

SEAL ROCK WATER DISTRICT
Board of Commissioners
Regular Monthly Board Meeting
Thursday, August 10, 2023, @ 4:00 p.m.
Public Meeting by Zoom Video Conference

SRWD will hold this meeting through Zoom video conferencing. Due to the limited capacity for in-person meetings, the public is invited to attend this meeting electronically. Please E-mail tkarlsen@srwd.org to receive the meeting login information. SRWD encourages the public to submit written comments on items included in the agenda by email to tkarlsen@srwd.org by 2:00 p.m. on the day of the meeting to be included as public testimony. Comments received will be shared with the SRWD Board of Commissioners and included in 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 | July 2023 to August 2023 |
| • Board Meeting Minutes | July 13, 2023 |
| • Budget & Rate Hearing Board Meeting Minutes | May 11, 2023 |
| • Financial Report / Approve Invoices | July 2023 to August 2023 |
| • USDA PMR Phase IV No. 36 | August 10, 2023 |
| • General Manager's Monthly Report | July 2023 to August 2023 |

- **Discussion and Information Items:**

- Consider Primary Source Water Project Update
Presented by: Adam Denlinger, General Manager
Jeff Hollen, SRWD General Counsel

- **Decision Items:**

- None

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

- August 2, 2023, Lincoln County Declaration Of Drought Emergency
- August 1, 2023, Secretary of State Oregon Audits Division
- August 4, 2023, SRWD Beaver Creek Hazardous Algae Bloom (HAB's) Results

- **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 to leave the room. Representatives of the news media are specifically directed not to report on any of the deliberations. No final decisions shall be made in Executive Session.

- **Adjournment: Next Meeting: September 14, 2023, @ 4:00 p.m.** Regular Board Meeting or establish date.

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				
ANTHONY &/OR SHARON REZE	071423	Refund Overpayment Final Bill	07/14/2023	41.15
JACK WHALEY	072523	Refund Overpayment Final Bill	07/25/2023	16.91
Total 01-1310:				58.06
01-5208				
GS WATER SOLUTIONS INC.	00500.020-4	Beaver Creek Year Streamflow Monitoring Support Services June 1 -June 30,2023	07/12/2023	5,610.04
Total 01-5208:				5,610.04
01-5271				
CHARTER COMMUNICATIONS	001293707192	Internet (Office)	07/19/2023	129.98
Total 01-5271:				129.98
01-5272				
AT&T MOBILITY	07232023	Wireless	07/15/2023	176.14
Total 01-5272:				176.14
01-5274				
AT&T MOBILITY	07232023	Wireless WTP	07/15/2023	51.33
Total 01-5274:				51.33
01-5280				
XEROX CORPORATION	019224023	Xerox 3655X Print Charges	07/01/2023	16.10
XEROX CORPORATION	019224024	Xerox 7845 Print Charges (Black)	07/01/2023	9.51
XEROX CORPORATION	019224024	Xerox 7845 Print Charges (Color)	07/01/2023	92.90
Total 01-5280:				118.51
01-5290				
STAPLES BUSINESS ADVANTA	8070798159	BIC Round Stic Xtra-Life Ballpoint Pens, Medium Point, Black Ink, 60/Pack	07/01/2023	4.75
STAPLES BUSINESS ADVANTA	8070798159	Sharpie Tank Highlighter,Chisel Tip, Fluorescent Green	07/01/2023	.68
STAPLES BUSINESS ADVANTA	8070798159	TRU RED "8.5 x 11" Copy Paer, 20lbs., 92 Brightness, 500/Sheets/Ream, 5 Ream	07/01/2023	88.96
Total 01-5290:				94.39
01-5291				
US POSTAL SERVICE - WALDP	072023	Bulk Mailing	07/20/2023	950.58
Total 01-5291:				950.58
01-5410				
AT&T MOBILITY	07232023	Iphone 14P 128GB for GM	07/15/2023	648.99
Total 01-5410:				648.99
01-5605				
WALDPOR ACE HARDWARE	210099	Vinegar White Distilled Gallon	07/17/2023	31.98

Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount
Total 01-5605:				31.96
01-5610				
CENTRAL LINCOLN P.U.D.	072123	Utility Services	07/21/2023	1,065.87
Total 01-5610:				1,065.87
01-5611				
CENTRAL LINCOLN P.U.D.	072123	WTP Utility Services	07/21/2023	2,243.96
Total 01-5611:				2,243.96
01-5628				
LINCOLN COUNTY PUBLIC WO	6437	Fuel - WTP Vehicle	07/01/2023	108.32
Total 01-5628:				108.32
01-5630				
USA BLUE BOOK	INV00071347	Aluminum heavy duty hydrant valve	07/13/2023	675.28
USA BLUE BOOK	INV00071347	dpd free chlorine reagents 10ml	07/13/2023	246.00
Total 01-5630:				921.28
01-5631				
TRUCK PROS	7034	Seat Cover 2022 Dodge Ram Dumptruck	06/30/2023	520.50
Total 01-5631:				520.50
01-5632				
LINCOLN COUNTY PUBLIC WO	6435	Fuel - GM/Field Vehicles	07/01/2023	1,214.98
Total 01-5632:				1,214.98
Grand Totals:				13,944.89

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Dated: 7/27/23

General Manager: [Signature]

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	165	Stipend	08/10/2023	50.00
KAREN OTTA	81	Stipend	08/10/2023	50.00
PAUL HIGHFILL	26	Stipend	08/10/2023	50.00
ROB MILLS	164	Stipend	08/10/2023	50.00
SAUNDRA MIES-GRANTHAM	164	Stipend	08/10/2023	50.00
Total 01-5064:				250.00
Grand Totals:				250.00

Dated: 8-3-2023

General Manager: *A. N. [Signature]*

Dated: _____

Treasurer: _____

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**SEAL ROCK WATER DISTRICT
MINUTES OF THE
Regular Board Meeting
by Zoom Conference Call and In Person
July 13, 2023**

Introduction to Remote Meeting:

Denlinger, General Manager, explained that this board meeting is being conducted remotely and in person. Due to the limited capacity for in-person meetings, the public is invited to attend this meeting electronically. He further explained that the Board President will call each name to confirm those who are present via Zoom conference. After each person hears their name, they need to reply. For each decision item on the agenda that needs to be approved, after discussion and deliberation, the Board President will call each name of the commissioner for their vote. After the commissioners hear their names, he or she will give a vote in the affirmative by saying YES or negative by saying NO.

Call Regular Meeting to Order:

President Rob Mills called the work session & regular board meeting to order at 4:00 p.m., Thursday, July 13, 2023.

Present:

President Rob Mills confirmed that all commissioners present can hear each other by doing a roll call. Present on Zoom Conference Call was Commissioner Saundra-Mies Grantham, Secretary. Present in person in the Board room were Commissioner Rob Mills, Board President; Commissioner Karen Otta, Treasurer; and Commissioner Glen Morris, Member. Attorney Jeff Hollen, Legal Counsel. Staff: Adam Denlinger, General Manager; Joy King-Cortes, Office Manager.

Excused Absences: Commissioner Paul Highfill.

Announcements/Public Comments:

President Rob Mills asked if there are any announcements.

Commissioner Karen Otta had no announcement; Commissioner Saundra-Mies Grantham had no announcement; Commissioner Glen Morris had no announcement; Joy King-Cortes, Office Manager had no announcement; General Manager, Adam Denlinger had no announcement; Attorney Jeff Hollen had no announcement; President Rob Mills had no announcement.

Swearing in of Re-elected Board of Commissioners:

A Special Election was held on May 16, 2023. Commissioner Glen Morris was re-elected as a Seal Rock Water District Commissioner, Position 4, for a 4-year term which will expire on 6/30/2027. Commissioner Rob Mills was re-elected as a Seal Rock Water District Commissioner, Position 5, for a 4-year term which will expire on 6/30/2027. Both commissioners took the Official Oath of Office to affirm that they will support the Constitution of the United States of America and the Constitution of the State of Oregon and will faithfully and honorably serve in the office of an SRWD Commissioner to the best of their ability. The Official Oath was administered and notarized by Joy King-Cortes, a notary public.

Public Comments:

Mr. Julio Jimenez Perilla wanted to talk with staff regarding his water rates and his water bill. The office was closed for the day, so he attended the meeting and was given time to comment. After his public comments regarding the rate increase and his water bill, he gave his contact information to the office staff who will answer his questions during working hours.

Consent Calendar:

Items on the consent calendar are June/July 2023 Invoices List for approval; May 11, 2023, and June 8, 2023, Regular Board Meeting minutes; June/July 2023 Financial Report; USDA PMR Phase IV No. 35; and General Manager's Monthly Report. President Rob Mills asked if each commissioner reviewed the consent calendar items. Commissioner Karen Otta answered YES; Commissioner Saundra Mies-Grantham answered YES; Commissioner Glen Morris answered YES; and President Rob Mills answered YES. May 11, 2023, minutes will be approved in the August Board meeting since there was no majority present to approve it. Commissioner Karen Otta motioned to approve the consent calendar not including the May 11, 2023, Board Meeting Minutes. Commissioner Glen Morris seconded the motion. Commissioner Glen Morris abstained from voting. The motion passed 3 voted YES and 1 abstained from voting.

Discussion and Information Items:

Primary Source Water Project Update: On the evening of July 6, water treatment operators were alerted of water on the floor at the water treatment plant. Crews discovered that a pipe connecting the lower end of the membrane module had completely shattered causing flooding throughout the building including the operations and electrical room. The crews were able to repair the module and spent considerable time performing extensive cleanup. The SRWD operators are

63 working with engineers from Jacobs and the manufacturer (Westech) to find out what may have caused the pipe to
64 shatter.

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66 **Water Quality:**

67 The office staff received calls from customers regarding the chlorine smell in the water. Beaver Creek is 10 degrees
68 warmer than normal, and the stream flow is also low. This condition adds organic materials to the water in Beaver Creek.
69 The bench scale model that the engineer did in 2016-17 showed in the summer months Beaver Creek would have higher
70 organics but the water could be treated. Due to higher water temperatures and extremely low flow, there are more organic
71 materials in the water than during the bench scale model done by the engineers 2 years before the project started. The
72 operators have to use more pretreatment chemicals and perform more frequent backwashing to keep the filter skids
73 clean. Operators are keeping up with the conditions, however, staff is looking into other treatment options to resolve the
74 poor water quality issue during low flow conditions. This may include the installation of a Granular Activated Carbon
75 (GAC) filter system on the finished water to reduce the taste and odor complaints. Staff had discussed this with Holly
76 Halligan, USDA Area Specialist and she indicated that the cost of GAC could be included in the project cost to be paid
77 from the remaining grant, if any.

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79 **Job Description Update:**

80 The results of the salary survey information provided by HR Answers consultants and in compliance with the state's pay
81 equity requirements, the job descriptions of two district staff need to be updated based on performance and job
82 expectations. The job title Utility Billing Clerk should include Automated Meter Integration (AMI) Specialist. The job title
83 Office Manager should include Finance Manager.

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85 **Decision Items:**

86 **Abstract of Votes:** Staff received the Official Abstract of Votes for the May 16, 2023, Special Elections from Lincoln
87 County Assessor's Office. The Final Official Election Results need to be approved by the Board per ORS 255.295.
88 Commissioner Glen Morris received 703 votes and Commissioner Rob Mills received 690 votes. It was motioned by
89 Commissioner Glen Morris to approve and accept the May 16, 2023, Special Election Final Official Results.
90 Commissioner Karen Otta seconded the motion. The motion passed 4 – 0.

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92 **Reports, Comments, Correspondence:**

93 There was a minor revision in the 2022 Annual Consumer Confidence Report (CCR). It has been posted on the District's
94 website, filed, and certified by OHA-Drinking Water Services.

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96 **Recessed Regular Board Meeting:** President Rob Mills recessed the Regular Board Meeting at 5:10 p.m. to go into an
97 Executive Session.

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

100 The SRWD Board may meet in Executive Session, pursuant to ORS 192.660(2)(h); To consult with legal counsel
101 concerning the legal rights and duties of a public body with regard to current litigation or litigation likely to be filed.
102 Representatives of the news media and designated staff shall be allowed to attend the executive session. All other
103 members of the audience are asked to leave the room. Representatives of the news media are specifically directed not to
104 report on any of the deliberations. No final decisions shall be made in the Executive Session.

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106 **Reconvened Regular Board Meeting:** President Rob Mills adjourned the Executive Session and reconvened the
107 Regular Board Meeting at 5:50 p.m.

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109 **Adjournment:** Motioned by Commissioner Glen Morris to adjourn the meeting. The motion was seconded by
110 Commissioner Karen Otta. The meeting was adjourned at 5:54 p.m.

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112 **Next Board Meeting:** August 10, 2023, at 4:00 p.m. Regular Board Meeting.

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120 Approved by Board President

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**SEAL ROCK WATER DISTRICT
MINUTES OF THE
Regular Board Meeting, Rate Hearing, and Budget Hearing
by Zoom Conference Call and In Person
May 11, 2023**

Introduction to Remote Meeting:

Denlinger, General Manager, explained that this board meeting is being conducted remotely and in person. Due to the limited capacity for in-person meetings, the public is invited to attend this meeting electronically. He further explained that the Board President will call each name to confirm those who are present via Zoom conference. After each person hears their name, they need to reply. For each decision item on the agenda that needs to be approved, after discussion and deliberation, the Board President will call each name of the commissioner for their vote. After the commissioners hear their names, he or she will give a vote in the affirmative by saying YES or negative by saying NO.

Call Regular Meeting to Order:

President Rob Mills called the work session & regular board meeting to order at 4:01 p.m., Thursday, May 11, 2023.

Present:

President Rob Mills confirmed that all commissioners present can hear each other by doing a roll call. No one was present on Zoom Conference Call. Present in person in the Board room were Commissioner Rob Mills, Board President; Commissioner Glen Morris, Member; Commissioner Paul Highfill, Member. Attorney Jeff Hollen, Legal Counsel. Staff: Adam Denlinger, General Manager; Joy King-Cortes, Office Manager. Members of the public attending through Zoom were Teresa Denlinger and Claire Gerdes.

Excused Absences: Commissioners Karen Otta and Sandra Mles-Grantham

Announcements/Public Comments:

President Rob Mills asked if there are any announcements.

Commissioner Glen Morris recommended moving the rate hearing and budget hearing after approving the consent calendar on the agenda so that those attending don't need to wait. Commissioner Paul Highfill had no announcement; Joy King-Cortes, Office Manager had no announcement; General Manager, Adam Denlinger had no announcement. Attorney Jeff Hollen had no announcement. President Rob Mills had no announcement.

Consent Calendar:

Items on the consent calendar are April/May 2023 Invoices List for approval; April 13, 2023, Regular Board Meeting minutes; April/May 2023 Financial Report; and General Manager's Monthly Report. President Rob Mills asked if each commissioner reviewed the consent calendar items. Commissioner Glen Morris answered YES; Commissioner Paul Highfill answered YES; and President Rob Mills answered YES. Commissioner Glen Morris motioned to approve the consent calendar. Commissioner Paul Highfill seconded the motion. The motion passed 3-0.

Rate Hearing: President Rob Mills open the public hearing at 4:05 pm in accordance with ORS Chapter 294.312, to receive public comments regarding the proposed water rate adjustment for FY 203-24. The GM, Adam Denlinger explained that the cost of materials and services has gone up 35%, affecting the district's operation. In the last two years, the board decided not to increase the rates and see how the new water treatment plant affects operational costs when completed. There are new costs in running the new water treatment plant like chemicals, utilities, and regulatory requirements. The district is subject to compliance with the EPA's new Lead and Copper Rule and increase sampling for testing.

The required public notice was provided to customers as inserts to the monthly bills. The staff received six emails from the customers and were included as public testimonies in the board meeting packet. The staff received additional four emails this morning which are added to the meeting packet as part of the public testimonies. One of the emails is from Claire Gerdes who is present through Zoom. President Rob Mills asked Ms. Gerdes if she has additional comments to which she replied that her testimony/comment is contained in the email and that she has no additional comment at this time.

Budget Hearing:

President Rob Mills closed the rate hearing at 4:10 pm and opened the budget hearing for public testimony. The FY 2023-24 Budget includes the amount for the annual operations of the district, annual loan payments, and contributions to required reserves. On April 20, 2023, at 6:00 pm, the Budget Committee held a meeting to review and approve the proposed budget in the amount of \$10,749,570. The staff did not receive any written comments regarding the budget approved by the Budget Committee. President Rob Mills asked the public present through Zoom if she had any comments to which she replied she has no comment. President Rob Mills closed the budget public hearing at 4:15 pm and reconvened the regular board meeting

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Discussion and Information Items:

Primary Source Water Project Update: The Water Treatment Plant is operating for a month now without interruption. The contractor has been on-site to work on items on the punch list. The contractor used a camera in locating the problem with the drain line. It was discovered that the problem is not under the concrete but outside the WTP between the building and the wash basin where there is a crack on the pipe. Excavation to repair the drain pipe is scheduled for next week. On April 27, the SRWD staff and engineers hosted a tour of the Water Treatment Facility for the Makai Community which is most impacted by the project. The engineers at the beginning of the project, Paul Berg and Tom Engleson attended the tour and answered questions from the customers. John Filbert who was a board member in the beginning phase of the project also attended the tour which was attended by about 60 people who took the opportunity to see how water is treated from Beaver Creek through the Ultra Membrane Filtration before water is delivered to the customers.

Decision Items:

Consider Approving Amendment No. 4 to Owner – Engineer Agreement:

Jacobs Engineer submitted Amendment No. 4 to increase the contract by \$36,560. This cost is due to continued support caused by the delays in project completion. This cost is not covered by USDA loans and grants and will be paid from the district’s money in the Capital Projects Fund. Commissioner Glen Morris motioned to approve Amendment No. 4. Commissioner Paul Highfill seconded the motion. The motion was passed 3 – 0.

Consider Approving Resolution No. 0523-01:

During the April 20, Budget Committee Meeting it was discussed that the Depreciation/Short-lived Assets Replacement Account (SLARA) Fund description needs to be amended to include: paying for repairs and/or replacement of major system assets based on the preliminary report schedule of short-lived assets with an estimated life of 15 years or less as specified by USDA Letter of Conditions. Commissioner Glen Morris motioned to approve Resolution 0523-01. Commissioner Paul Highfill seconded the motion. The motion was passed 3 – 0.

Reports, Comments, Correspondence:

The office will be closed on May 9, in observance of Memorial Day. The district received a Drinking Water Services Outstanding Performance Certificate from the Oregon Health Authority (OHA) as a result of the water system survey performed by OHA on March 13, 2023. The SRWD water system facilities were found to be well-operated and maintained by knowledgeable staff. As an Outstanding Performer, the next system survey will be done in five years instead of every 3 years.

The district also received the Pacific Northwest Meter System of the Year 2023 at the Utility Solution Expo in Seaside. The district received this award for the team’s vision and determination to take the smart water grid system and customer service to the next level. The award was accepted by Brendi Hoch and Brad Wynn who attended the expo.

Recessed Regular Board Meeting: President Rob Mills recessed the Regular Board Meeting at 4:32 p.m. to go into an executive Session.

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 to leave the room. Representatives of the news media are specifically directed not to report on any of the deliberations. No final decisions shall be made in Executive Session. The public who attended the meeting through Zoom were excused from the executive session.

Reconvened Regular Board Meeting: President Rob Mills adjourned the Executive Session and reconvened the Regular Board Meeting at 5:15 p.m.

Adjournment: Motioned by Commissioner Glen Morris to adjourn the meeting. The motion was seconded by Commissioner Paul Highfill. The meeting was adjourned at 5:16 p.m.

Next Board Meeting: June 8, 2023, at 4:00 p.m. Regular Board Meeting.

