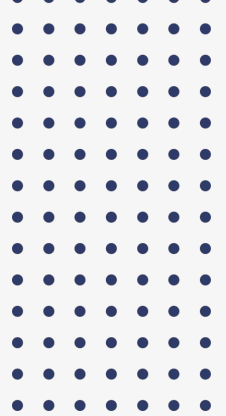
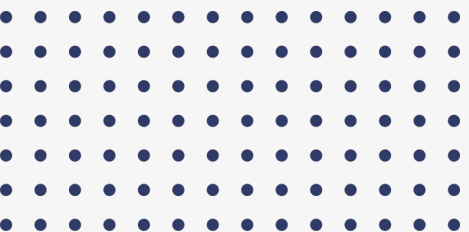


columbia basin sustainable water coalition



A Voice & Resource for Municipal Water Purveyors in Franklin, Lincoln, Adams & Grant Counties



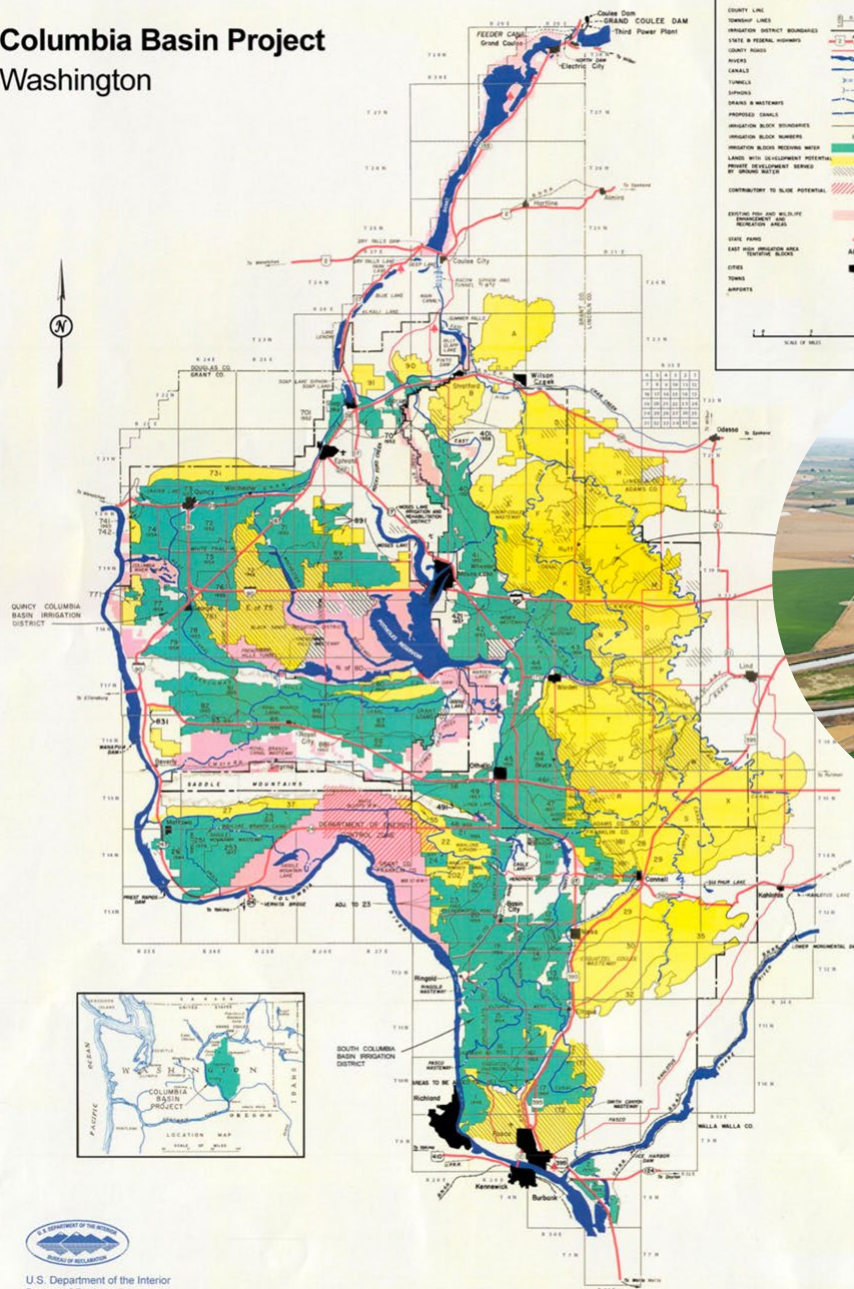
Kristina Ribellia

Executive Director, Columbia Basin Conservation District

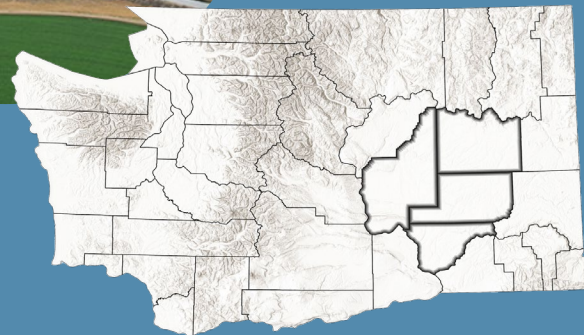
Board Member, Columbia Basin Sustainable Water Coalition

