- ◇ Knottworks Construction
- ◇ Lane County Public Works
- ◇ Lincoln County Public Works
- ◇ Lincoln County Soil and Water Conservation District
- ◇ Lincoln County School District
- ◇ Paul Lindsey
- ◇ Luckini Construction
- ◇ Miami Timber
- ◇ MidCoast Watersheds Council
- ◇ Mountain Rose Herbs
- ◇ Quinn Murk
- ◇ Native Fish Society
- ◇ Natural Resource Conservation Service
- ◇ Natural Resource Crews
- ◇ North Lincoln Sanitary Service
- ◇ Oregon Coast Community Forest Association
- ◇ Oregon Department of Fish and Wildlife
- ◇ Oregon Department of Forestry
- ◇ Oregon Parks and Recreation
- ◇ Oregon Shores
- ◇ Oregon State Bridge Construction
- ◇ Oregon State Police
- ◇ Oregon State University Community Engagement & Leadership
- ◇ Oregon State University Extension Service
- ◇ Pacific Forest Trust
- ◇ Pacific States Marine Fisheries Commission
- ◇ Plum Creek Timber
- ◇ Port of Alsea
- ◇ Port of Newport
- ◇ Port of Toledo
- ◇ Road and Driveway
- ◇ Salmon Drift Creek Watersheds Council
- ◇ Seal Rock Water District
- ◇ Siletz Valley School
- ◇ Siletz Watershed Council
- ◇ Simpson Resources Company
- ◇ SOLVE
- ◇ Starker Forests
- ◇ Ten Mile Creek Sanctuary of Portland Audubon Society
- ◇ The Nature Conservancy
- ◇ The Wetlands Conservancy
- ◇ Thompson Disposal
- ◇ Toledo Department of Parks and Recreation
- ◇ Trask Design and Construction
- ◇ Trask Consulting
- ◇ Trout Unlimited- Bluebacks Chapter
- ◇ U.S. Bureau of Land Management
- ◇ U.S. Forest Service- Siuslaw National Forest
- ◇ U.S. Fish and Wildlife Service
- ◇ Van Eck Forest Trust
- ◇ View the Future
- ◇ Weyerhaeuser
- ◇ Wilderness Volunteers
- ◇ Yakona Preserve
- ◇ Yaquina Birder and Naturalists
- ◇ You da Man

IMPLEMENTERS

- ◇ 350 Oregon Coast
- ◇ Alsea School District
- ◇ Alsea Stewardship Group
- ◇ Alsea Watershed Council
- ◇ Angell Job Corps- forestry crews
- ◇ Beaver Creek Community
- ◇ Benton County
- ◇ Benton Soil and Water Conservation District
- ◇ Biosurveys, Inc. Steve Trask
- ◇ Boise Cascade/Forest Capital Partners
- ◇ Central Coast Land Conservancy
- ◇ City of Lincoln City
- ◇ City of Newport
- ◇ City of Siletz
- ◇ City of Toledo
- ◇ City of Waldport
- ◇ Columbia Helicopter Company
- ◇ Community Services Consortium
- ◇ Confederated Tribes of the Siletz Indians
- ◇ Confederated Tribes of the Coos, Lower Umpqua & Siuslaw Indians
- ◇ Dahl Disposal Service
- ◇ Don Davis
- ◇ Drift Creek Organizational Camp
- ◇ Eddyville Charter School
- ◇ Georgia-Pacific
- ◇ Green Diamond Timber
- ◇ Hancock Forest Management
- ◇ Hatfield Marine Science Center
- ◇ Hebo Stewardship Group
- ◇ Hire the Fisher crew
- ◇ Hull Oakes Company
- ◇ Knottworks Construction
- ◇ Lane County Public Works
- ◇ Lincoln County Public Works
- ◇ Lincoln County Soil and Water Conservation District
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INDIVIDUALS

Sam Adams	Jeff Feldner	Mike Kelly	Don Pauls	Tammy Stickrod
Jim Alder	Danielle Feldner	Mike Kennedy	Boann Perry	Mark Stone
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Laura Anderson	Mark Fieber	Jason Kirchner	Ron Phillips	Ken Sund
Don Andre	Carl Finley	Andy Kittel	David Pickering	Marie Sund
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Marc Barnes	Ralph Garano	Larry Kramer	David Powell	Margaret Tackett
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Bill Barton	Michael Gibbons	Josh Lambert	Hans Ratdke	Paul Thomas
Caroline Bauman	Wayne Giesy	Michael Lance	Bill Ratliff	Greg Torland
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Karen Bennett	Tom Gory	Sherry Laier	Maryann Reiter	Dan Twitchell
Duncan Berry	Conrad Gowell	Don Larsen	Hui Rodomsky	Jeff Uebel
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Gary Blanchard	Trevor Griffiths	Celeste Lebo	Kevin Roberts	Madeleine Vander-
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Dan Bottom	David Hawker	Jeff Light	Bill Rogers	Randy van Prooyen
Peter Bray	Evan Hayduk	Ginger Lindekugel	Henry Ronden Pos	Carol Van Strum
Lana Brodziak	Jen Hayduk	Bob Llewellyn	Mark Saelens	Peter Vince
Mike Broili	Jennifer Haynes	Michelle Long	John Sanchez	Doni Vogel
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Jan Christensen	Lori Hollingsworth	Peg Mayo	Paul Seitz	Derek Wilson
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Mike Clark	Amy Horstman	Barry McPherson	Joyce Sherman	Zack Wilson
Pip Cole	Eric Horvath	Peter McSwain	Kirk Shimewal	Kip Wood
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Kate Danks	Shannon Hubler	Justin Mills	Anne Sigleo	John Wooley
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Aaron Duzik	Kim Jones	Walt Nelson	Jim Stafford	
Katie Duzik	Michele Jones	Melissa Newman	Joe Steenkolk	
Ron Eckfield	Cyndi Karp	Jackie Niemi	Joe Steere	
Dan Elefant	Paul Katen	Parker Ogburn	Tony Stein	
Kami Ellingson	Bob Kemp	Boone Ogden	Gary Stickrod jr.	
Paul Engelmeyer	Joel Keller	Paul Olmsted	Gary Stickrod sr.	
Matt Fehrenbacher	Liz Kelly	Elmer Ostling	Marshall Stickrod	

We apologize for any inadvertent omissions of names of individuals or groups

Please contact the MidCoast Watersheds Council with corrections for our online version.