Approved by Board President Date:

SRWD Monthly Financial Report

Monthly Statistics		Comments			
Total customers	2672	Includes new connects Less Abandoned / Forfeited meter plus 3 SRWD meters (shop X 2 & office) plus 1 Hydrant meter			
New connections	0				
Reinstalls	0				
Abandonments/Forfeitures/Meter Removed	0				
Financial Report	Checking/MM	LGIP/PFMMA	Fund Balances	Comments	
General	\$495,374.23	\$18,098.70	\$513,472.93		
Bond	\$674,708.85	\$0.00	\$674,708.85		
Capital Projects	\$110,850.01	\$68,577.73	\$179,427.74	\$7,421,586 Interim Loan Proceeds	
Revenue Bond	\$2,793.99	\$4,366.58	\$7,160.57		
Rural Development Reserve	\$0.00	\$98,674.05	\$98,674.05		
Dist. Office/Shop Reserve	\$3,614.96	\$124,175.26	\$127,790.22		
Depreciation/SLARA Reserve	\$0.00	\$229,120.47	\$229,120.47		
SDC (formerly SIP)	\$0.00	\$695,580.81	\$695,580.81	\$1,278,478.50 SDC collections thru 7/31/2023	
Water Source Improvement Rsrv	\$0.00	\$254,045.48	\$254,045.48		
TOTALS	\$1,287,342.04	\$1,492,639.08	\$2,779,981.12		
General Fund Review	Current	FYTD	Budgeted Amount	Comments	
Revenue	\$250,900.45	250,900.45	\$3,205,120.00		
Expenses	\$247,513.50	247,513.50	\$3,205,120.00	Contingency \$100,000; Transfers \$416,320; Total expenses budgeted \$2,677,800.	
Net Gain or (Loss) from Operations	\$3,386.95	\$3,386.95			
Water Sales Revenue Comparison	Month	FYTD	Comments		
Water Sales Current Year	\$237,583.78	\$237,583.78	Leak Adjustments & Billings Adjustments (YTD = July - June)		
Actual+In Lieu of Water Sales Less H2O CR	\$242,583.78	\$242,583.78	Billing Adj FYTD \$0.00		
Water Sales Prior Year	\$193,361.09	\$193,361.09	Leak Adj/Write off FYTD \$0.00		
Actual+In Lieu of Water Sales Less H2O CR	\$198,362.18	\$198,362.18	TOTAL FYTD ADJUSTMENTS \$0.00		
Over or (Under)	\$44,222.69	\$44,222.69	Note: Rate increase effective 6/1/2023		
Gallage Comparison	Current	Prior Year	Cost Comparison	Current	Prior Year
Gallons Purchased/Intertie/WTP Treated	11,685,000	8,114,158	Toledo Charges	\$0.00	\$19,388.70
Gallons Sold (includes accountable loss & intertie)	9,499,512	8,954,560	SRWD Sales	\$237,583.78	\$193,361.09
Variance %	18.70%	-10.36%	Ratio: Sales/Cost	0.00	9.97
Gallons Produced/Treated at WTP	11,685,000		6/12/2023-7/11/2023		
Gallons from Toledo Master Meter	0		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	11,685,000				
City of Newport Intertie Usage (Sold)	0		Gallons sold to City of Newport for water used from the Newport Intertie		
Total Gallons Accounted	9,562,749		From flushing, leaks, CL2 Analyzer, & fire hydrant use		
Total Gallons Unaccounted	2,122,251				
Water Loss Percentage	18.16%				
Approval To Pay Bills	Payroll 7/14/2023 \$27,620.92		Payroll 7/28/2023 \$29,511.31		
Month of:	(after meeting)		August		
	GF A/P	\$13,944.89	GF A/P	\$38,802.79	up to 8/7/2023
	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	\$0.00	
	MP - Phase 4 (IFA)	\$0.00	MP - Phase 4 (IFA)	\$0.00	
	MP- Phase 4 (USDA)	\$0.00	MP- Phase 4 (USDA)	\$0.00	
	MCWPP	\$0.00	MCWPP	\$0.00	
	MCWCC	\$0.00	MCWCC	\$0.00	
Monthly Accrual Statistics	Beg. Balance	Accrued	Used/Paid	Balance	
	6/30/2023			7/31/2023	
Office Overtime Hours (2-01)	0.00	0.00	0.00	0.00	
Field Overtime Hours (2-02)	0.00	1.75	1.75	0.00	
PTO (3-01)	3118.21	122.48	100.00	3140.69	
Comp Time (9-01 / 9-02)	87.14	102.76	45.50	144.40	



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



Seal Rock Water District

General Manager's Report:
 Board Meeting August 10, 2023

This report is an executive summary provided with this Board agenda to Commissioners with recommended actions if any. Detailed information, staff reports, and supporting materials are provided within the full agenda packet.

PHASE-IV BEAVER CREEK SOURCE WATER PROJECT:

Jacobs engineers and district staff met with representatives for USDA-RD on August 7th to perform the 11-month warranty walkthrough. Operators pointed out several concerns the district has experienced during the past 11 months of operation to include: various pump failures including chemical feed pump failures. Automatic valves not functioning on command or sticking open/shut. Membrane filtration skids that have been difficult to clean, restricting production.

Jacobs Lead Membrane Engineer was on site in July to evaluate individual membrane modules to determine how to effectively clean the filtration units for best performance and to maintain the health of the membranes. While we wait for a comprehensive report, the engineers did make some recommendations for adjusting cleaning protocols, which have been beneficial in extending the length of time between cleanings.



Paul Muller, Jacobs Engineering prepping a membrane module for evaluation.

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Adam Denlinger, General Manager

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Due to raw water quality issues and an increase in organics, operators took steps to engage the State (DEQ) in an effort to have raw water on Beaver Creek tested for the presence of Hazardous Algae Bloom (HAB). Raw Water Analysis provided by DEQ includes testing for Cyanotoxins to include Cylindrospermopsin and Microcystins. The district provided two raw water samples which were both analyzed, and the results were negative, or non-detect (ND). Testing provided by DEQ is free of charge. However, if future testing includes a positive result the district would be subject to the states HAB's regulations. Results of testing are included in the board packet and will be provided in future CCR reporting.

Update on continued server failure at the WTP with notes between engineer and operators:

1. Thurs 8/3/2023 afternoon/evening working remotely: limited HMI, no historian:

- a. **SERVER1: Down.**
Larry texted me and indicated very slow HMI (Human Machine Interface) operation and workstation 2 kicked him out a couple of times. I remotely connected and discovered Server 1 was offline. I opened a ticket with Dell Technical support and collected event log data from SERVER1 to plan necessary repair steps. Dell requires the owner or owner rep to first take troubleshooting steps to determine what a field tech might need to do. Scheduled to work with Dell technical support on 8/4/2023 with me at the site.
- b. **SCADA UPS: Unknown issue.**
While talking with Larry on the phone I could hear a beeping sound which was the UPS alarm. It could not be silenced. It was online but had an unknown issue.
- c. **SERVER2: Online.**
No problems, Plant was still operational with Server 2 in operation albeit with a very slow HMI, no Historical data collection, and limited remote access.

2. Fri 8/4/2023 onsite 9 am-2:30 pm: limited HMI, no historian, UPS problem

- a. **SERVER1: Down.**
While onsite with Dell tech support on the phone I went through all the troubleshooting steps recommended by Dell and with their assistance determined a disk power supply issue. Dell will be onsite today to swap out a disk power supply board and all associated cables. They are also bringing a motherboard in the event that replacing the other items does not resolve.
- b. **SCADA UPS: Unknown issue**
Took pictures of UPS display, and reviewed manual. Determined that the UPS (Uninterruptible Power System) was operating in bypass mode (no battery backup but with passive line filtering). Called UPS tech support and waited for a reply. No response while onsite and left the site around 2:30 pm. Tech called, and we made contact around 3:30 pm. I sent photos of UPS displays. He confirmed it was operating in bypass mode but what was being shown on the display was irregular and that there was certainly an issue. He recommended turning UPS off, removing power, and bringing it back online to see if that would clear the problem.
- c. **SERVER2: Online**
Plant was still operational with Server 2 in operation albeit with a very slow HMI, no Historical data collection, and limited remote access.

3. Sat 8/5/2023 evening working remotely: Limited HMI, no historian, UPS problem

- a. **SERVER1: Down**
- b. **SERVER2: Online**
Received a call from Adam that they were no longer able to remote into the SCADA system. I was still able to remote in and access the HMI from the Engineering Workstation. Planned to talk with Larry Sunday morning to possibly get him remote access or to have him tell me what they would want to do operationally.
- c. **SCADA UPS: Unknown issue**

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4. **Sun 8/6/2023 morning working remotely: No HMI, no historian, UPS problem**
 - a. SERVER1: **Down**.
 - b. SERVER2: **Down**. Received a call from Adam around 7 AM. Contacted Adam a little after 8 AM. He returned to the plant, and we discovered SERVER2 was powered off. I had him try to power it on and it would not turn on.
 - c. SCADA UPS: **Unknown issue**.

5. **Sun 8/6/2023 afternoon working onsite: Limited HMI, no historian, UPS resolved**
 - a. SERVER1:**Down**.
 - b. Operations: I met Chris onsite at 1 PM. I was able to initiate the Lost Creek storage auto-fill sequence from the PLC program.
 - c. UPS: **Operating normally**.
With both servers down I took the opportunity to attempt the UPS reset as described above (cycling power). This reset the UPS and the alarm was cleared. UPS displayed information normally. Took additional videos and photos for UPS tech support if needed. Will monitor the status of UPS going forward to see if problems return.
 - d. SERVER2: **Online**.
Called Dell tech support and opened a support ticket. With their assistance, we determined the server was powering on/off repeatedly every 40-150 seconds since late Saturday evening. I took troubleshooting steps at Dell tech direction to do a cold power reset. This resolved the issue. We reviewed all event logs and no entries were pinpointing what caused the issue. Tech indicated a cold power reset resolves this type of problem about 10% of the time. Prior to restarting all of the software we ran diagnostic routines and rebooted the server 4 times to try and get the server in the same state. With it operating correctly we decided to run the software and monitor the operation. If no issues for the next week, Dell will close the ticket. If issues arise, I'll contact Dell.

6. **Mon 8/7/2023 morning working remotely: Limited HMI, no historian, UPS resolved**
 - a. SERVER1: **Down**. Dell is scheduled to be onsite between 4 PM and 5 PM to repair.
 - b. SERVER2: **Online**
Operational this morning with no issues overnight. Plant is still operational with Server 2 in operation albeit with a very slow HMI, no Historical data collection, and limited remote access.
 - c. UPS: Have not had a chance to check functional status yet.

Other notable activities for the month include:

- Attended meetings with engineers to discuss membrane module onsite testing.
- Met with representatives from USDA-RD and Engineers to perform the 11-month warranty walkthrough.
- Participated in interview panel for the City of Newport's Public Works Directors Position.
- Met with representatives from USDA-RD to provide project status reports.
- Attended Mid Coast Water Conservation Consortium Meeting.
- Met with property owners in the district to discuss water quality issues.
- Attended OWRD Place-Based Planning Meetings.
- Met with GSI Water Solutions to review progress on MC-WPP, and the Water Management and Conservation Plan, and Beaver Creek streamflow and temperature monitoring.
- Attended SDAO Legislative Water Committee meetings.
- Attended the Monthly Oregon Water Utility Commission (OWUC) meeting.
- Attended the Lincoln County Drought Committee meeting.

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1 **BEFORE THE BOARD OF COMMISSIONERS**

2 **FOR LINCOLN COUNTY, OREGON**

3
4 In the Matter of:) **ORDER NO. _____**
5 *Declaration of Local Disaster and Request*)
6 *To Declare a State Drought Emergency*)
7 *For Lincoln County, Oregon*)
8
9

10 WHEREAS on this 2nd day of August, 2023, the Lincoln County Board of Commissioners finds
11 that the Lincoln County resource based (including but not limited to, forestry, agricultural,
12 fisheries, industries, and tourism) and related economy are suffering widespread and severe
13 economic damage, potential injuries and loss of property resulting from extreme weather
14 conditions within the County; and
15

16 WHEREAS annual water supplies available for farm, forest, recreation and natural uses as well as
17 municipal water supplies within Lincoln County are a function of available water in the County
18 watersheds and in various tributaries. Water supplies are in serious jeopardy this year; and
19

20 WHEREAS the Seasonal Climate Forecast for August through October 2023 was issued on July
21 20, 2023 (attached as Exhibit A and incorporated herein by reference) and predicts below
22 average precipitation for the Oregon Coast and above average temperatures for August 2023
23 (page 13 of Exhibit A); and below average precipitation for September 2023 (page 14 of Exhibit
24 A); and while there is less forecast confidence based on the wide variety of weather conditions
25 during the analog years compared for the forecasts, the precipitation data from June 2023 for
26 Lincoln County is "abnormally dry" and "moderate drought" through July 13, 2023 (page 21 of
27 Exhibit A); and
28

29 WHEREAS the Siletz River as of July 23, 2023, is flowing at 83 cubic feet per second (CFS) at
30 the USGS gaging station upstream of Siletz which is 46% of average for this date. (Current
31 Local Drought Impacts and Forecast, Gibson Family Farms letter dated July 23, 2023
32 attached as Exhibit B and incorporated herein by reference). The Siletz River flows have
33 regularly established historical daily minimums this summer based on records from the years
34 spanning 1906-2022. (Exhibit B citing <https://www.nwrfc.noaa.gov/rfc/>). The Alsea River is
discharging 113 CFS, which is 70% of average for this date and the Yachats River is flowing at
17.3 CFS on July 22, which is 66.2% of average for July. (Exhibit B citing <https://www.nwrfc.noaa.gov/rfc/>); and

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WHEREAS historically the next two months are usually the driest time period for our region with significant rainfall not occurring until late September or early October; and

WHEREAS in September of 2020 Lincoln County and the State of Oregon experienced one of the most severe wildfire seasons in the County’s history. The Echo Mountain Complex Wildfire ravaged a large area of north Lincoln County, destroying or damaging over 300 residences and structures, and requiring the evacuations of thousands of persons. Survivors are still engaged in recovery and rebuilding as another fire season is imminent; and

WHEREAS the Oregon Department of Forestry (ODF) is maintaining Industrial Fire Precaution Level (IFPL) 1 (Fire Season) or IFPL 2 (Limited Shutdown) for areas of Lincoln County. (Exhibit B). Public fire danger in the Western Oregon District is "Moderate." (Exhibit B citing <https://www.oregon.gov/odf/fire/Pages/restrictions.aspx>); and

WHEREAS multiple priority instream water rights on the Siletz River have already been invoked to protect the aquatic life, recreation and fish and wildlife flows protected by those priority rights. Junior rights holders have been regulated off use of their water rights and will not be able to draw water in those circumstances. This will result in a loss of economic stability, lost growing season, and decreased water supplies for Lincoln County agricultural producers and municipal water suppliers. In addition, river water temperatures are already at unseasonable highs and restricted fishing access will likely be put in place very soon to protect fish stocks; and

WHEREAS the Lincoln County Board of Commissioners determines that extraordinary measures must be taken to alleviate suffering of people, natural resources and to protect or mitigate economic loss, begin water conservation and curtailment plans and actions, and to be responsive to the threat of wildfires.

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NOW, THEREFORE, BE IT ORDERED by the Lincoln County Board of Commissioners that:

1. A local disaster is declared within Lincoln County.
2. Pursuant to ORS 401.032(2), we find that appropriate response is beyond the capability of Lincoln County. We are declaring a state of emergency for the purpose of assessment, evaluation and acquiring the ability to provide appropriate available resources.
3. Request: The Honorable Tina Kotek, Governor of Oregon, declare a Drought Emergency for all of Lincoln County under the provisions of ORS 401.165 due to severe and continuing drought conditions beginning at this time and continuing for an unknown period of time; and direct the Oregon Department of Water Resources to make available in Lincoln County appropriate and available tools and resources to alleviate drought conditions and impacts and to provide other federal and state drought assistance and programs as needed.
4. In addition, we call on the Mid-Coast Conservation Consortium and other public and private water purveyors to begin water conservation education and specific curtailment activities as appropriate to address the current drought conditions and the continued drought emergencies that are expected this summer and fall.
5. This Order shall take effect immediately.

Dated this 2nd day of August, 2023

LINCOLN COUNTY BOARD OF COMMISSIONERS

EXHIBIT A



Seasonal Climate Forecast August – October 2023

Issued: July 20, 2023

Contact: ODF Lead Meteorologist Pete Parsons
503-945-7448 or peter.gj.parsons@odf.oregon.gov

ODA production support: Diana Walker; Andy Zimmerman; Jenn Ambrose
ODF production support: Julie Vondráček; Kristin Cody

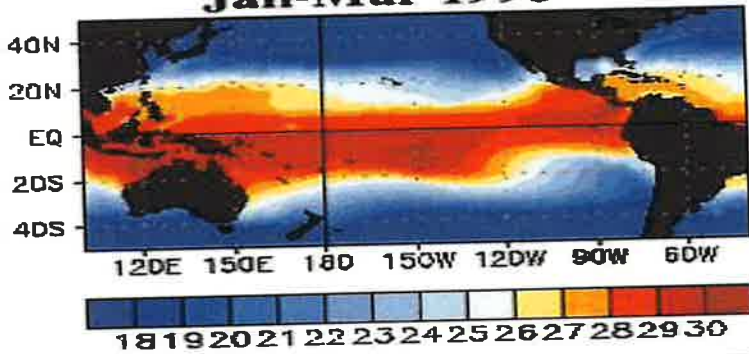
Photo: Pete Parsons

El Niño vs La Niña

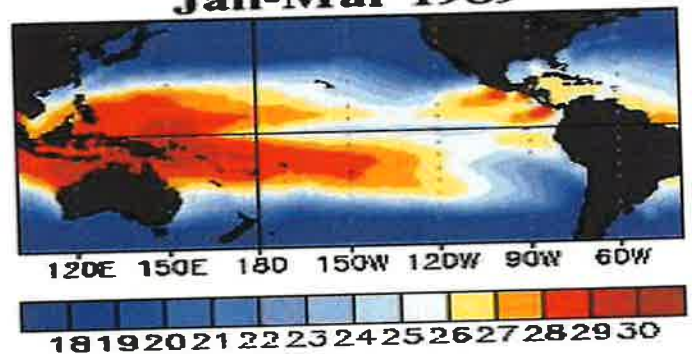
(SST Patterns in the Tropical Pacific Ocean)

OCEAN TEMPERATURES (°C)

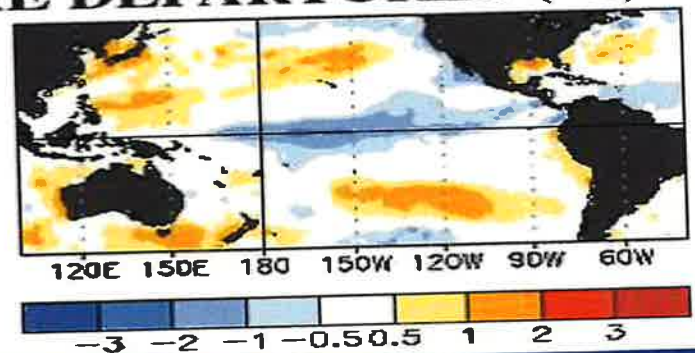
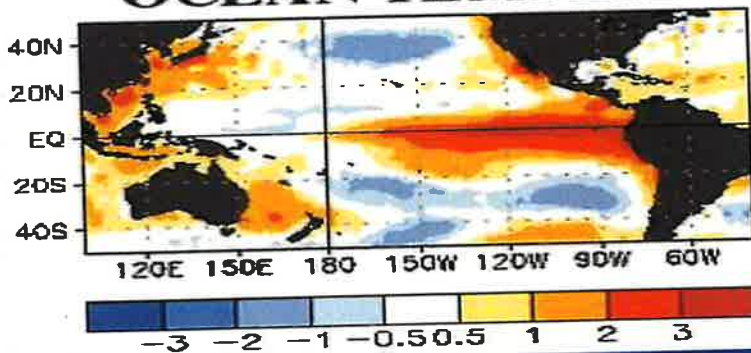
EL NIÑO
Jan-Mar 1998



LA NIÑA
Jan-Mar 1989



OCEAN TEMPERATURE DEPARTURES (°C)