July 11, 2024 / Columbia River PAG

Columbia Basin Project Washington



Background



The Challenge

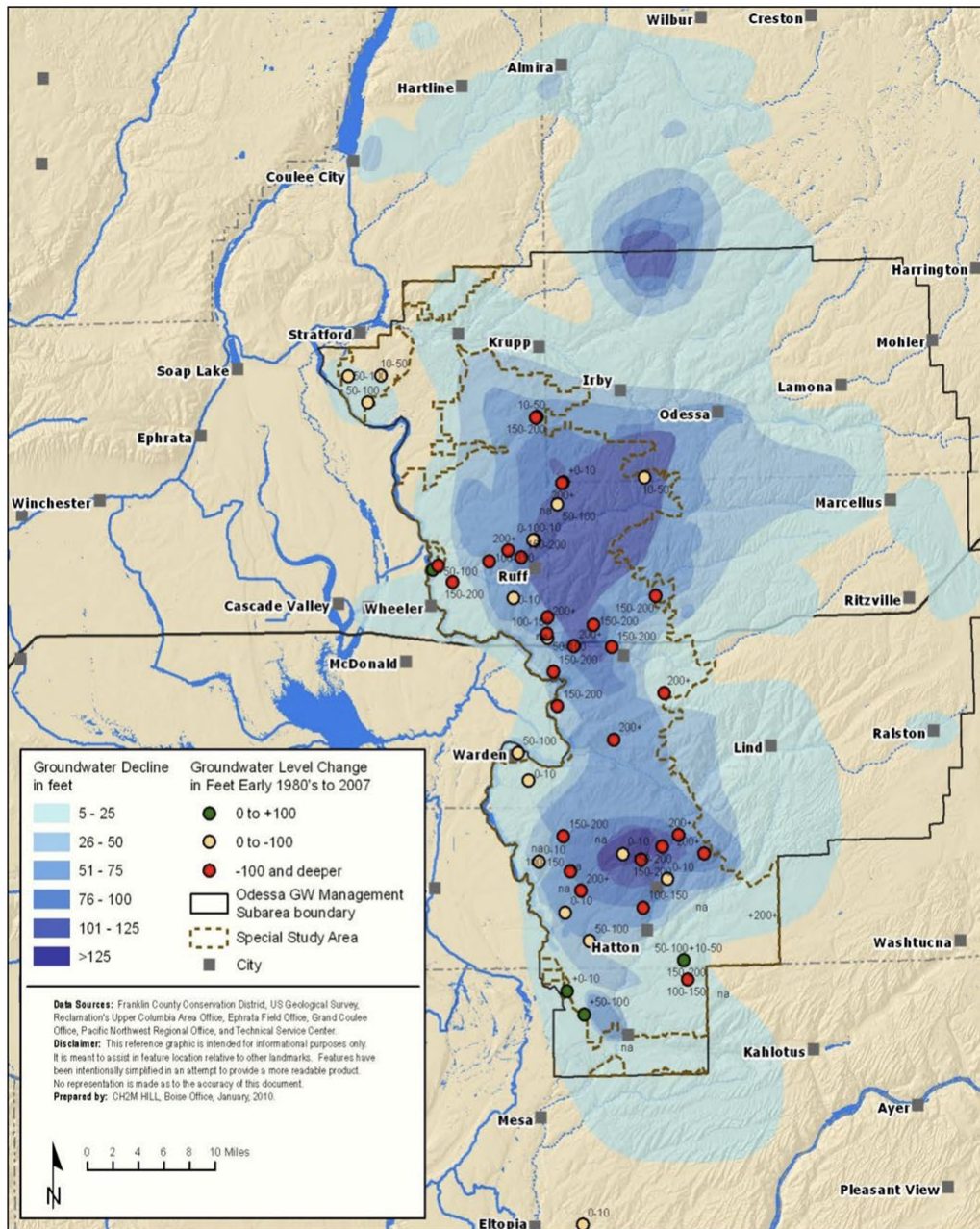