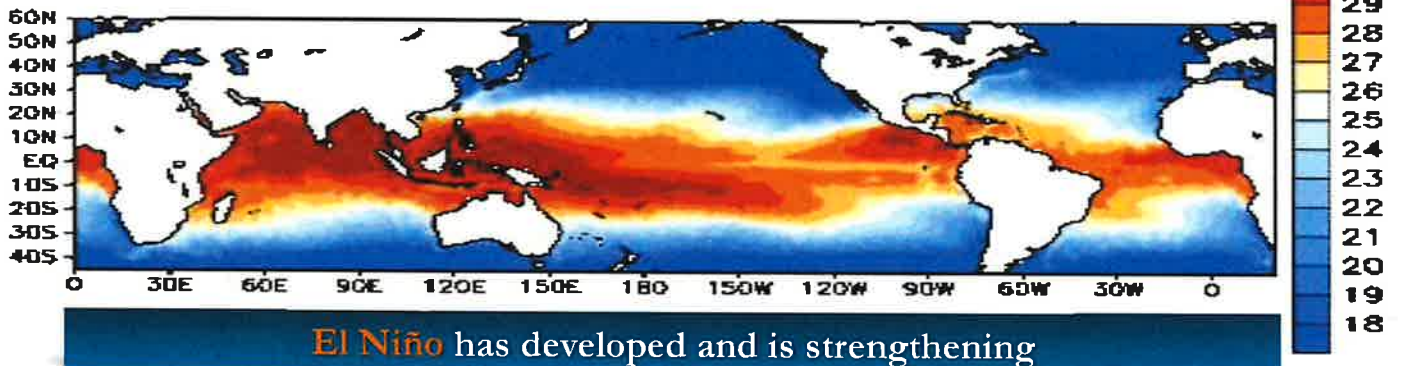


Courtesy: https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/ensocycle/ensocycle.shtml

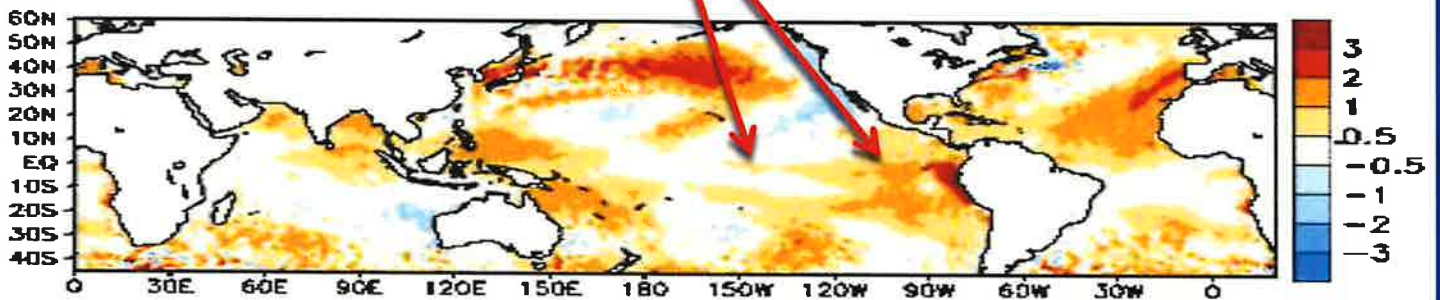
Sea Surface Temperatures (SSTs)

Animated (PowerPoint only) SSTs (top) / Anomalies (bottom)

Week centered on 26 APR 2023
SST (°C)



Anomalies (°C)



Courtesy: https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_update/gsstanim.shtml

El Niño Southern Oscillation (ENSO)

Current Status and Forecast

- The Southern Oscillation Index (SOI) rose from **-1.0**, in May, to **+0.3** in June, reflecting a slight increase in the easterly trade winds across the tropical Pacific Ocean. That should reverse, as **El Niño** strengthens...
- The Apr. – Jun. 2023 Oceanic Niño Index (ONI **+0.5°C**) has warmed into **weak El Niño** range. This index lags the real-time sea surface temperatures (SSTs), which show additional warming...
- NOAA’s Climate Prediction Center (CPC) has issued an **El Niño Advisory**. Their modeling predicts additional warming of tropical Pacific SSTs with **moderate-to-strong El Niño** conditions by this winter.

Important Note: This “Seasonal Climate Forecast” does not consider NOAA’s ENSO forecast. It uses only historical and current ENSO conditions to find “analog years” that most-closely match the evolution of the current ENSO state.

https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/lanina/enso_evolution-status-fcsts-web.pdf

Southern Oscillation Index (SOI)

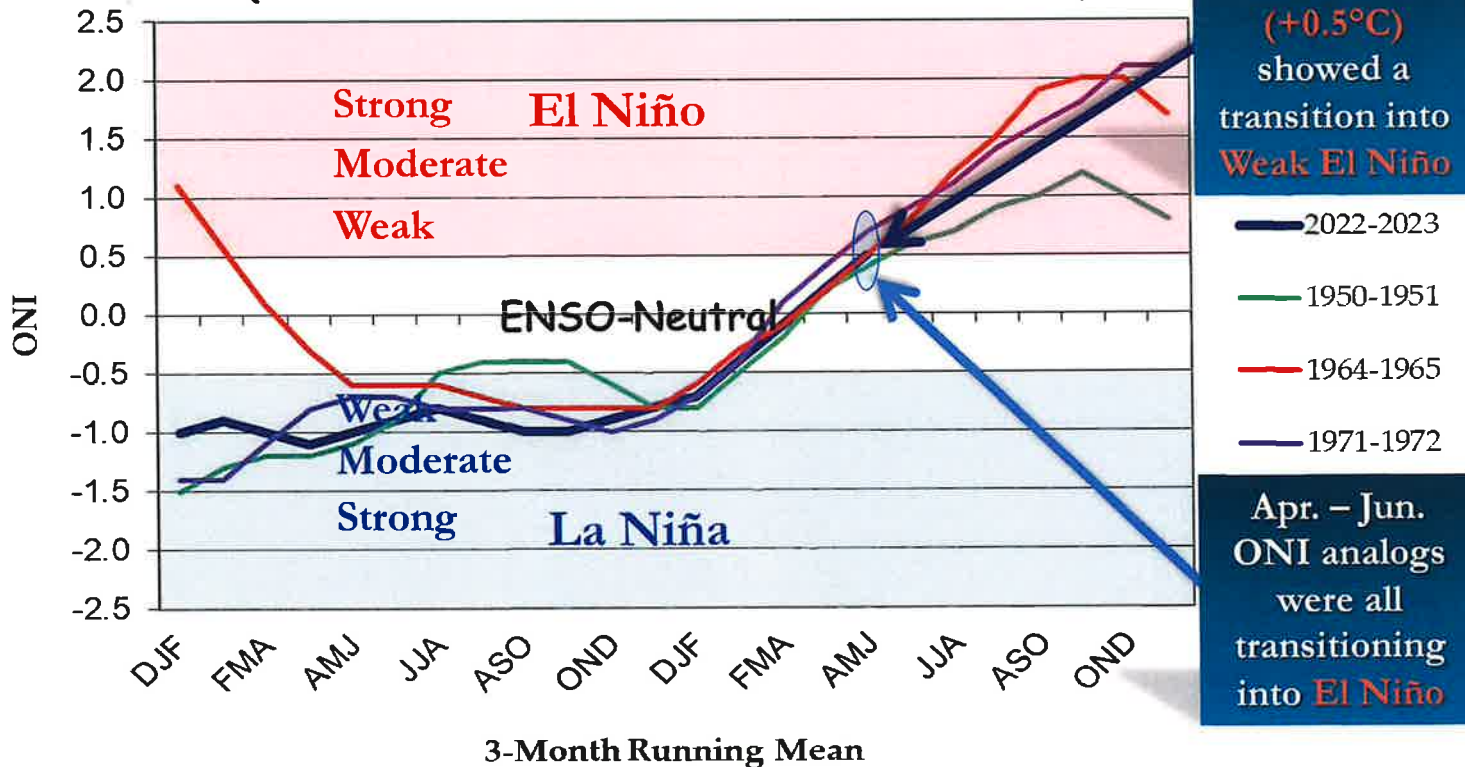
SOI values from the top "analog years" compared with the current period (2022-2023)
(1950-1951; 1964-1965; 1971-1972)



SOI data courtesy <https://www.cpc.ncep.noaa.gov/data/indices/soi>

Oceanic Niño Index (ONI)

ONI values from the top "analog years"
compared with the current period (2022-2023)
(1950-1951; 1964-1965; 1971-1972)

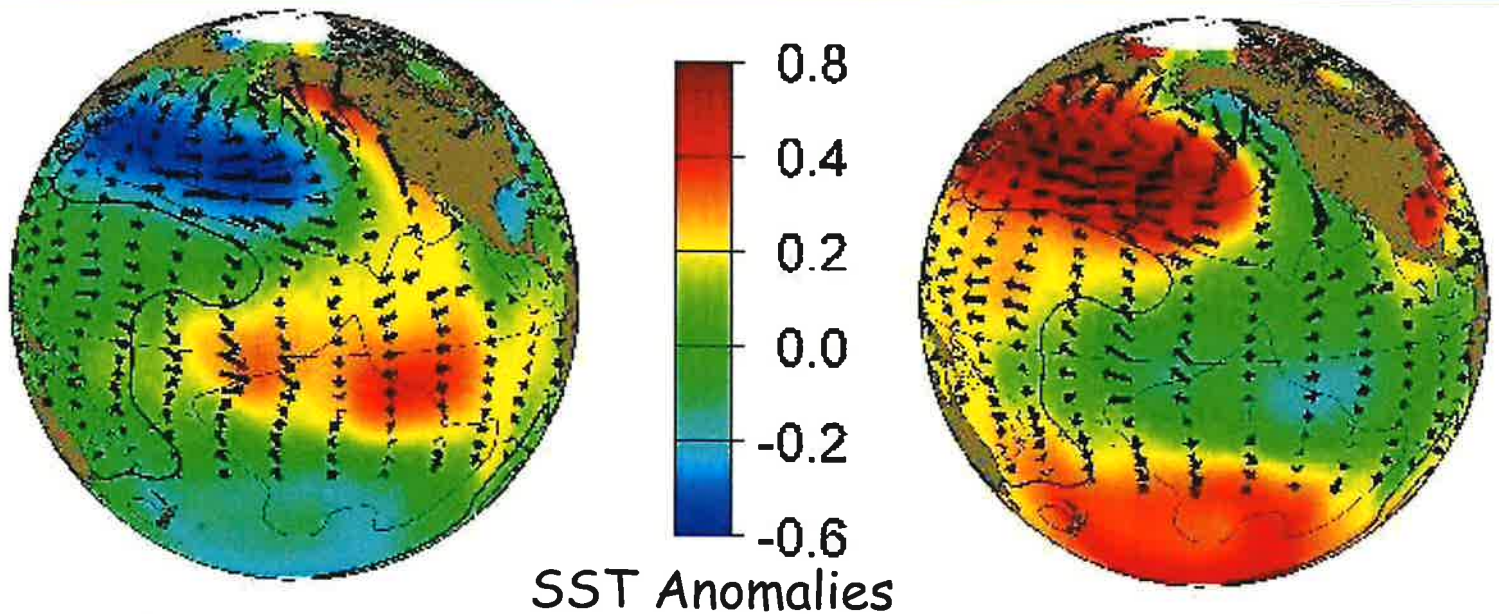


ONI data courtesy https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php

The Pacific Decadal Oscillation (PDO) (Reflects SST "Phase" in the North Pacific Ocean)

Positive (Warm)
"Phase"

Negative (Cool)
"Phase"

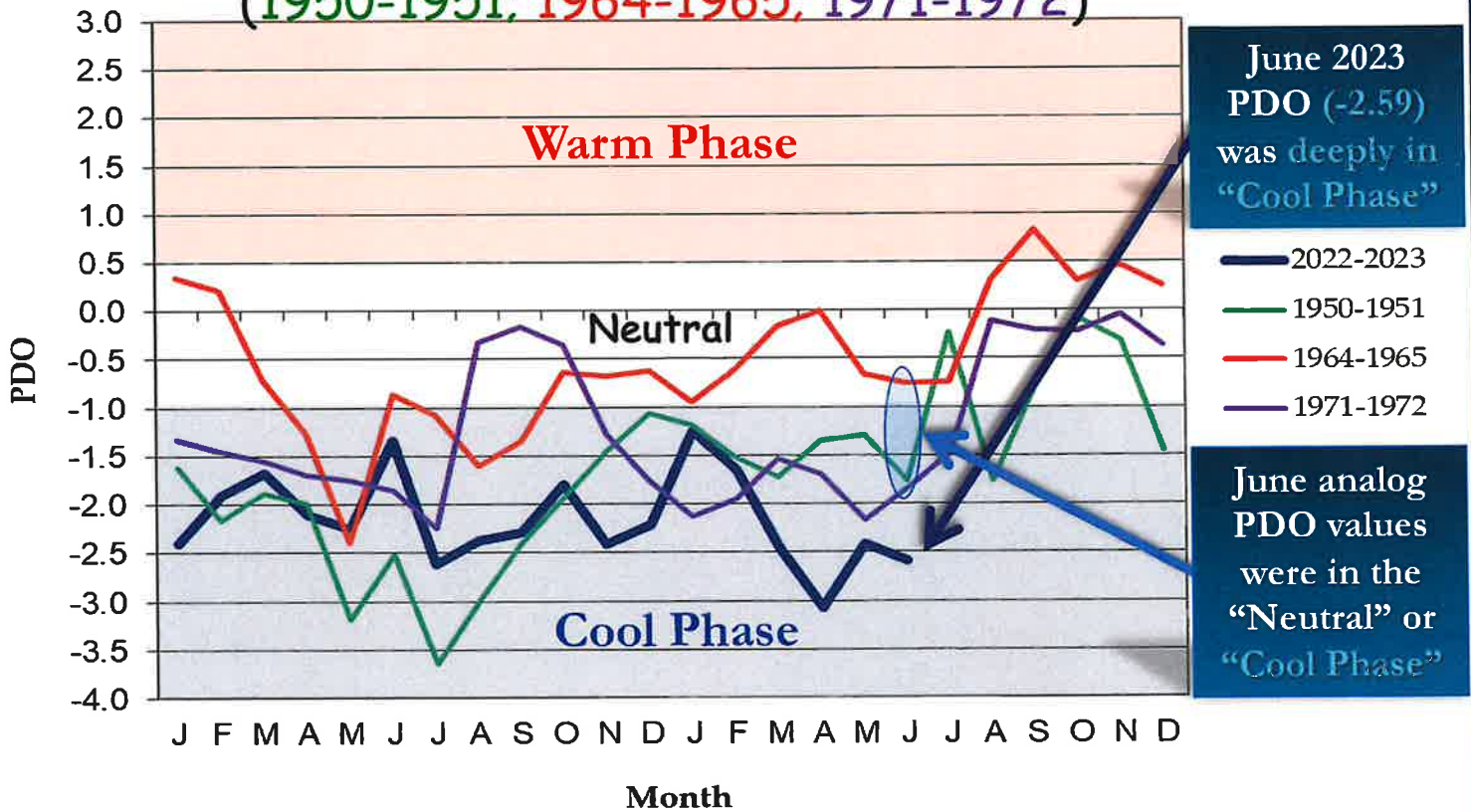


Courtesy: http://research.jisao.washington.edu/pdo/img/pdo_warm_cool.jpg

North Pacific Ocean

(Poleward of 20°N Latitude)

PDO values from the top "analog years" compared with the current period (2022-2023)
(1950-1951; 1964-1965; 1971-1972)

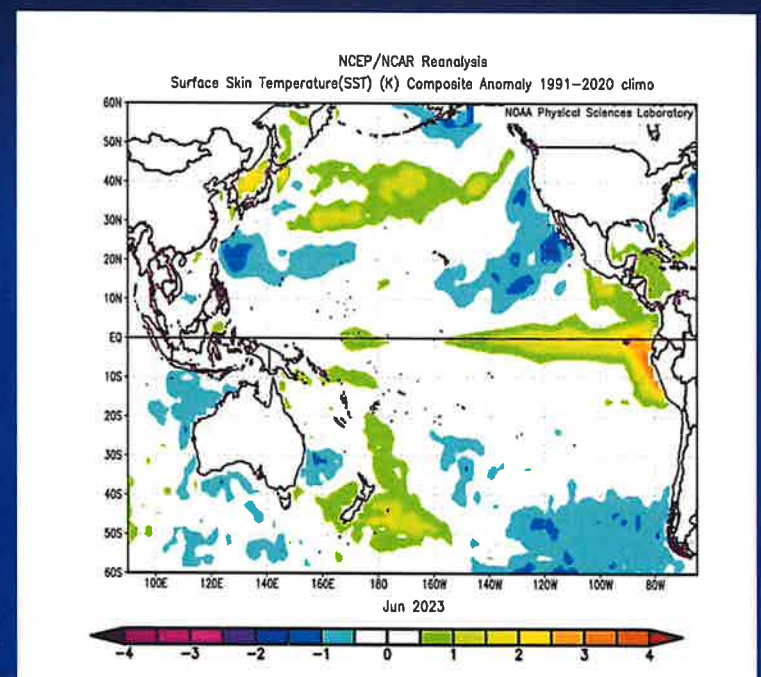
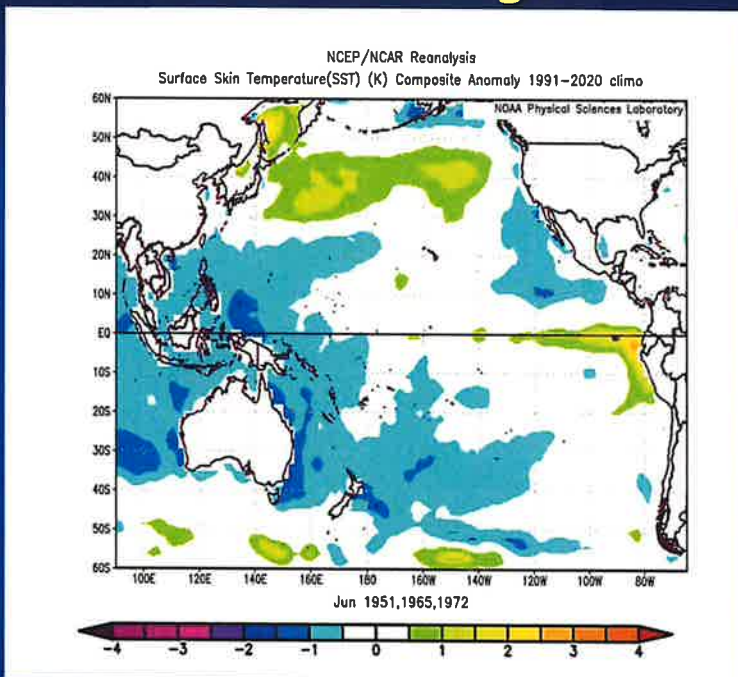


PDO data courtesy <https://www.ncei.noaa.gov/pub/data/cmb/ersst/v5/index/ersst.v5.pdo.dat>

SST Anomalies Comparison

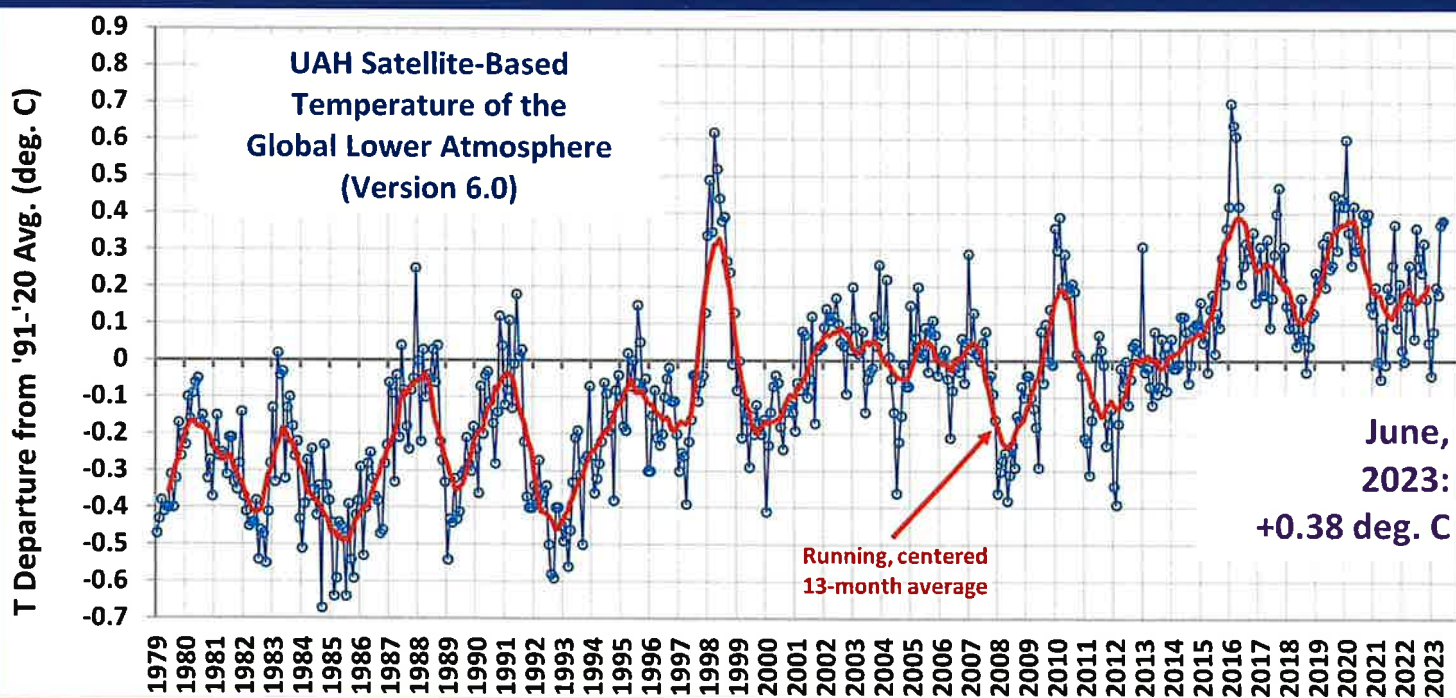
June Analogs

June 2023



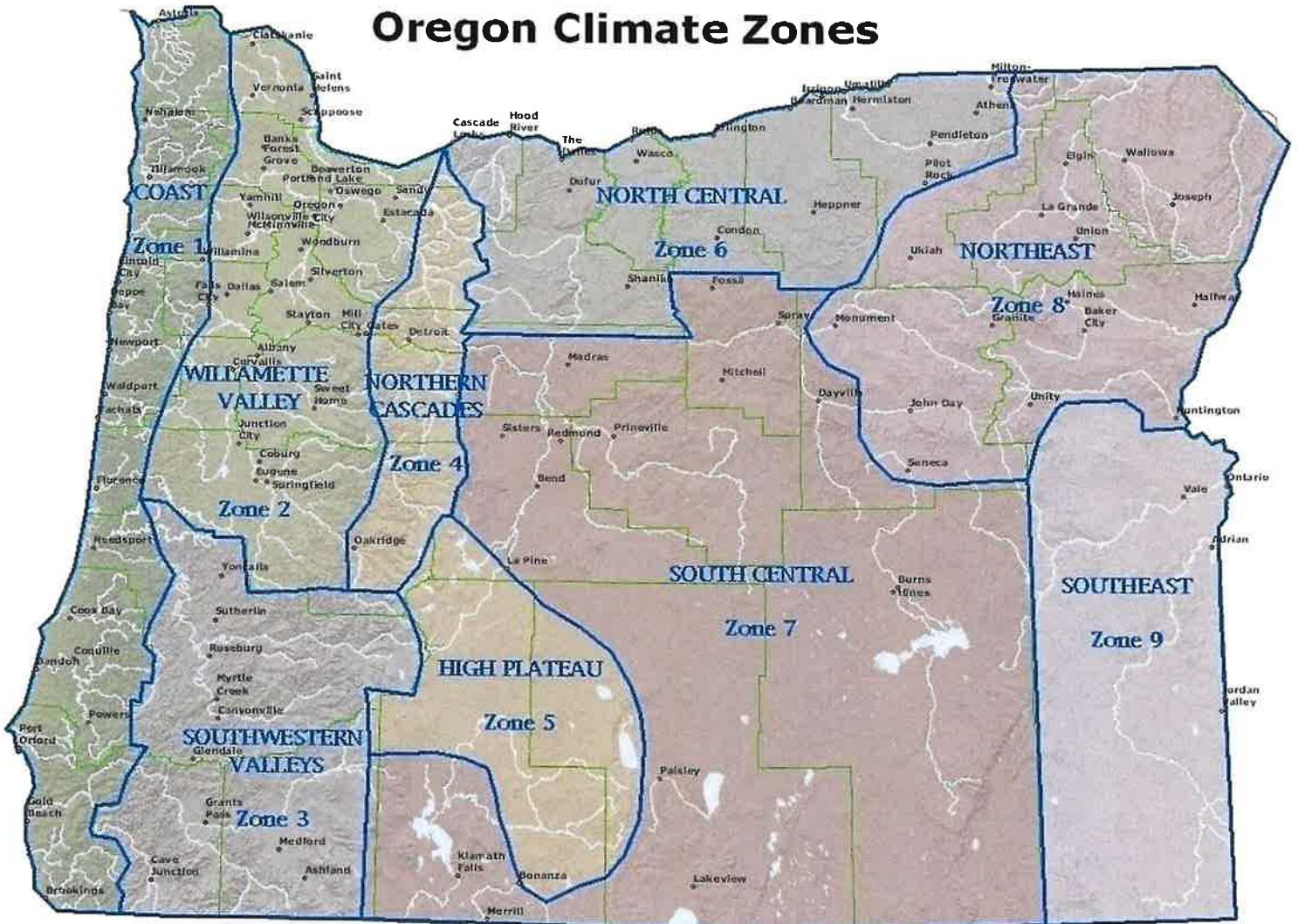
- The June analog composite (left) has a similar SST anomaly pattern (“good match”), compared to that of June 2023 (right).
- Both charts show developing **El Niño (warming)** conditions, in the tropical Pacific, and “cool phase” **PDO** conditions in the north Pacific.

Global Temperature Changes Increase Error in Analog Forecasts!



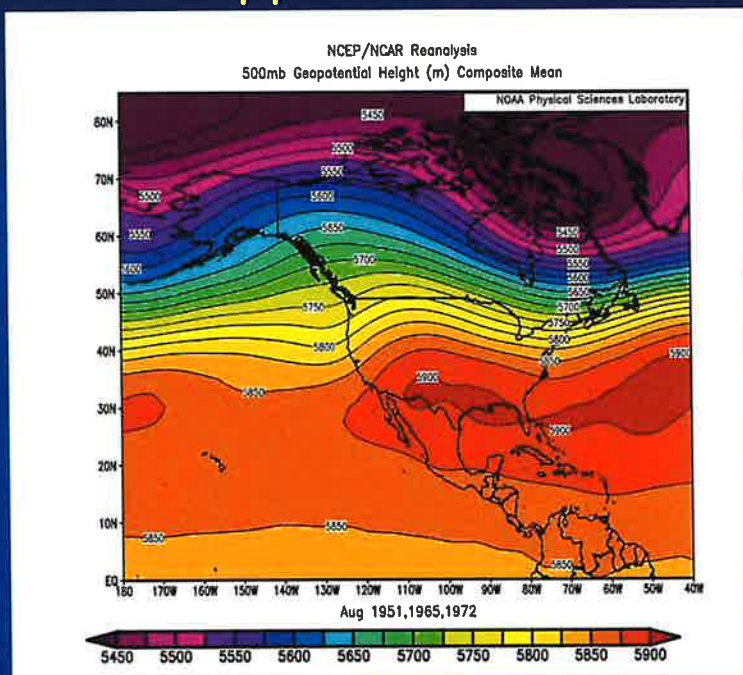
Courtesy: <http://www.drroyspencer.com/latest-global-temperatures/>

Oregon Climate Zones

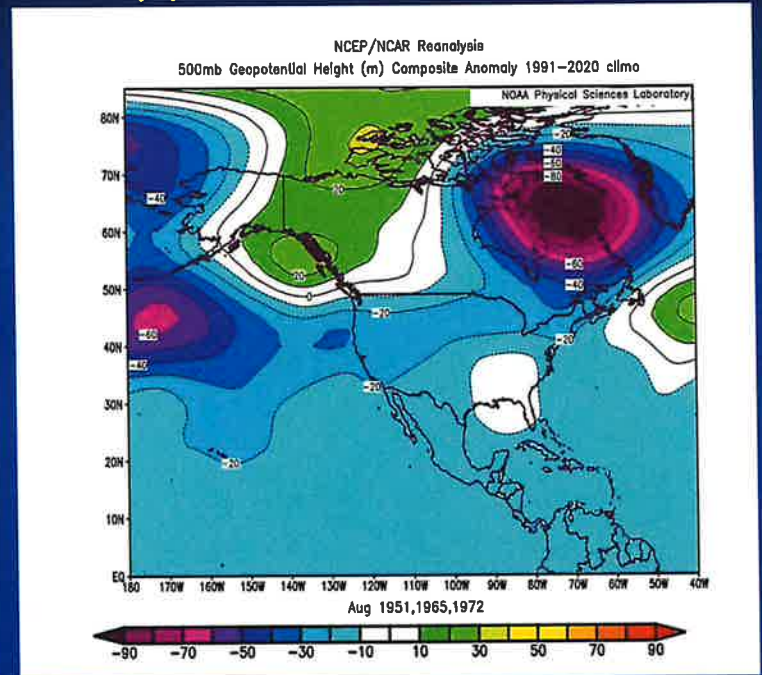


August 2023 Forecast

Mean Upper-Air Pattern



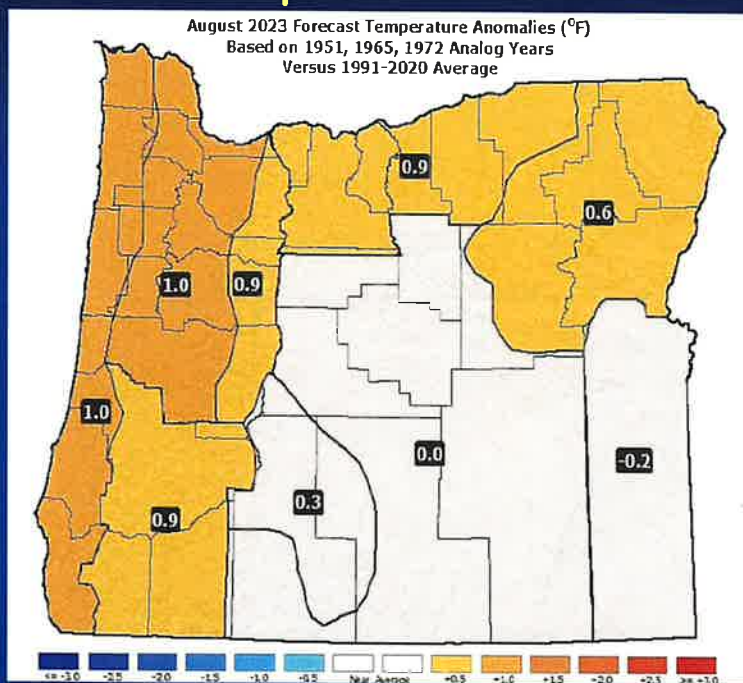
Upper-Air Anomalies



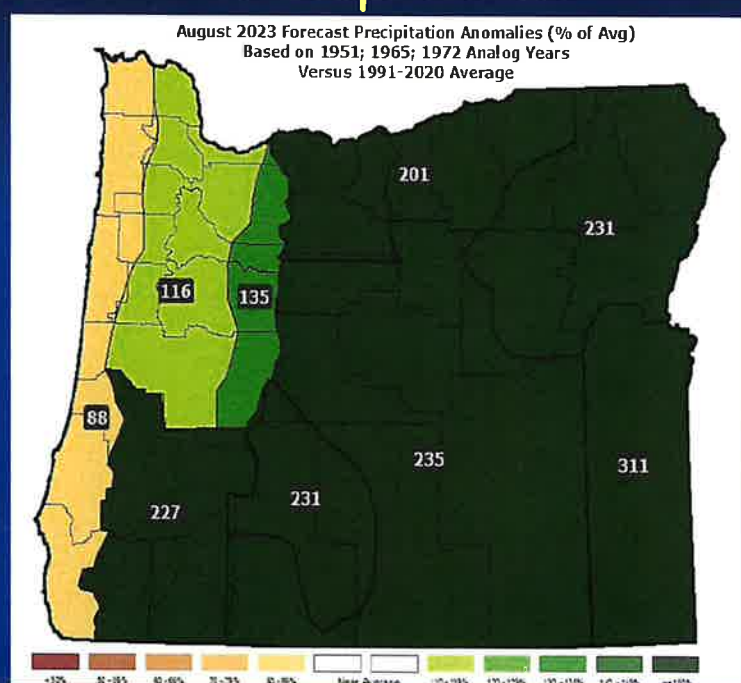
- Analogs all had prevailing SW flow aloft over Oregon.
- Slight differences in the upper-air flow led to varying degrees of thunderstorm development, mainly east of the Cascades.

August 2023 Forecast

Temperatures



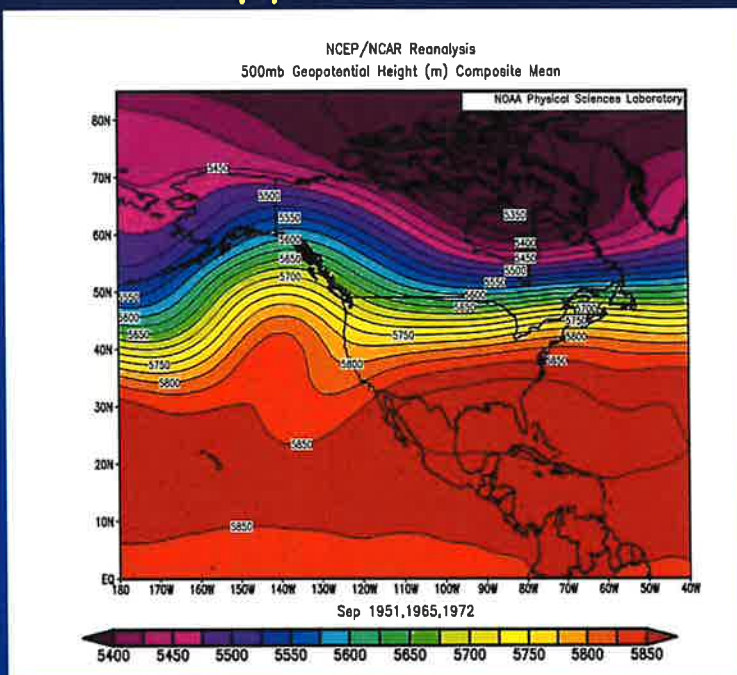
Precipitation



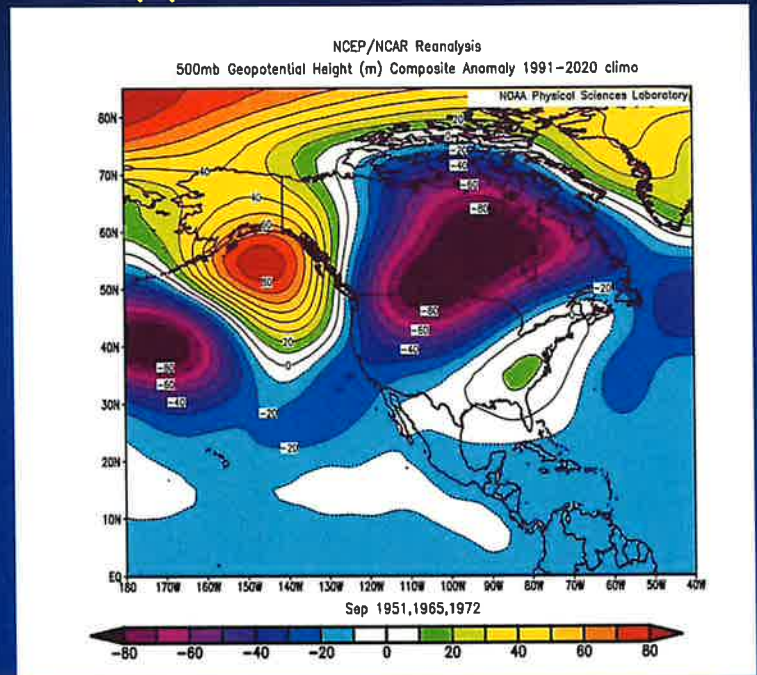
- Above-average temperatures likely west and NE. At least one hot spell with valley temperatures near over above 100°F is likely.
- Below-average precipitation for the coast. Increased threat of above-average rainfall, due to thundershowers, mainly Cascades eastward.

September 2023 Forecast

Mean Upper-Air Pattern



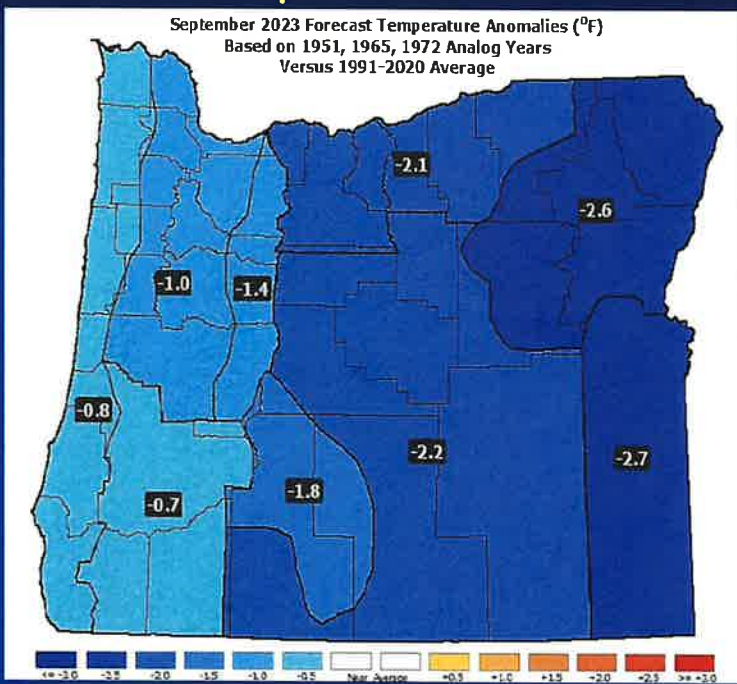
Upper-Air Anomalies



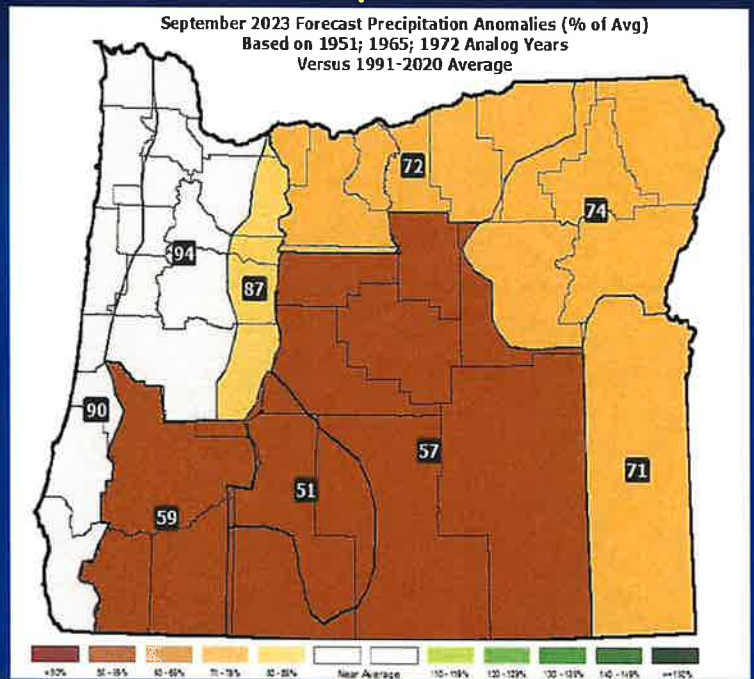
- Analogs all had anomalous ridging in the eastern Gulf of Alaska but not in the same location...leading to the blended solution shown above.
- Forecast confidence is lowered, because a slight east-or-west shift to the above pattern/anomalies would bring significant weather changes.