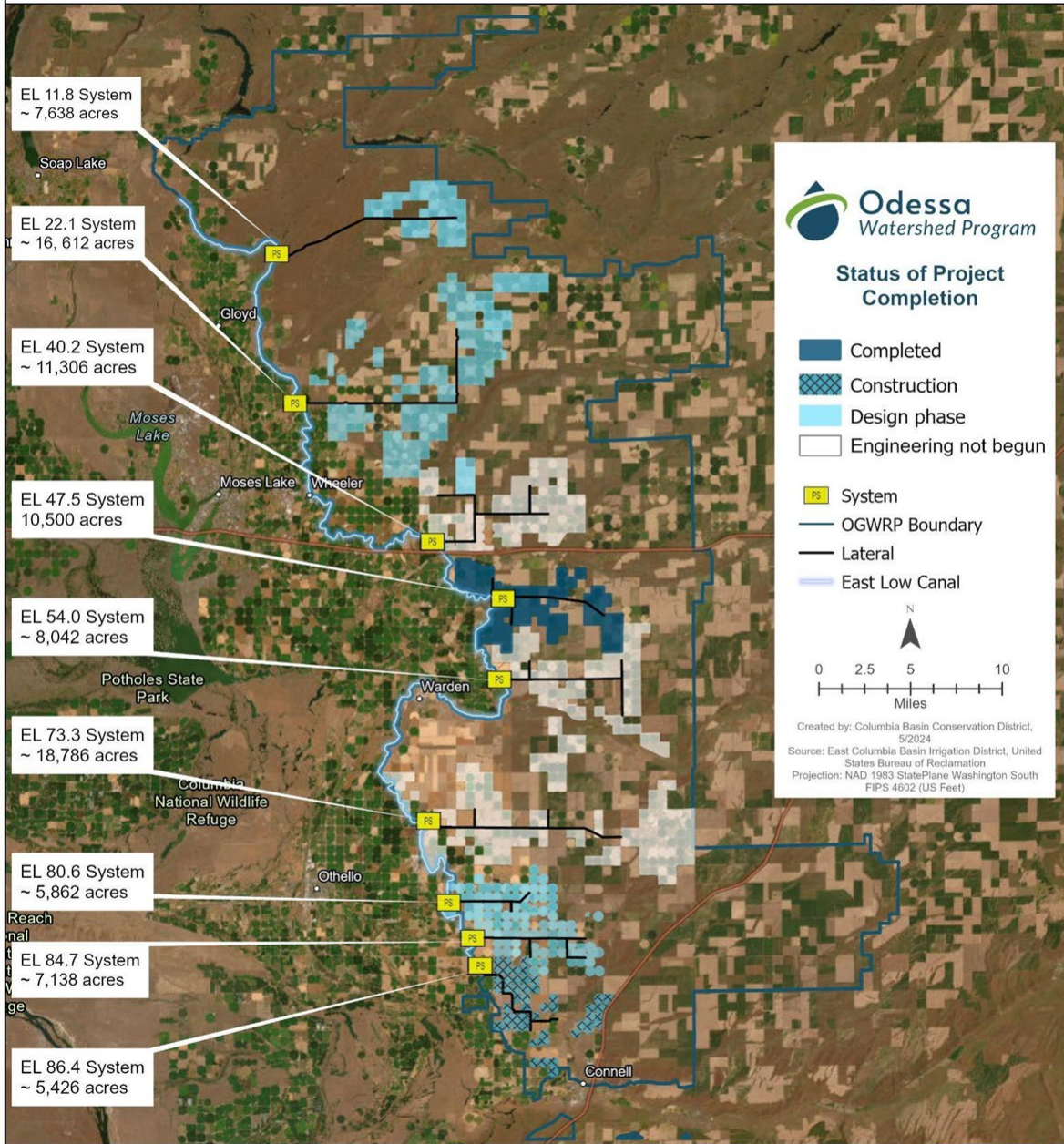
Figure 3. Groundwater level decline in aquifers of the Odessa Subarea, 1981 to 2007.