September 2023 Forecast

Temperatures



Precipitation

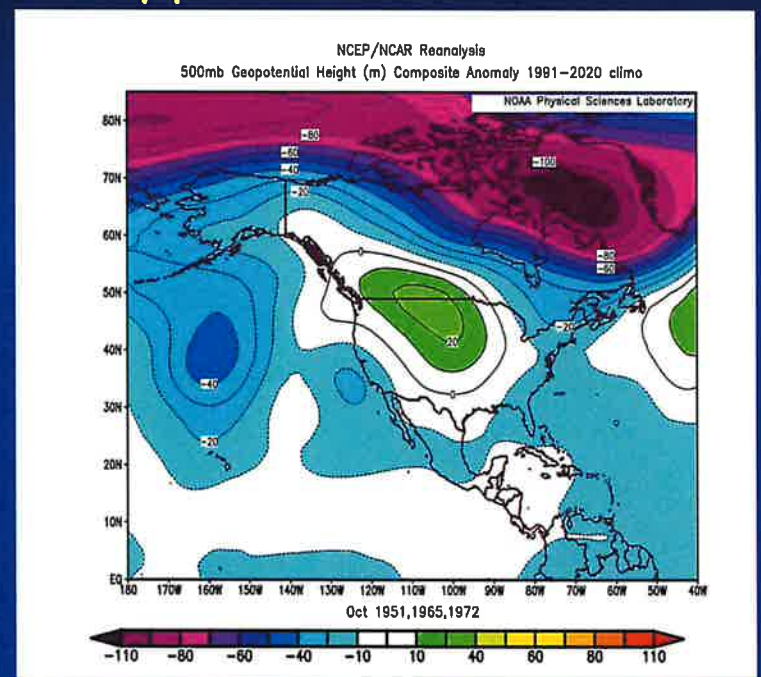
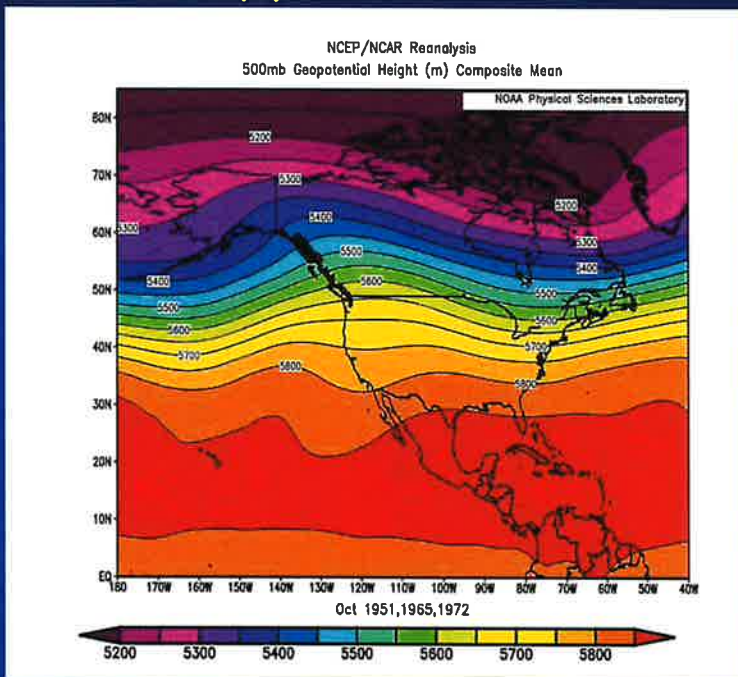


- Temperature forecast is skewed colder than normal by 1965 & 1972, but 1951 was warmer than normal (analogues lack consistency).
- Precipitation forecast shows drier than normal, but 1972 was wetter than average. Lack of analog consistency lowers forecast confidence.

October 2023 Forecast

Mean Upper-Air Pattern

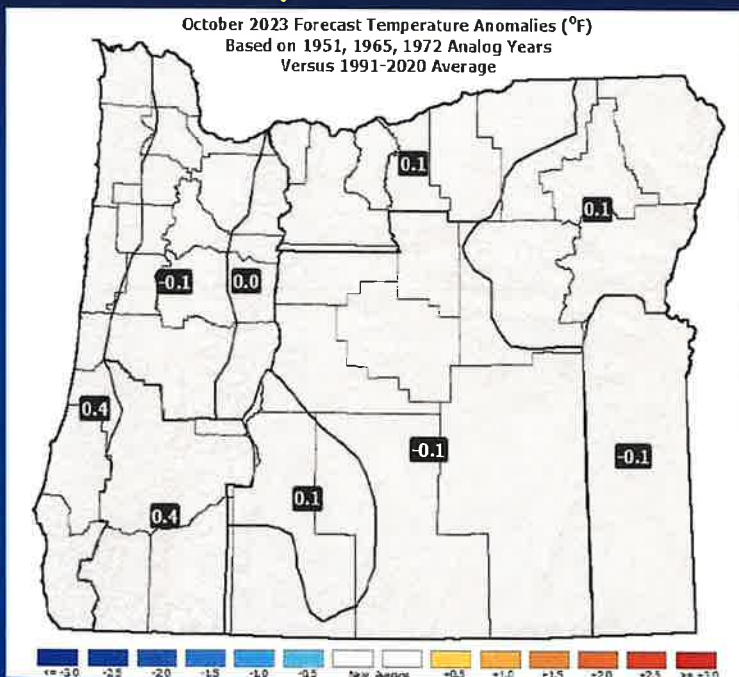
Upper-Air Anomalies



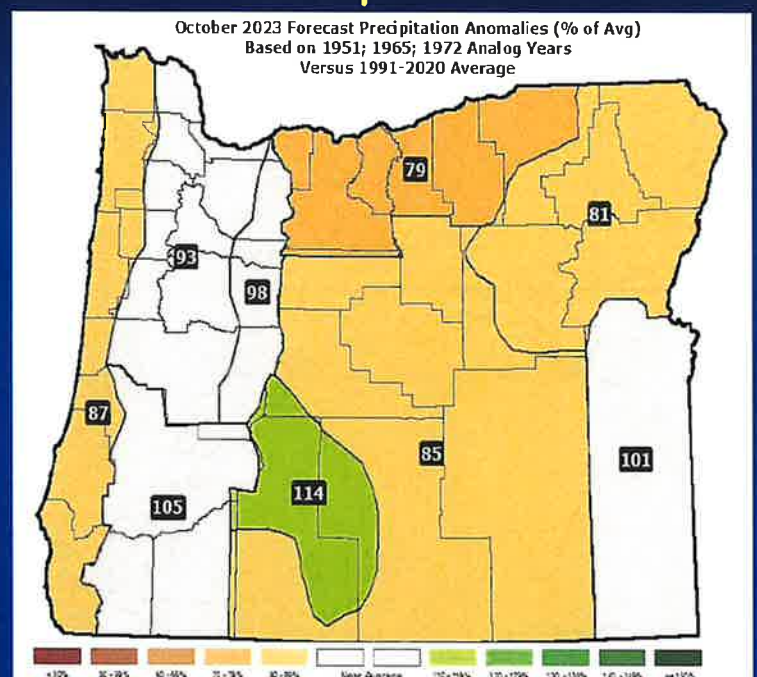
- Upper-air patterns range from anomalous troughing over Oregon (1951) to ridging (1965). 1972 puts more ridging offshore.
- Forecast confidence is lowered by huge differences in analog solutions. Their blend (“near-average” pattern shown above) could be misleading.

October 2023 Forecast

Temperatures



Precipitation

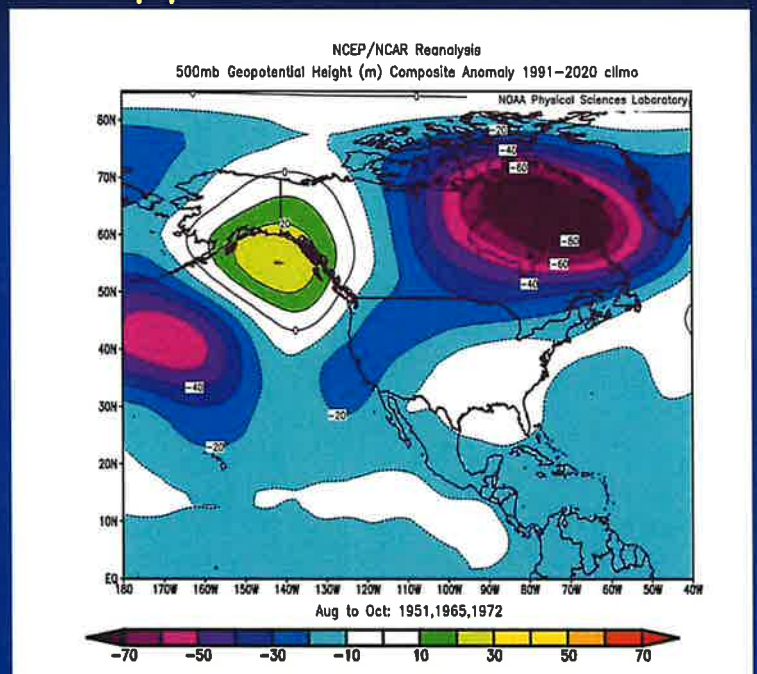
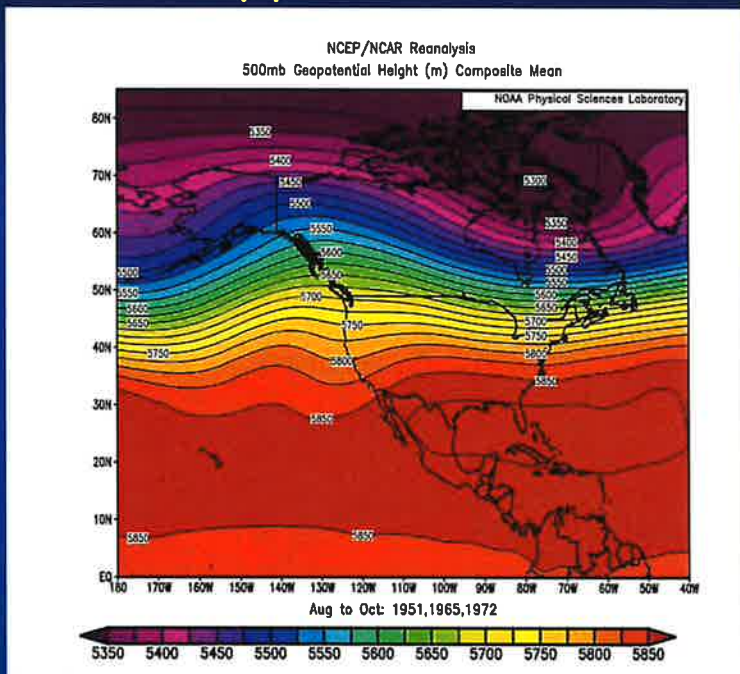


- The analog years have widely varying temperature departures. Their blend (above) yields near-average temperatures, but don't be misled...
- Precipitation graphic shows near or slightly below average rainfall, but that is a balance between a very wet 1955 and dry years of 1965 & 1972.

August – October 2023 Forecast

Mean Upper-Air Pattern

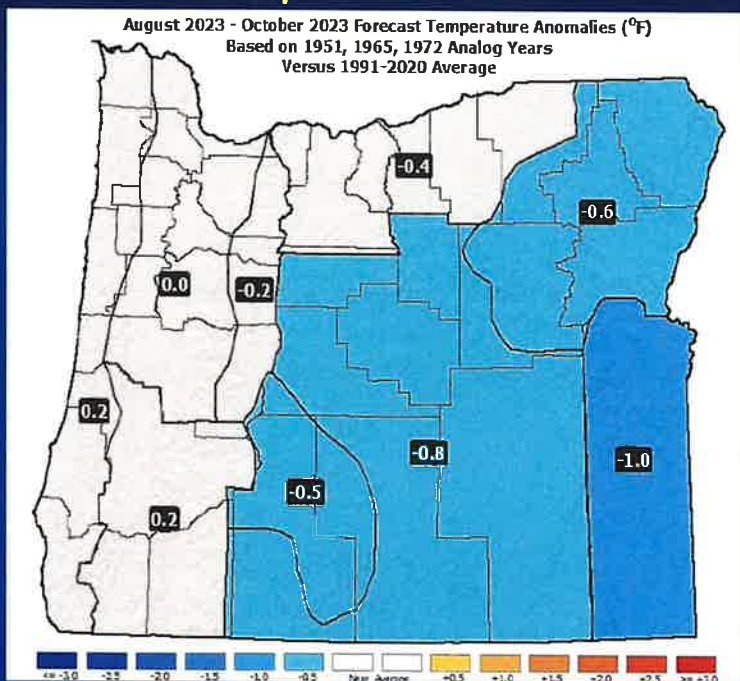
Upper-Air Anomalies



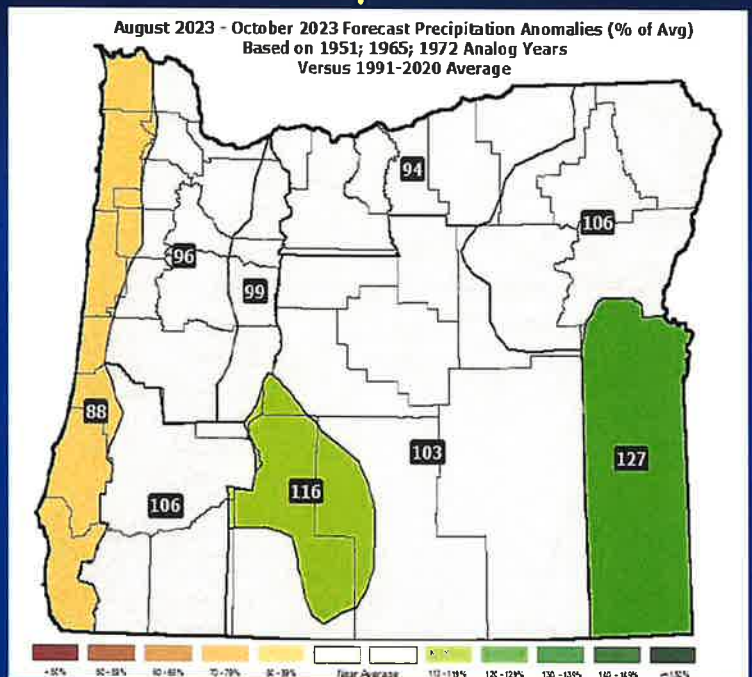
- Analogs are consistent in showing some degree of anomalous ridging in the northern Gulf of Alaska.
- The strength and position of a corresponding downstream trough over the Pacific NW varies considerably among the analog years.

August – October 2023 Forecast

Temperatures



Precipitation



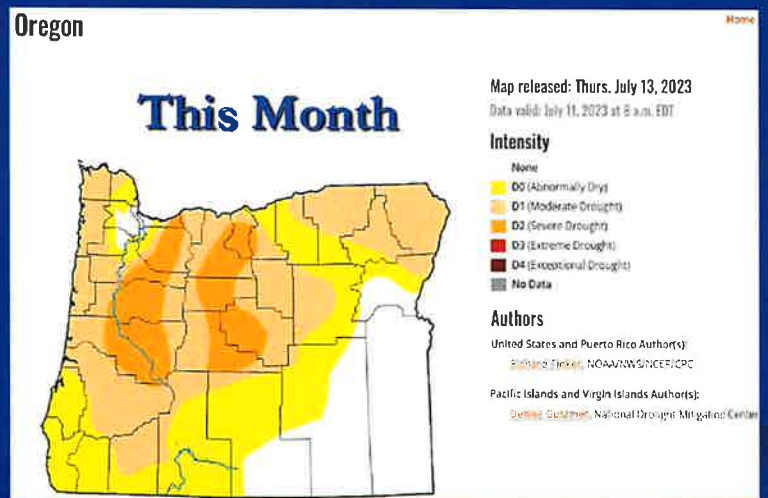
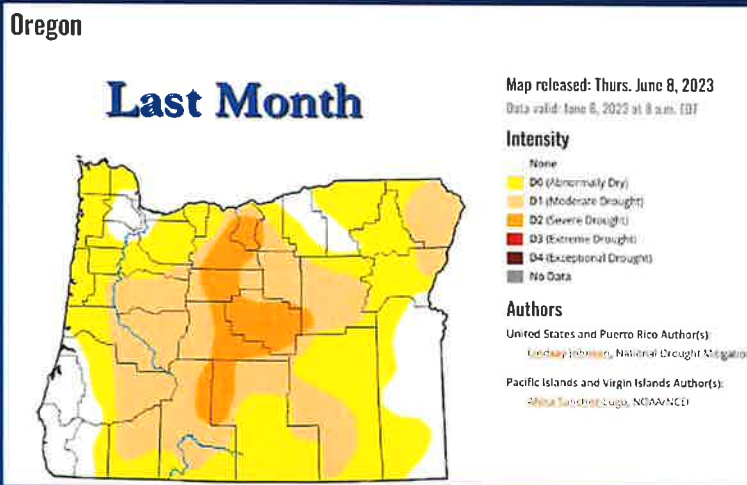
- Large overall departures from average conditions are not indicated by the mathematical blend of the top 3 analogs (shown above).
- However, analogs showed enough variation to dramatically lower forecast confidence, especially on a monthly basis.

Forecast Highlights

- Central and eastern tropical Pacific Ocean temperatures have recently warmed to **Weak El Niño** status. NOAA's CPC predicts the likelihood of **moderate-to-strong El Niño** conditions by this winter...
- Of the analog years used to create this forecast (1951; 1965; 1972), only 1972 remains unchanged from last month. All three years were transitioning in **El Niño** conditions.
- The analog years exhibited a wide variety of weather conditions during the 3-month period covered by this forecast, which dramatically lowers forecast confidence, especially on a monthly basis.
- However, each of the analog years tended to have their monthly differences “balance out” over their respective 3-month periods, so confidence in a “near-average” 3-month forecast is higher...

Disclaimer: This forecast is not associated with NOAA's CPC (see "Forecasting Methods..." at: <https://oda.direct/Weather>) nor the official CPC "Three-Month Outlooks," which are available here: https://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1

Most of Oregon Remains Abnormally Dry (Minor monthly changes in both directions)



Courtesy: National Drought Mitigation Center (NDMC)
<https://droughtmonitor.unl.edu/>

Forecast Resources

- ODA Seasonal Climate Forecast Home:

<https://www.oregon.gov/ODA/programs/NaturalResources/Pages/Weather.aspx>

- CPC Official US Three-Month Forecasts (Graphics):

https://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=01

- CPC US 30-Day & 90-Day Forecasts (Discussions):

https://www.cpc.ncep.noaa.gov/products/predictions/long_range/fxus07.html

- CPC Weekly & Monthly ENSO Discussions:

https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory

- Australian Government Climate Model Summary:

<http://www.bom.gov.au/climate/model-summary/#region=NINO34&tabs=Overview>

- Australian Government ENSO Wrap-Up:

<http://www.bom.gov.au/climate/enso>

- IRI ENSO Quick Look:

<https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/>

Water Supply / Fire-Potential Outlook

- CPC U.S. Seasonal Drought Outlook:

https://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.png

- NRCS Snow Water Equivalent Oregon Map:

https://www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/or_swepctnormal_update.pdf

- NRCS/USDA Snow Water Equivalent Products:

<https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/snowpack/>

- NDMC U.S. Drought Monitor:

<https://droughtmonitor.unl.edu/>

- NIDIS North American Drought Portal:

<https://www.drought.gov/nadm/content/percent-average-precipitation>

- WRCC WestWideDroughtTracker:

<https://www.wrcc.dri.edu/wwdt/>

- NWCC Northwest Interagency Coordination Center (video)

<https://gacc.nifc.gov/nwcc/predict/outlook.aspx>



Updated Monthly

Your Feedback is Welcome!

Sign-up for Email Notification of Updates at:
<https://oda.fyi/SubscribeSCF>

Contact: Pete Parsons, ODF Lead Meteorologist
at 503-945-7448 or peter.gj.parsons@odf.oregon.gov

Photo: Pete Parsons

EXHIBIT B

Gibson Family Farms, Siletz

23 July 2023

Kaety Jacobson, Lincoln County Board of Commissioners
225 W. Olive St
Newport, OR 97365

RE: Current Local Drought Impacts & Forecast

Drought Contexts:

It's dry again in Lincoln County. After an abnormally wet and cool late winter and spring, an abrupt shift to unseasonably dry weather patterns has impacted the area to historical extremes.

Low stream flows starkly demonstrate a climatic and hydrogeologic characteristic of the Central Oregon Coast, in which Tye Formation sandstone geology and steep topography drain catchment basins relatively quickly. Low elevation precludes meaningful snowmelt contributions, even after a winter 2022-2023 that was notably snowy. Without current precipitation to recharge surface and subsurface waters, streamflows and soil moistures deplete quickly. Limited natural and built water storage infrastructure in these basins provides little buffer against prolonged dry weather impacts.

Drought can be generally defined and understood in different ways¹:

- **Meteorological Drought** – When dry weather patterns dominate an area.
- **Hydrological Drought** – When low water supply becomes evident in the water system.
- **Agricultural Drought** – When crops become affected by drought.
- **Ecological Drought** – When natural ecosystems are affected by drought.
- **Socioeconomic Drought** – When the supply and demand of various commodities is affected by drought.

The various types of drought can occur separately or concurrently.

Defining a “**Drought Emergency**” is even more subjective. Some authorities use quantitative methods to establish a threshold, often a percentage of average streamflow. Others cite a likelihood of “undue hardship for water users and uses.” In the past, Lincoln County has declared drought emergencies by citing:

“...that extraordinary measures must be taken to alleviate the suffering of people, natural

¹ National Oceanic and Atmospheric Administration (NOAA): National Drought Information System.
<https://www.drought.gov/what-is-drought/drought-basics>

resources and to protect or mitigate economic loss, begin water conservation curtailment plans and actions, and to be responsive to the threat of wildfires.”²

Further, that pursuant to ORS 401.032(2), “the appropriate response is beyond the capability of Lincoln County.”³

Administratively, a **State Drought Emergency Status** provides water managers additional temporary tools to address water shortages, prioritize existing water resources, and implement conservation measures. State agencies are instructed to provide allowable assistance to local governments and entities. A **Federal Drought Emergency**, declared by the Secretary of Agriculture, implements Federal disaster relief programs in a county, mostly available to agricultural producers.

Current Local Impacts & Forecasts:

- Prolonged dry weather has depleted shallow soil moisture. **Low agricultural soil moisture** in the root zone for timber, pastures, hay, and other growing crops is the limiting factor of local production. **Hay season** is well underway, with yields **~60% of average** and forage quality and nutrition well below average for the date. **Local hay supply is insufficient to meet local demand for the year.** Facing low feed supplies and quality, some graziers are choosing to either sell animals or import hay from other regions. Gibson Farms is selling cattle ahead of schedule and helping a neighbor do the same this week.
- ODF has established **Industrial Fire Precaution Level (IFPL) 1 (Fire Season)** or **IFPL 2 (Limited Shutdown)** for areas of Lincoln County. Public fire danger in the Western Oregon District is “Moderate.”⁴
- The **Siletz River** on Sunday is discharging 83 Cubic Feet per Second (CFS) at the USGS gaging station upstream of Siletz, **46% of average** for the date. Siletz flows have regularly established historical daily minimums this summer, based on records from 1906-2022. The record minimums being surpassed have often stood since either 2015 or 1934.⁵ Junior water rights for irrigation and other uses are expected to be regulated off this week. **Low flows are associated with high water temperatures and low dissolved oxygen, conditions potentially above the thermal maxima for some aquatic species.** The Siletz River provides wildlife habitat, but is also source water for several Lincoln County industries, municipalities, and water districts.
- Somewhat better, the **Alsea River** is discharging **113 CFS, 70% of average** for the date.⁶

² Lincoln County. “Declaration of Local Disaster and Request to Declare a State Drought Emergency for Lincoln County Oregon, Order No. 6-21-204.” 28 June, 2021.

³ Ibid.

⁴ <https://www.oregon.gov/odf/fire/Pages/restrictions.aspx>

⁵ <https://www.nwrfc.noaa.gov/rfc/>

⁶ Ibid.

- The **Yachats River** was flowing at **17.3 CFS** on Saturday, 66.2% of average for July.⁷ Water managers at the City of Yachats are considering conservation curtailments.⁸
- The 7-day forecast predicts warm, dry weather for the area.⁹
- Pacific sea surface temperatures are currently in the warm (**Weak El Niño**) category. ODA/ODF forecasters expect temps to continue warming to ENSO-Moderate to Strong El Niño conditions through the summer and fall. For the period August – October, they anticipate **below-average rainfall and near-average temperatures for our coastal region**¹⁰ The next 60 days are usually our region’s driest, with significant fall rains not expected until late September.
- Local residents in the Siletz Valley are reporting unseasonably low levels in shallow wells and springboxes used for domestic supply, market garden production, and livestock water. Levels in June and July are similar to those usually seen in September. One landowner recently reported well levels at 20% of normal for the date. Gibson Farms has removed grazing livestock from one 56-acre property due to an insufficient well. **Lack of water for livestock is jeopardizing efficient forage utilization and sound management of soil and water resources across these properties.**
- **Blueberry harvest at Gibson Farms is expected to begin August 4.** Based on streamflow data, **irrigation is expected to be suspended regulatorily on July 24th.** Without access to irrigation, and without significant precipitation in the forecast, impacts to fruit size, quality, and harvestability are expected within 7-10 days. Impacts on plant survival are expected in 18-21 days. Gibson Farms voluntarily suspended irrigation on pastures and hayfield properties this summer to reserve the maximum allocation eligible for emergency drought transfers to the blueberry field. Emergency soil moisture conservation measures, such as mowing and mulching the field floor, will begin this week.

Regional Contexts:

The **US Drought Monitor**, a weekly track of national drought conditions, classifies the entirety of Lincoln County in **D1, “Moderate Drought.”** D2 “Severe Drought” exists in areas of nearby Lane, Benton, Linn and Marion Counties.¹¹

USDA Secretarial Drought Disaster Designations, as of July 5, list primary drought disasters only in Eastern Oregon counties, with contiguous affected counties in nearby Lane, Linn, & Marion.¹² That area is expected to be expanded in August.

⁷ https://apps.wrd.state.or.us/apps/sw/hydro_near_real_time/display_hydro_graph.aspx?station_nbr=14306872

⁸ <https://yachatsnews.com/yachats-water-restrictions/>

⁹ <https://forecast.weather.gov/MapClick.php?lat=44.72180000000003&lon=-123.91802999999999>

¹⁰ <https://www.oregon.gov/ODA/programs/NaturalResources/Documents/Weather/dlongrange.pdf>

¹¹ <https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?OR>

¹² https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdfiles/Disaster-Assist/Secretarials/2023-Secretarial-Disasters/ALL_Drought_CY2023.pdf

State of Oregon **Governor's Drought Declarations** have been established as close as Jefferson and Deschutes Counties.¹³

Summary:

This summer demonstrates that drought can be very local in nature, with hydrologic conditions highly variable across Lincoln County and the State of Oregon. The suspension of pasture/hayfield irrigation, grazing and blueberry irrigation at Gibson Farms constitutes a family emergency. Some of these impacts can be mitigated through market solutions (selling cattle, burning time and diesel to mulch rows). Others can only be ameliorated through the resumption of timely natural precipitation or administrative Drought Emergency Tools available in the context of a Governor's Drought Emergency.

Whether the current and forecast conditions constitute a County Emergency is necessarily subjective. I am interested to know what drought impacts and considerations are affecting other natural resource industries, conservation interests, and water purveyors, to assemble a holistic perspective on our County's drought status. Given the County's proactive record of support for, and participation in, water resources planning, monitoring, and protection, as well as years of vigilance toward drought preparedness, I have no reservations about "leading" requests for a Governor's Drought Declaration in our part of Oregon. Furthermore, the lack of meaningful precipitation in the forecast, and the dry 3-month climate projection for Coastal Oregon, both suggest that drought conditions are going to get much worse before they get better. An early declaration and request for State assistance is unlikely to go unneeded by the end of summer.

Thank you for your consideration,

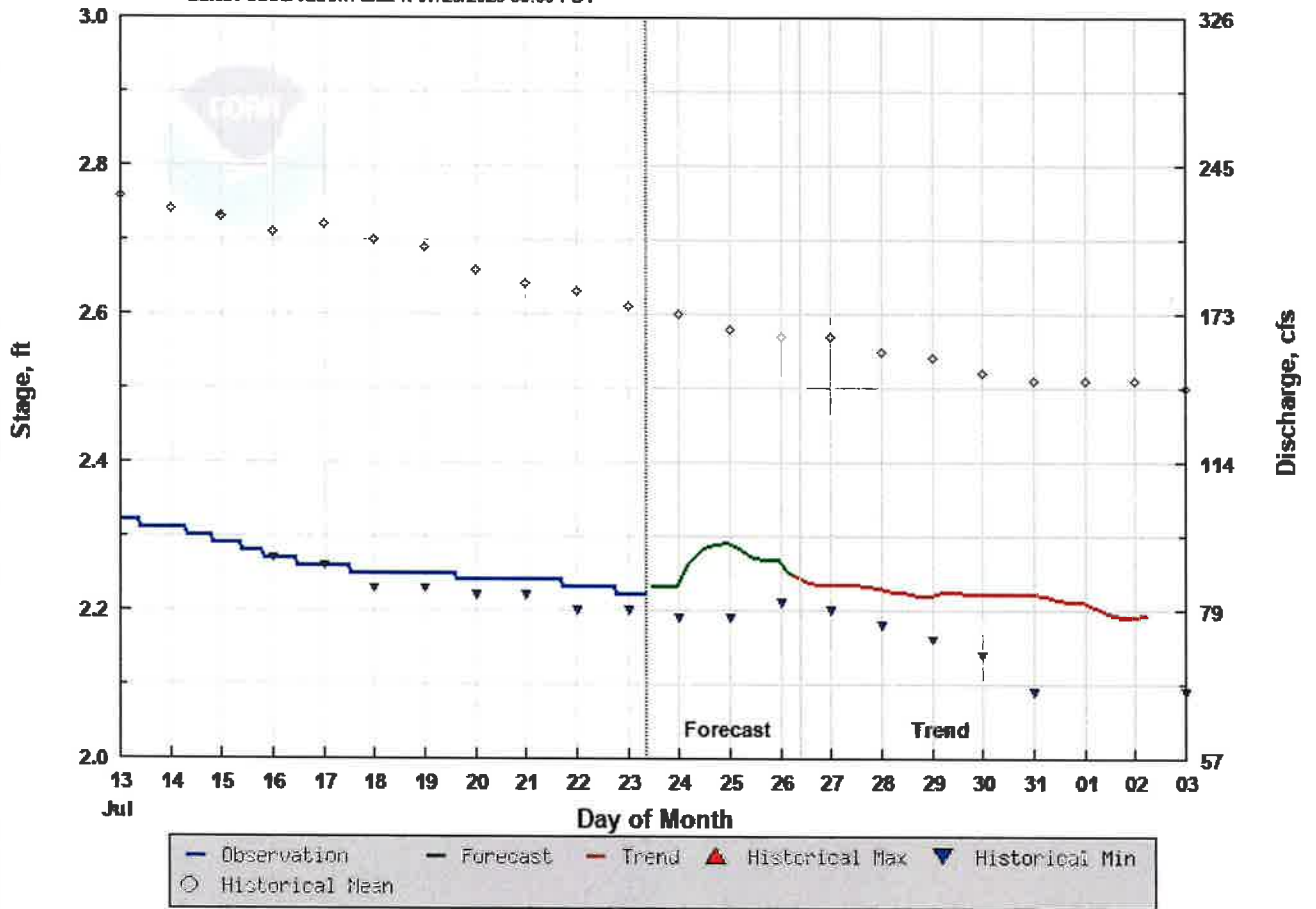
--Alan Fujishin
Gibson Farms, Siletz
Alan.gibsonfarms@gmail.com

Excerpts from Footnotes Below:

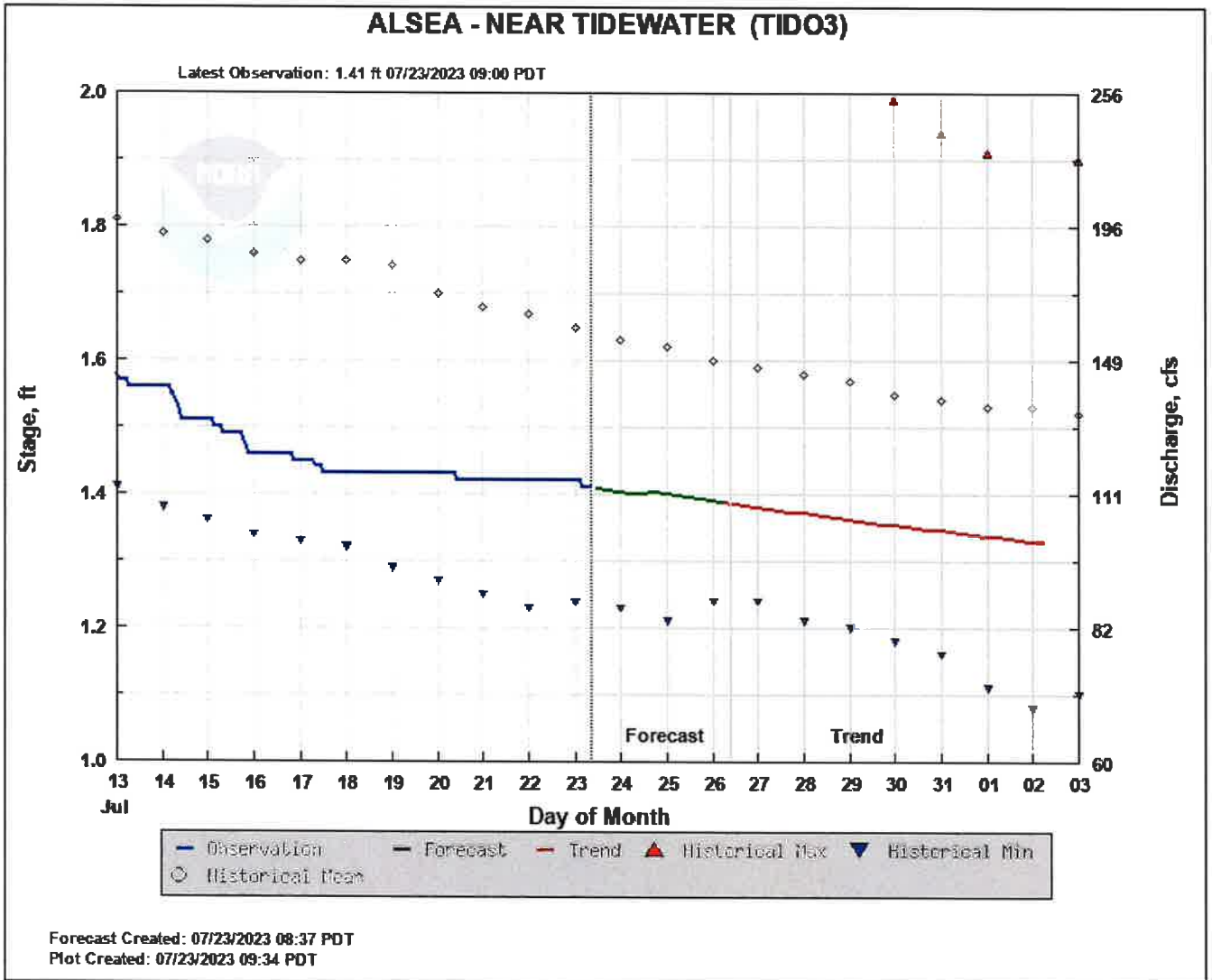
¹³ https://apps.wrd.state.or.us/apps/WR/drought_dashboard/Default.aspx

SILETZ - AT SILETZ (SILO3)

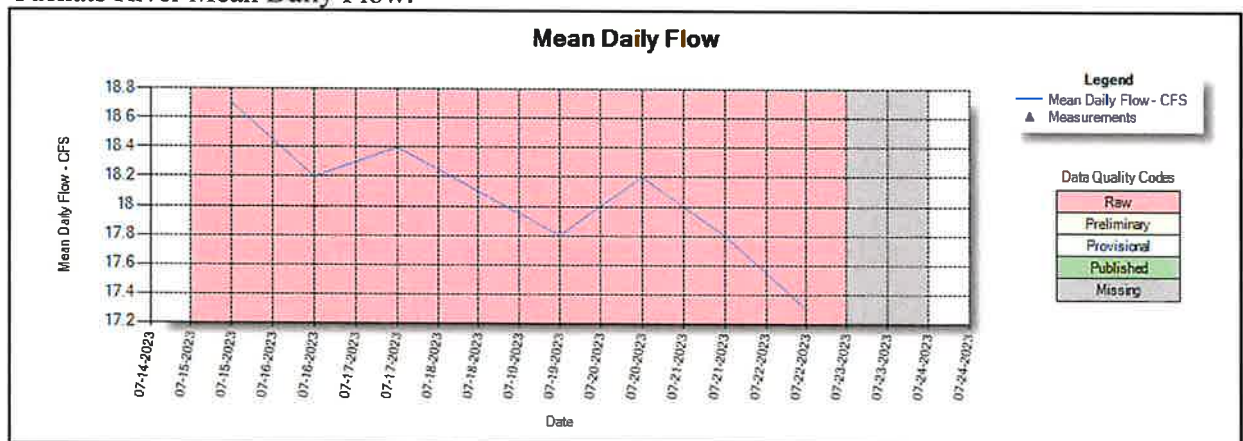
Latest Observation: 2.22 ft 07/23/2023 08:30 PDT



Forecast Created: 07/23/2023 08:37 PDT
 Plot Created: 07/23/2023 09:33 PDT

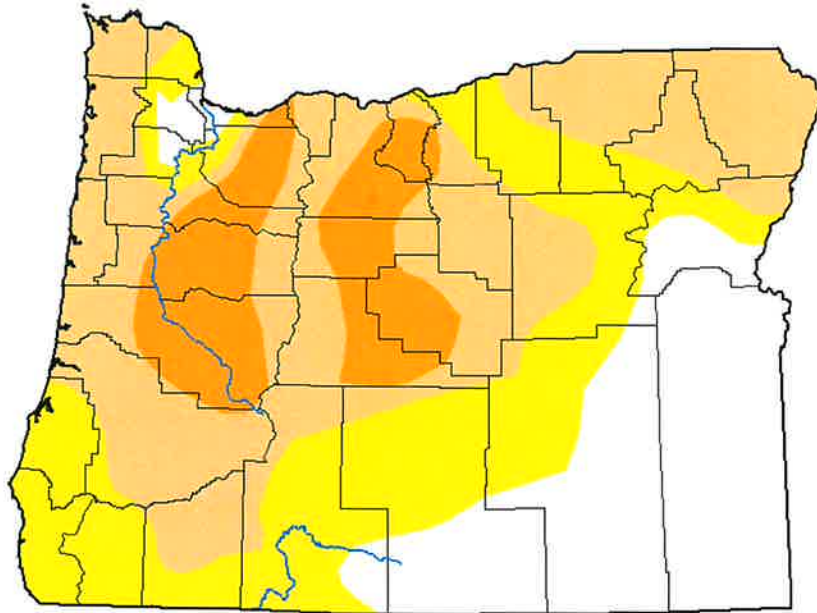


Yachats River Mean Daily Flow:









U.S. Drought Monitor Oregon

July 18, 2023
(Released Thursday, Jul. 20, 2023)
Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

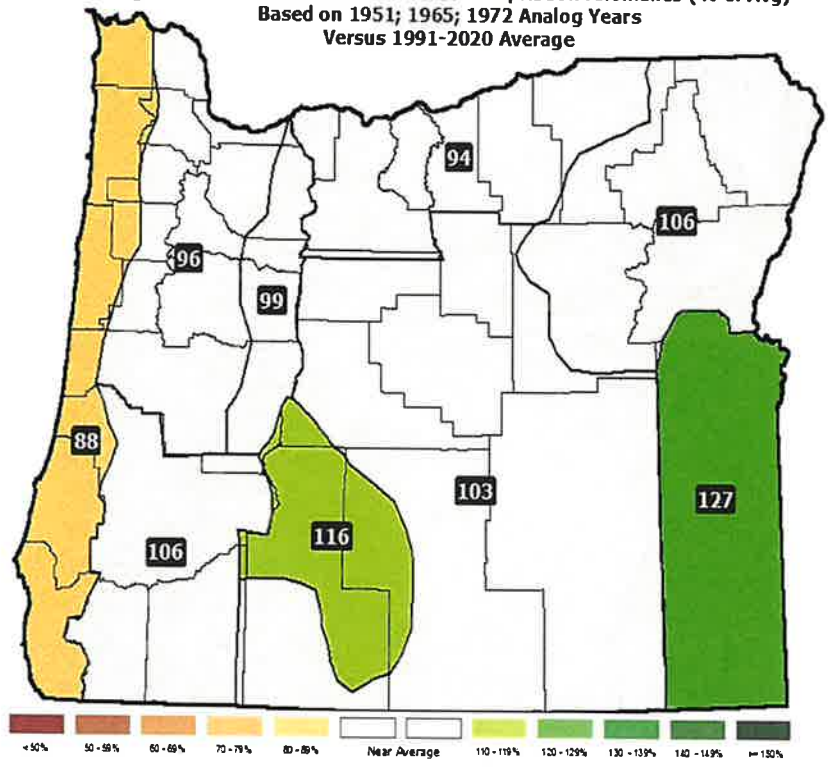
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

August 2023 - October 2023 Forecast Precipitation Anomalies (% of Avg)
Based on 1951; 1965; 1972 Analog Years
Versus 1991-2020 Average





August 1, 2023

BOARD OF DIRECTORS
SEAL ROCK WATER DISTRICT
PO BOX 190
SEAL ROCK, OR 97376

The May election is complete and some of you are new to your official positions. Welcome! And many more of you are returning officials who have been serving your local government for quite some time. Thank you.