Municipal Impacts

- 22 communities
 - ~ 60,000 residents
 - ~ 40% of public water systems have are currently impacted or are concerned about their ability to meet demands in the next 10 to 15 years (Commerce, 2019)
 - Increasing costs to rate payers; potential impacts on growth and regional economy
-
- 

Odessa Groundwater Replacement Program (OGWRP)



Major Part of the Solution

For example,
EL 22.1 System

- Convert 17,324 acres
- Conserve ~51,972 AF or 17 billion gallons annually
- Enough to serve ~93,000 homes

In the Meantime

- Municipalities are:
 - Drilling new and deeper wells
 - Looking to shallow groundwater
 - Trying to access CBP M&I water
 - Considering aquifer storage and recovery (ASR)
- Many don't have alternative water supplies or financial resources to adapt



Lind fire 2022



Forming & Funding the CBSWC

2017-2022

Interagency agreement between WSDOH and Commerce (Small Communities Initiative) to provide facilitation and begin coalition building

2022-2023

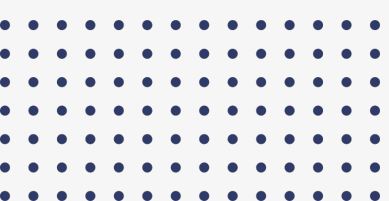
WaterSmart funding through USBR for organizational development and watershed planning

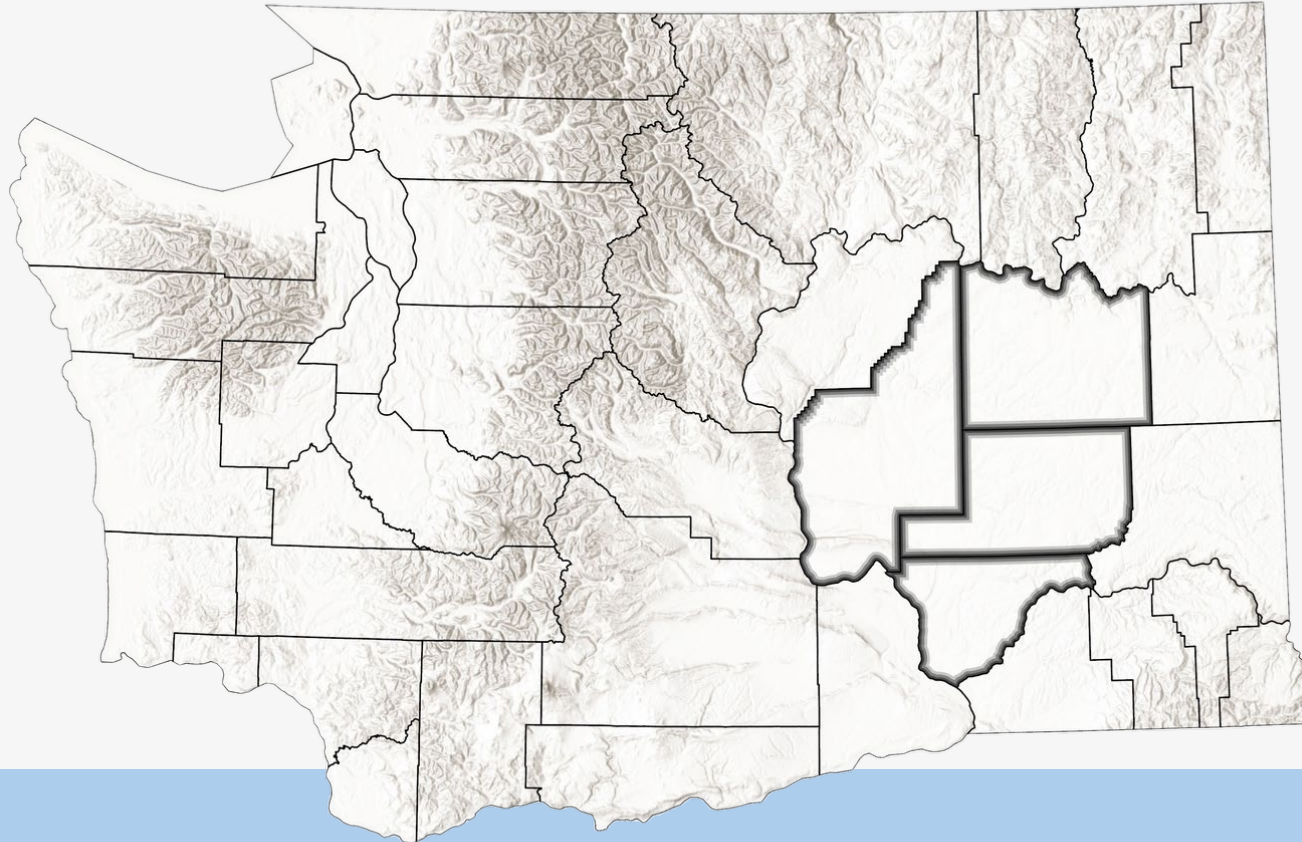
2023-Present

Admin support from Commerce and Conservation Districts

- Columbia Basin CD
- Lincoln County CD
- Franklin CD

In-kind from CBSWC Members





Address potable groundwater supply issues by creating locally driven recommendations that influence water management and policy that will direct resources to create sustainable water solutions.

Mission

Developed CBSWC Bylaws

BYLAWS OF COLUMBIA BASIN SUSTAINABLE WATER COALITION

ARTICLE 1. ORGANIZATION

1.1 Name

The Name of this organization shall be the Columbia Basin Sustainable Water Coalition.

1.2 Structure

The organization shall be an informal nonprofit coalition.

ARTICLE 2. PURPOSE

The purpose of the organization shall be to develop locally and regionally implementable activities to address potable groundwater supply issues for Group A and B water systems in Franklin, Lincoln, Adams, and Grant counties in Washington State. Any system with more than 14 connections or that serves 25 or more individuals for 60 or more days per year is a Group A system. Group B systems serve fewer than 15 connections and fewer than 25 people per day.

ARTICLE 3. OFFICES

The principal office of the organization shall be located at its principal place of business or such other place as the Board of Directors ("Board") may designate. The organization may have such other offices within the State of Washington, as the Board may designate or as the business of the organization may require from time to time.

ARTICLE 4. MEMBERSHIP

4.1 Qualifications for Membership.

The membership of the organization shall be comprised of members as outlined below. An "entity" is defined as a legal for-profit company, nonprofit, local government, or local quasi-government agency.

4.2 Categories of Members

The organization shall initially have two categories of members: members and associate members. Additional categories of members, the manner of determining each category of members, and the qualifications and rights of each category of members may be established by amendment to these Bylaws.