We are providing this letter to remind you of your responsibilities as a fiduciary of your local government.

As a governing official, you are a trustee of the local government and must exercise due diligence and oversight to ensure the local government is well-managed and its financial situation remains sound. As a trustee, you also carry some responsibility to ensure compliance with certain laws, rules, and grant or loan covenants.

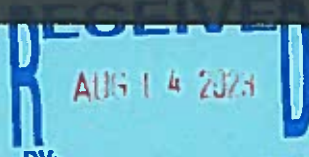
Municipal Audit Law provides instructions for reports local governments are required to submit annually to the Secretary of State. Annual reporting is important for ensuring local governments are transparent and accountable to the public.

Under Municipal Audit Law (ORS 297.405-297.990), financial reports **must be filed each year** with the Oregon Audits Division. These annual filings must be filed either 90 or 180 days after fiscal year end and require a response to any findings reported by the independent auditor within 30 days of filing. Failure to file annual reports could result in dissolution.

Other areas of responsibility include the following:

1. Government Ethics for Public Officials - ORS 244¹
2. Public meetings and public records law - ORS 192
3. Local budget law - ORS 294
4. Procurement and contracting - ORS Chapters 279A-C
5. Deposit and Investment of public funds - ORS Chapters 294 and 295

¹ ORS - Oregon Revised Statutes



BY: _____

MUNICIPAL AUDIT LAW CHANGES effective January 1, 2024

You are receiving this letter because you are currently registered as a local government subject to Municipal Audit Law (ORS 297.405 - 297.990). Changes to Municipal Audit Law were enacted during the 2023 legislative session and impact all local governments.

House Bill 2110 A amended Municipal Audit Law; these changes become effective January 1, 2024. You can find more details on HB 2110 A online at

<https://olis.oregonlegislature.gov/liz/2023R1/Measures/Overview/HB2110>. Key changes are listed below.

1. **Updated thresholds:** Audits are required for counties and school districts and are now required for entities spending more than \$1 million annually — an increase from \$500,000. All other entities may be eligible for an audit exemption. Entities spending less than \$250,000 may be eligible to file a self-prepared report in lieu of audit.

Report Type	Thresholds as of 1/1/24
Audit	> \$1,000,000
AUP	\$250,001 - \$1,000,000
Self-Prepared	≤ \$250,000

2. **Agreed Upon Procedures (AUP) reporting:** Replacing review reports, AUP reporting directs auditors to perform and report results of procedures specified in the Oregon Minimum Standards (OAR 162-040). The procedures will address certain components of financial reporting, operations, and compliance.
3. **Filing fees:** As determined by entity spending, increased fees will range from \$40 to \$500.

Spending over	Spending Not Over	Annual Fee
\$0	\$50,000	\$40
\$50,000	\$150,000	\$80
\$150,000	\$250,000	\$150
\$250,000	\$500,000	\$250
\$500,000	\$1,000,000	\$300
\$1,000,000	\$5,000,000	\$350
\$5,000,000	\$10,000,000	\$400
\$10,000,000	\$50,000,000	\$450
\$50,000,000	-	\$500

Analytical Report

Seal Rock Water District

Supplemental Drinking Water Cyanotoxin Monitoring

Sampling Event: 2307196



State of Oregon
**Department of
Environmental
Quality**

Laboratory and Environmental
Assessment Division

7202 NE Evergreen Parkway
Suite 150
Hillsboro, OR 97124-6536

Phone: 503.693.5700

Fax: 503.693.4999

www.oregon.gov/DEQ

*DEQ is a leader in restoring
maintaining and enhancing
the quality of Oregon's air,
land and water.*

Report to: Adam Denlinger



The results contained in this report relate only to the items tested. The data in this report was reviewed for technical accuracy in the applicable departments. The signatory below has reviewed the report for completeness and has approved it for final release.

Nathan Reetz
Laboratory Project Manager

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196 Supplemental Drinking Water Cyanotoxin Monitoring

Narrative

The official signed report is retained on file by the laboratory. All unsigned and electronic copies of this report are unofficial copies of the official document. The title page of the report bears the name of the primary document recipient. Questions as to the integrity of the data contained in this report should be directed first to the report's primary recipient and second to the laboratory. The laboratory maintains all raw data and records from which this report has been generated for a period of no less than five years. Additional electronic and/or printed copies of this report can be obtained by contacting the laboratory.

The DEQ Laboratory employs in its operations standard analytical methods that have been adopted by governing agencies for their specific application to sample matrices and regulatory programs of interest. In cases where standard analytical methods have not been promulgated, the laboratory has developed "in-house" methods which are consistent with best laboratory operating practices that will result in data of a quality appropriate for the intended use of information. Furthermore, all data has been scrutinized for adherence to established Quality Assurance /Quality Control (QA/QC) guidelines. Unless otherwise noted, the information contained in this report meets all the aforementioned requirements as documented in the laboratory's Quality Assurance Manual and Standard Operating Procedures. Specific deviations from these requirements are noted, as appropriate, in this report. Questions or concerns regarding the contents of this report can be addressed by contacting the DEQ laboratory.

General Considerations

The analytical data contained in this report was generated to satisfy specific data quality objectives for the programs and projects under which they were generated. Users of the data must be able to understand potential limitations of the information and its suitability for their intended use. In cases where a portion of the sample analyses were analyzed by organizations other than DEQ, the review of this data was limited to information supplied by the non-DEQ organization.

Data Qualification

All laboratory batch quality control (QC) sample results associated with the samples are contained in this report. Any QC sample that does not meet the specified criteria will be flagged with a "QC" qualifier. Specific sample results associated with a QC parameter that did not meet criteria with a data quality level (DQL) other than "A" have been qualified in the laboratory report to assist in the evaluating the limitations of the data. Certain QC exceedances do not necessarily warrant a change to the DQL as the reported value is not adversely impacted. In these cases, the sample results associated with the QC receive no further qualification.

Some examples of this are:

- 1) Non-detected results with QC exceedances that indicate a high bias.
- 2) Blank results indicate slight contamination from field or laboratory activities however the target analyte in the sample is present in significantly high concentrations relative to the blank.
- 3) Blank results indicate slight contamination from field or laboratory activities however the target analyte is not detected in the sample.
- 4) Duplicate sample results where the sample concentrations are sufficiently low (< 5x the LOQ) to affect the applicability of the RPD limits.
- 5) Matrix spike results where the source sample concentration is sufficiently higher than the spike amount to affect the applicability of the spike recovery calculation.

Field Quality Control

Where applicable, field quality control (blanks and duplicate) samples should be reviewed for their potential impact on the samples in a sampling event, or multiple sampling events, involved for a project. See DEQ09-LAB-0006-QAG for more information.

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196 Supplemental Drinking Water Cyanotoxin Monitoring

Sampling Event Summary

Client: Seal Rock Water District

Project: Supplemental Drinking Water Cyanotoxin Monitoring

Qtime #: 46054

Sampled by: Adam Denlinger

ID #	Type:	Station #:	Description:	Matrix:	Sample Date Time
2307196-01	GS		PWS00798-SRC-CA	Water::LAB	24-Jul-2023 8:04
2307196-02	GS		Beaver Creek	Water::LAB	24-Jul-2023 8:10

Key to Sample Type

GS = Grab Sample

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196 Supplemental Drinking Water Cyanotoxin Monitoring

Sample Data

2307196-01 (Water::LAB) Station: PWS00798-SRC-CA

Description: PWS00798-SRC-CA

Analyte	Result	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Qualifiers
Cyanotoxin Compounds by Enzyme Linked Immunosorbent Assay							DEQ ELISA	
Cylindrospermopsin	ND	0.10	µg/L	1	B23G207	25-Jul-23	26-Jul-23	
Microcystins ADDA, Total	ND	0.13	µg/L	1	B23G206	25-Jul-23	26-Jul-23	

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196 Supplemental Drinking Water Cyanotoxin Monitoring

Sample Data

2307196-02 (Water::LAB) Station: Beaver Creek

Description: Beaver Creek

Analyte	Result	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Qualifiers
<u>Cyanotoxin Compounds by Enzyme Linked Immunosorbent Assay</u>							<u>DEQ ELISA</u>	
Anatoxin-a	ND	0.44	µg/L	1	B23G230	27-Jul-23	28-Jul-23	
Cylindrospermopsin	ND	0.10	µg/L	1	B23G207	25-Jul-23	26-Jul-23	
Microcystins ADDA, Total	ND	0.13	µg/L	1	B23G206	25-Jul-23	26-Jul-23	
Saxitoxin	ND	0.03	µg/L	1	B23G231	27-Jul-23	28-Jul-23	

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196

Laboratory Quality Control Data

Cyanotoxin Compounds by Enzyme Linked Immunosorbent Assay

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B23G230 - EPA 546 Prep										
Blank (B23G230-BLK1)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Anatoxin-a	ND	0.44	µg/L							
Blank (B23G230-BLK2)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Anatoxin-a	ND	0.44	µg/L							
LCS (B23G230-BS1)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Anatoxin-a	1.05	0.44	µg/L	1.11		94	60-140			
LCS Dup (B23G230-BSD1)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Anatoxin-a	0.81	0.44	µg/L	1.11		73	60-140	25	40	
Duplicate (B23G230-DUP1)				Source: 2307211-03			Prepared: 27-Jul-23 Analyzed: 28-Jul-23			
Anatoxin-a	1.37	0.44	µg/L		1.47			7	30	
Matrix Spike (B23G230-MS1)				Source: 2307211-02			Prepared: 27-Jul-23 Analyzed: 28-Jul-23			
Anatoxin-a	0.94	0.44	µg/L	1.11	ND	84	60-140			
Matrix Spike Dup (B23G230-MSD1)				Source: 2307211-02			Prepared: 27-Jul-23 Analyzed: 28-Jul-23			
Anatoxin-a	0.99	0.44	µg/L	1.11	ND	89	60-140	6	40	
Batch B23G207 - EPA 546 Prep										
Blank (B23G207-BLK1)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Cylindrospermopsin	ND	0.10	µg/L							
Blank (B23G207-BLK2)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Cylindrospermopsin	ND	0.10	µg/L							
LCS (B23G207-BS1)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Cylindrospermopsin	0.45	0.10	µg/L	0.500		90	60-140			
LCS Dup (B23G207-BSD1)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Cylindrospermopsin	0.55	0.10	µg/L	0.500		111	60-140	21	40	
Duplicate (B23G207-DUP1)				Source: 2307196-02			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Cylindrospermopsin	ND	0.10	µg/L		ND				30	
Matrix Spike (B23G207-MS1)				Source: 2307164-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Cylindrospermopsin	0.59	0.10	µg/L	0.500	ND	118	60-140			
Matrix Spike (B23G207-MS2)				Source: 2307196-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Cylindrospermopsin	0.61	0.10	µg/L	0.500	ND	121	60-140			
Matrix Spike Dup (B23G207-MSD1)				Source: 2307164-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Cylindrospermopsin	0.60	0.10	µg/L	0.500	ND	119	60-140	1	40	
Matrix Spike Dup (B23G207-MSD2)				Source: 2307196-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Cylindrospermopsin	0.55	0.10	µg/L	0.500	ND	110	60-140	9	40	

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196

Laboratory Quality Control Data

Cyanotoxin Compounds by Enzyme Linked Immunosorbent Assay

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B23G206 - EPA 546 Prep										
Blank (B23G206-BLK1)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Microcystins ADDA, Total	ND	0.13	µg/L							
Blank (B23G206-BLK2)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Microcystins ADDA, Total	ND	0.13	µg/L							
LCS (B23G206-BS1)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Microcystins ADDA, Total	0.59	0.13	µg/L	0.500		118	60-140			
LCS Dup (B23G206-BSD1)				Prepared: 25-Jul-23 Analyzed: 26-Jul-23						
Microcystins ADDA, Total	0.45	0.13	µg/L	0.500		90	60-140	27	40	
Duplicate (B23G206-DUP1)				Source: 2307196-02			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Microcystins ADDA, Total	ND	0.13	µg/L		ND				30	
Matrix Spike (B23G206-MS1)				Source: 2307164-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Microcystins ADDA, Total	0.55	0.13	µg/L	0.500	0.05	111	60-140			
Matrix Spike (B23G206-MS2)				Source: 2307196-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Microcystins ADDA, Total	0.56	0.13	µg/L	0.500	ND	112	60-140			
Matrix Spike Dup (B23G206-MSD1)				Source: 2307164-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Microcystins ADDA, Total	0.57	0.13	µg/L	0.500	0.05	115	60-140	4	40	
Matrix Spike Dup (B23G206-MSD2)				Source: 2307196-01			Prepared: 25-Jul-23 Analyzed: 26-Jul-23			
Microcystins ADDA, Total	0.55	0.13	µg/L	0.500	ND	110	60-140	2	40	
Batch B23G231 - EPA 546 Prep										
Blank (B23G231-BLK1)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Saxitoxin	ND	0.03	µg/L							
Blank (B23G231-BLK2)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Saxitoxin	ND	0.03	µg/L							
LCS (B23G231-BS1)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Saxitoxin	0.12	0.03	µg/L	0.111		111	60-140			
LCS Dup (B23G231-BSD1)				Prepared: 27-Jul-23 Analyzed: 28-Jul-23						
Saxitoxin	0.12	0.03	µg/L	0.111		104	60-140	7	40	
Duplicate (B23G231-DUP1)				Source: 2307211-03			Prepared: 27-Jul-23 Analyzed: 28-Jul-23			
Saxitoxin	0.02 J	0.03	µg/L		0.01			7	30	
Matrix Spike (B23G231-MS1)				Source: 2307211-02			Prepared: 27-Jul-23 Analyzed: 28-Jul-23			
Saxitoxin	0.12	0.03	µg/L	0.111	ND	110	60-140			
Matrix Spike Dup (B23G231-MSD1)				Source: 2307211-02			Prepared: 27-Jul-23 Analyzed: 28-Jul-23			
Saxitoxin	0.12	0.03	µg/L	0.111	ND	106	60-140	3	40	

DEQ Laboratory and Environmental Assessment Division

Analytical Report

Sampling Event: 2307196

Qualifiers and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LOD	Limit of Detection
LOQ	Limit of Quantitation
ND*	In order to provide a consistent report format, numeric results provided by outside laboratories that are below the listed LOQ have been changed to "ND" at the LOQ provided by the outside laboratory.



2 3 0 7 1 9 6

Client²: **Supplemental Drinking Water**

Project³: **Seal Rock Water District**

QAPP or SAP#⁴: **DEQ15-0018-LAB**

Survey⁵:

Survey Batch⁶: **Summer 2023**

Sample Collector (s)⁷:

Sampling Agency⁸: **DEQ**

QTime Code⁹: **46054**

LEAP Coordinator and Contact #11: **Nathan Reetz, 503-693-5756**

Report Recipients¹²: **N. Reetz and K. Williams**

TAT or Due Date¹⁰: **30 days**

Sample Information						Bottle Types ²⁰						
Item ¹³	LASAR ID # ¹⁴	Collection Date ¹⁵ : 7/24/2023				AG 125 ml: 90 ml sample, 10 ml diluant	AG, 1250ml	PETG 250 ml				Request for Analysis ²¹
		Station Name ¹⁶	Time ¹⁷	Sample Type ¹⁸	Report Matrix ¹⁹							
1		PSW00798-SRC-CA	08:04	GS	RS	-	1	-				
2		Beaver Creek	08:10	GS	RS	1	-	1				

Event Comments: **Transferred collection date from bottle to COC at Lab - AM and time**

Chain of Custody²²

Relinquished By:	Agency/Company	Date/Time	Received by:	Agency/Company	Date/Time
ADAM DEVLINGER	SEAL ROCK WATER DIST.	7/24/23 @ 8:10 AM.		OR DEQ	7/25/23 10:44

Sample Receipt Checklist



Event Number: 2307196 Date & Time Received: 7/25/23 10:44

Event Name: Seal Rock WD Sampled Same Day: Y N
Supplemental DW

Shipping Containers

Number of shipping containers: _____ Samples require thermal preservation: Y N
 Cooler(s) contained ice: Y N

Container / Cooler: 1 _____
 Associated Items: All _____
 Temperature Check: 5.1 °C _____ °C _____ °C _____ °C
 Thermometer ID: IR1 _____

Corrective Actions
 If the samples require thermal preservation and the cooler does not contain ice and the temperature check is >6 °C, contact the sample collector and analytical manager and determine if analysis will proceed. All decisions to proceed, cancel, or resample must be documented in writing and attached.

Sample Containers

Yes	No	Standards
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were samples collected in the appropriate containers?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were sample containers clearly and properly labeled?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were sample container numbers recorded correctly on COC?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were samples received intact and without damage?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were sample volumes sufficient for the requested analyses?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were all samples received within their holding times?

Corrective Actions
 If the response to any standard is "No", contact the sample collector and analytical manager and determine if analysis will proceed. All decisions to proceed, cancel, or resample must be documented in writing and attached. Notify analysts of any holding times that are less than 72 hours.

Sample Preservation

Yes	No	Standards
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Was sample preservation checked at the time of sample receipt?
----- Answer the following question only if the previous response was "Yes." -----		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were all samples properly preserved (where appropriate)?

Corrective Actions
 If the response is "No", notify analytical staff that preservation must be checked prior to analysis.
 If the response is "No", attach the "Sample Preservation exception Form".

Chain-of-Custody

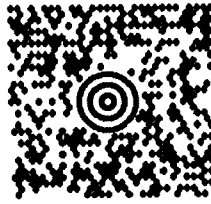
Yes	No	N/A		On Cooler	On Container
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was the Chain of Custody form present and properly signed?	<input type="checkbox"/> Not Present	<input type="checkbox"/> Not Signed

Sample Receiver/Date: [Signature] 7/25/23

FROM:
ADAM DENLINGER
(541) 563-4447
SEAL ROCK WATER DISTRICT
1037 NW GREBE ST
SEAL ROCK OR 97376

20 LBS

RS



OR 971 7-01



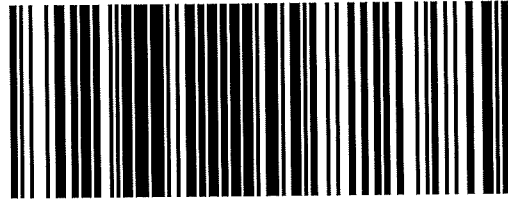
SHIP TO:

NATHAN REETZ
(503) 693-5701
DEQ LABORATORY-HABS
7202 NE EVERGREEN PKWY
HILLSBORO OR 97124-6166

UPS NEXT DAY AIR

TRACKING #: 1Z 862 353 84 5404 0175

1



REF 1:250993072085W23529

BILLING: P/P
DESC: cooler
RETURN SERVICE

WS 26.0.6 Remote Deskto 29.0A 07/2023

Fold here and place in label pouch



NOTIFICATION OF OPERATIONS/PERMIT TO OPERATE POWER-DRIVEN MACHINERY (NOAP)



Notification Number: 2023-553-09307
Operation Name: ANE - South Beaver Creek Aerial Spray

This NOAP includes the following for the lands described in the NOAP:

- The notifier has given notice to the State Forester that pesticides will be applied by helicopter.
- The Oregon Department of Forestry or local Forest Protective Association has issued a permit to use fire or operate power-driven machinery.

Person Submitting the NOAP: Tyrol Forfar
Date NOAP Submitted: August 2, 2023
Report Generated: August 7, 2023

Waiting Period

You must wait at least 30 days after submitting this NOAP before spraying (see ORS 527.788(3)). This waiting period cannot be waived.

90-Day Application Window

Spray activity may happen only during the 90-day window. You may notify for a new 90-day window using the "I Want To..." menu in your Notification Summary within the E-Notification system.

Window Start Date: 9/2/2023
Window End Date: 11/30/2023

Oregon Department of Forestry Contact Info

Toledo
763 NW Forestry Rd
Toledo, Oregon 97391
Phone: (541) 336-2273
Stewardship Forester: Rieghly Sitton
Email: riegghly.k.sitton@odf.oregon.gov

Operator's Fire Emergency Contact

Contact Name: Tyrol Forfar
Phone: 360-600-7691

Landowner(s)

Sorn Nymark
ANE Forests of Oregon C/O HFI Consultants
PO Box 1929
Battle Ground, Washington 98604
360-600-2342

Notice to Landowner(s)

The Oregon Department of Forestry may conduct on-site inspections for compliance with forest practice and fire protection laws.

Written Plans

A Written Plan (in addition to this NOAP) is required before operation activities can begin near the protected resources listed with the Unit information or Site Conditions below or otherwise described to you by the Stewardship Forester ([OAR 629-605-0170](#) (2), (3), and (5)). The Written Plan must describe in detail how the resource(s) will be protected during the operation. There is a waiting period for Written Plans that is separate from the notification waiting period. Contact your Stewardship Forester for more information.

Site Conditions (reported by the Notifier)

- Stream within 100 feet of area.
- Seep or spring within 100 feet of area.

Domestic water supply within 300 feet of area.

Bald Eagle nesting site within half mile of area.

Home or other dwelling within 300 feet of helicopter application of pesticide.

Notices

Submitting this Notification of operations on lands described in the NOAP constitutes consent for Department staff to access the property to ensure compliance with state law and rules governing forest practices through on-site inspections. The landowner must notify the stewardship forester to withdraw this consent.

Permission from Landowner and Timber Owner Required for Operators, purchasers, contractors, general public:

Submitting this notification does *not* give permission for operators, purchasers, contractors, or the general public to enter someone else's land or remove forest products. Anyone doing so must first obtain permission from the landowner and timber owner.

Pesticide Use: Pesticide users must follow all pesticide product label requirements, including any that prohibit applications near or into streams or other water bodies! Pesticide users must be sure the label that comes with the pesticide product allows the planned use! Contact the Oregon Department of Agriculture [here](#) or at 503-986-4635 for information on allowed uses of pesticide products.

Neighboring Communication: Notifier must mark each unit as pending by 7 p.m. the day before spraying. For pending units, notifier must report the spray as complete or incomplete. Notifier must mark units as complete within 24 hours of spraying. For partially sprayed units with plans to return to finish spraying, notifier must report the unit as incomplete by 11:59 p.m. the day after spraying.

For units that do not get sprayed, no reporting is needed. The notifier must mark the unit as pending again before spraying.

Using Water for Pesticides or Slash Burning: If you plan to use on-site water (water from a stream, for example) to mix pesticides or for slash burning, you must provide a copy of this NOAP to the local offices of the Oregon Water Resources Department and the Oregon Department of Fish and Wildlife (see ORS 537.141).

Registrants & Subscribers: There may be registrants and/or subscribers who receive this Notification. See the Notification Summary page within the E-Notification system or contact ODF for more details.

NOAP Changes: The notifier must inform the Oregon Department of Forestry of any changes in a NOAP before the activity takes place. A new NOAP may be required.

Unit 1 of 8: Unit240North_1**No registrants within 1 mile**

8.6 acres

Lincoln County(s)

T12S R11W Sec28

Regulated Use Area: WO-1

Operator:

Anthony Ghidossi
 Pacific AG Services North
 West LLC
 PO Box 875
 Marysville, Washington 98270
 (775) 225-4212

Activity: Herbicide Application (Unit)

Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra
Chemical Carrier(s): water
Chemical Additive(s): Super Spread MSO

Method(s): Aerial -
 Helicopter

Resources on or near this Unit

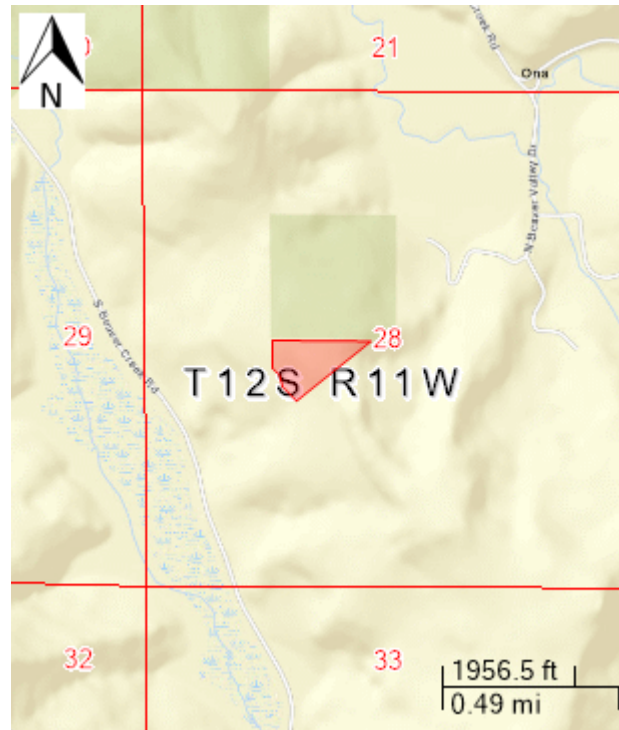
Statutory Written Plan required within 100 feet of

Statutory Written Plan required within 300 feet of

Eagle

Notes:

1. A statutory written plan is required for operations within *300 feet* of Estuarine or Marine Wetlands, not 100 feet as may be shown above.
2. Contact your Stewardship Forester about streams not shown on the map.

Unit Map: Unit240North_1

Unit 2 of 8: Unit240North_2**No registrants within 1 mile**

89.0 acres Lincoln County(s) T12S R11W Sec28,T12S R11W Sec33 Regulated Use Area: WO-1

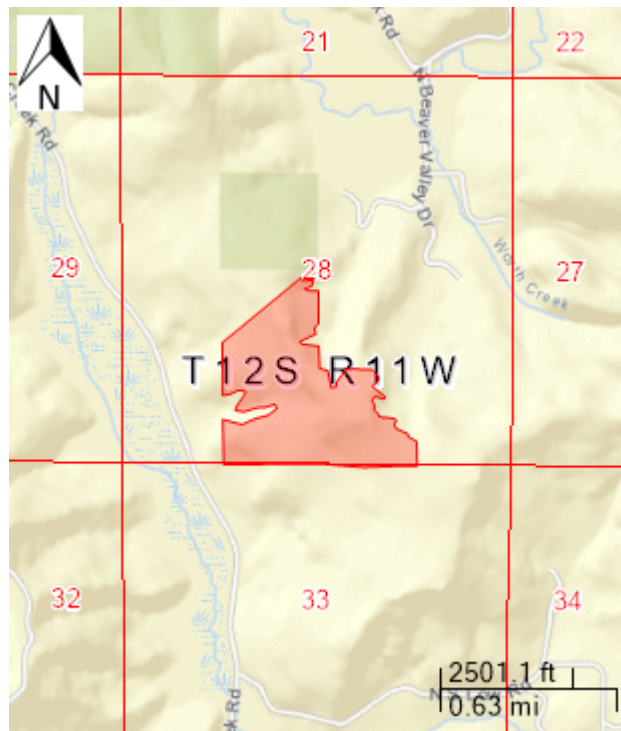
Operator: Anthony Ghidossi Pacific AG Services North West LLC PO Box 875 Marysville, Washington 98270 (775) 225-4212	Activity: Herbicide Application (Unit) Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra Chemical Carrier(s): water Chemical Additive(s): Super Spread MSO	Method(s): Aerial - Helicopter
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Resources on or near this Unit

Statutory Written Plan required within 100 feet of	Statutory Written Plan required within 300 feet of
	Eagle

Notes:

1. A statutory written plan is required for operations within 300 feet of Estuarine or Marine Wetlands, not 100 feet as may be shown above.
2. Contact your Stewardship Forester about streams not shown on the map.

Unit Map: Unit240North_2

Unit 3 of 8: Unit240South

Registrant(s) within 1 mile

69.2 acres Lincoln County(s)

T12S R11W Sec33

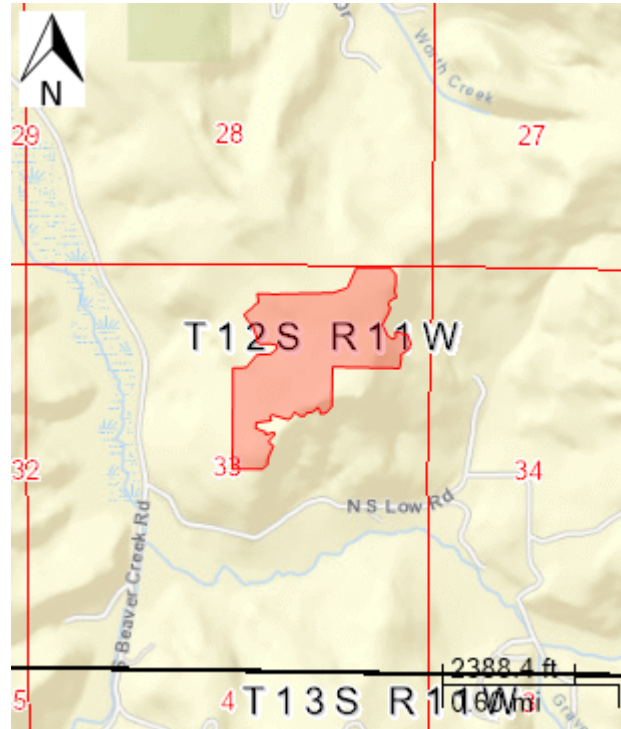
Regulated Use Area: WO-1

Operator:
Anthony Ghidossi
Pacific AG Services North
West LLC
PO Box 875
Marysville, Washington 98270
(775) 225-4212

Activity: Herbicide Application (Unit)
Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra
Chemical Carrier(s): water
Chemical Additive(s): Super Spread MSO

Method(s): Aerial -
Helicopter

Unit Map: Unit240South



Unit 4 of 8: Christmas Camp East**Registrant(s) within 1 mile**

54.9 acres Lincoln County(s) T12S R11W Sec34,T12S R11W Sec35 Regulated Use Area: WO-1

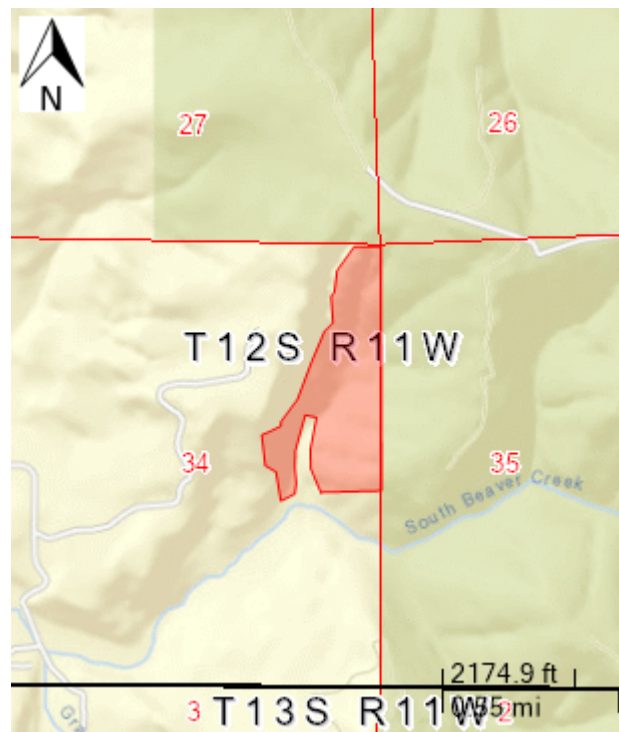
Operator: Anthony Ghidossi Pacific AG Services North West LLC PO Box 875 Marysville, Washington 98270 (775) 225-4212	Activity: Herbicide Application (Unit) Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra Chemical Carrier(s): water Chemical Additive(s): Super Spread MSO	Method(s): Aerial - Helicopter
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Resources on or near this Unit

Statutory Written Plan required within 100 feet of	Statutory Written Plan required within 300 feet of
Unknown: Small - Type F Stream	
Unknown: Small - SSBT Stream	

Notes:

1. A statutory written plan is required for operations within 300 feet of Estuarine or Marine Wetlands, not 100 feet as may be shown above.
2. Contact your Stewardship Forester about streams not shown on the map.

Unit Map: Christmas Camp East

Unit 5 of 8: Graves001**Registrant(s) within 1 mile**

108.4 acres Lincoln County(s) T12S R11W Sec33,T13S R11W Sec4 Regulated Use Area: WO-1

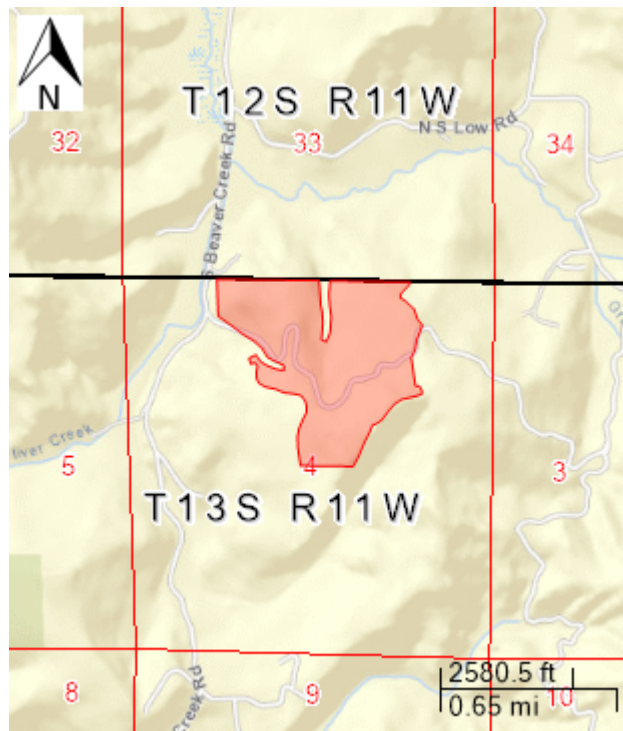
Operator: Anthony Ghidossi Pacific AG Services North West LLC PO Box 875 Marysville, Washington 98270 (775) 225-4212	Activity: Herbicide Application (Unit) Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra Chemical Carrier(s): water Chemical Additive(s): Super Spread MSO	Method(s): Aerial - Helicopter
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Resources on or near this Unit

Statutory Written Plan required within 100 feet of	Statutory Written Plan required within 300 feet of
Wetlands: Freshwater Emergent Wetland	

Notes:

1. A statutory written plan is required for operations within *300 feet* of Estuarine or Marine Wetlands, not 100 feet as may be shown above.
2. Contact your Stewardship Forester about streams not shown on the map.

Unit Map: Graves001

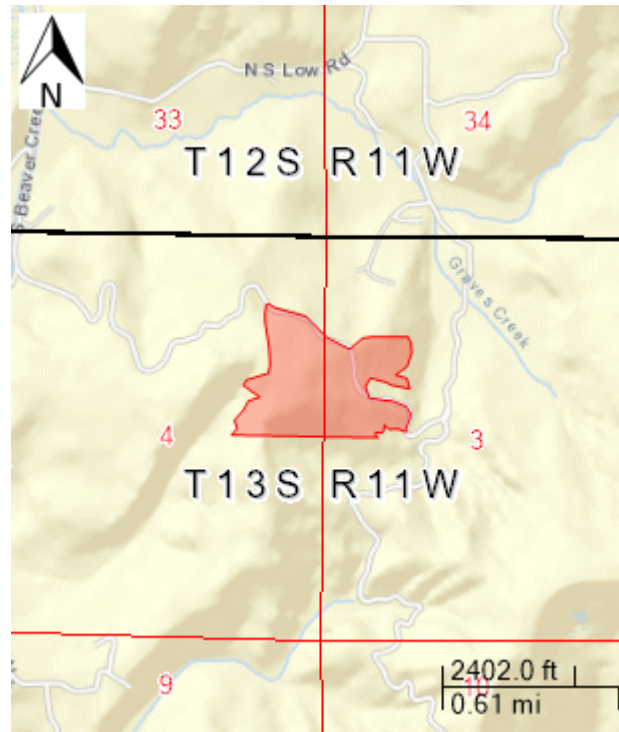
Unit 6 of 8: Graves002

Registrant(s) within 1 mile

59.9 acres Lincoln County(s) T13S R11W Sec3,T13S R11W Sec4 Regulated Use Area: WO-1

Operator: Anthony Ghidossi Pacific AG Services North West LLC PO Box 875 Marysville, Washington 98270 (775) 225-4212	Activity: Herbicide Application (Unit) Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra Chemical Carrier(s): water Chemical Additive(s): Super Spread MSO	Method(s): Aerial - Helicopter
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Unit Map: Graves002



Unit 7 of 8: Graves003-1**Registrant(s) within 1 mile**

72.7 acres Lincoln County(s)

T13S R11W Sec3

Regulated Use Area: WO-1

Operator:

Anthony Ghidossi
 Pacific AG Services North
 West LLC
 PO Box 875
 Marysville, Washington 98270
 (775) 225-4212

Activity: Herbicide Application (Unit)**Chemical(s):** Aquaneat, Rotary 2 SL, Oust Extra**Chemical Carrier(s):** water**Chemical Additive(s):** Super Spread MSO**Method(s):** Aerial -

Helicopter

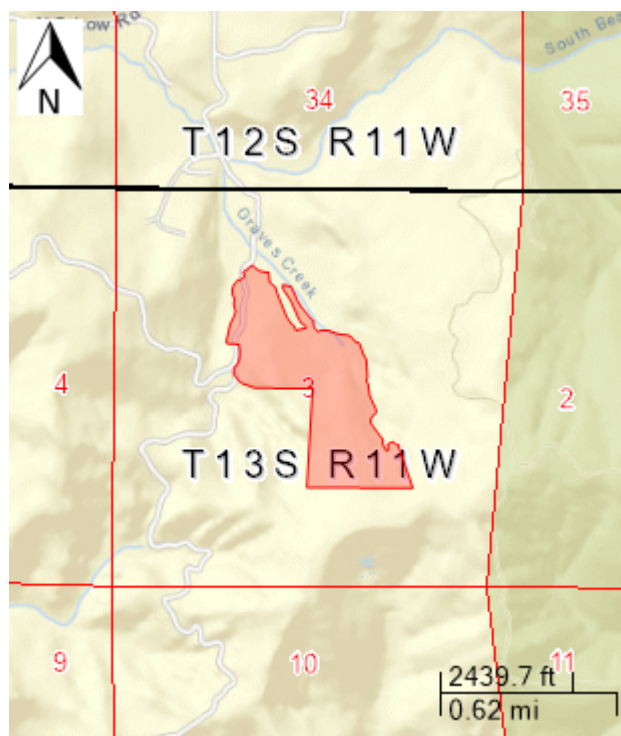
Resources on or near this Unit**Statutory Written Plan required within 100 feet of**

Graves Creek: Small - Type F Stream

Unknown: Small - Type F Stream

Statutory Written Plan required within 300 feet of**Notes:**

1. A statutory written plan is required for operations within *300 feet* of Estuarine or Marine Wetlands, not 100 feet as may be shown above.
2. Contact your Stewardship Forester about streams not shown on the map.

Unit Map: Graves003-1

Unit 8 of 8: Graves003-2**Registrant(s) within 1 mile**

10.9 acres Lincoln County(s)

T13S R11W Sec3

Regulated Use Area: WO-1

Operator:

Anthony Ghidossi
 Pacific AG Services North
 West LLC
 PO Box 875
 Marysville, Washington 98270
 (775) 225-4212

Activity: Herbicide Application (Unit)

Chemical(s): Aquaneat, Rotary 2 SL, Oust Extra
Chemical Carrier(s): water
Chemical Additive(s): Super Spread MSO

Method(s): Aerial -

Helicopter

Resources on or near this Unit**Statutory Written Plan required within 100 feet of**

Graves Creek: Small - Type F Stream

Unknown: Medium - Type F Stream

Unknown: Small - Type F Stream

Statutory Written Plan required within 300 feet of**Notes:**

1. A statutory written plan is required for operations within *300 feet* of Estuarine or Marine Wetlands, not 100 feet as may be shown above.
2. Contact your Stewardship Forester about streams not shown on the map.

Unit Map: Graves003-2