Formed CBSWC's Board & Held Elections

- **Elsa Bowen, Chair**
Lincoln County Conservation District
- **Shawn O'Brien, Vice Chair**
City of Ephrata
- **Kristina Ribellia, Secretary**
Columbia Basin Conservation District
- **Judi Ellis, Treasurer**
Group A & B Satellite Mgt. Agency
- **Paul Wollman**
Warden Hutterian Brethren
- **Commissioner Rob Jones**
Grant County
- **Commissioner Clint Didier**
Franklin County
- **Commissioner Jo Gilchrist**
Lincoln County
- **Michele Kiesz, Farmer**
- **Richard Law, City of Moses Lake**
- **Bob Davis, City of Quincy**
- **Kristine Shuler, City of Warden**
- **Cameron Williamson, City of Othello**

Outreach

New Website

www.cbswc.org



RECENT NEWS



SAVE YOUR WATER!
We Need Your Help



Join us!

The Columbia Basin Sustainable Water Coalition (CBSWC) is requesting all Group A & B public water systems located in Franklin, Lincoln, Adams, and Grant County (FLAG Counties) to participate in a Purveyor Roundtable facilitated by the CBSWC.

Purveyor Roundtable

Thursday March 21, 2024
10:30am - 12:30pm
Moses Lake Civic Center
Council Chambers

Purveyor Profiles

TOWN OF LIND
WATER PURVEYOR PROFILE

MAJOR ISSUES

- Declining Aquifer Levels
- Reduced Aquifer Capacity
- Increased Pumping Costs

WATER SOURCES

WELL 7 (FAILED)
Former Output: 1050 GPM
Current Output: 500 GPM
Depth: 800'

WELL 8 (DECLINING)
Former Output: 1050 GPM
Current Output: 750 GPM
Depth: 2035'

FAST FACTS

Service Population: ~400 residents
Median Income: LMI Qualified
Additional Rates: \$6.00/month per 10,500 GPD
Growth Rate: ~10-15%
Main Industries: Residential, Agriculture, and Education

CONTACTS

Paula Bell
Mayor, Town of Lind
majorbell@lindnj.gov

Joseph Pesutti
Town of Lind
jpesutti@lindnj.gov

Town Hall
116 1/2 W Main St, PO Box F
Lind, WA 99141
509-827-3241

CITY OF DAVENPORT
WATER PURVEYOR PROFILE

MAJOR ISSUES

- Lack of Water Storage Facilities
- Inefficient Funding for Projects
- Aging Wells
- Low Water Pressure
- Ability to Meet Summer and Peak Water Demand

WATER SOURCES

WELL 506
Current Output: 1400 GPM
Depth: 1000'
Static Level: 245'

WELL 507
Current Output: 500 GPM
Depth: 1000'
Static Level: 243'

FAST FACTS

Service Population: 1,745 residents
Median Income: \$65,000
Water Rates: \$37.00 per 1,000 ft (Rate when applicable)
Additional Rates: Charge fees for property when applicable
Growth Rate: 1% per year for Health, Education, and Construction

CONTACTS

Fred Bell
Maintenance Superintendent
fredbell@davenportwa.us

City Hall
411 N. 1st St, PO Box 26
Davenport, WA 99122
509-241-0069

Website
davenportwa.us

CITY OF WESTMONT ACRES
WATER PURVEYOR PROFILE

MAJOR ISSUES

- Communication With Regulatory
- Water Testing Lab Availability
- Aged Water System Infrastructure
- Private Well Installation in Service Area

WATER SOURCES

PRIMARY WELL
Year Built: 1979
Current Output: 90 GPM
Depth: 480'

BACKUP WELL
Year Built: 1952
Current Output: 60 GPM
Depth: 480'

FAST FACTS

Service Population: 222 residents
Median Income: Unknown
Water Rates: \$159 per quarter for 30,000 gallons
Additional Rates: Over 30,000 gallons: Over \$1,000 per quarter

CITY OF RITZVILLE
WATER PURVEYOR PROFILE

MAJOR ISSUES

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- Reduced Aquifer Capacity
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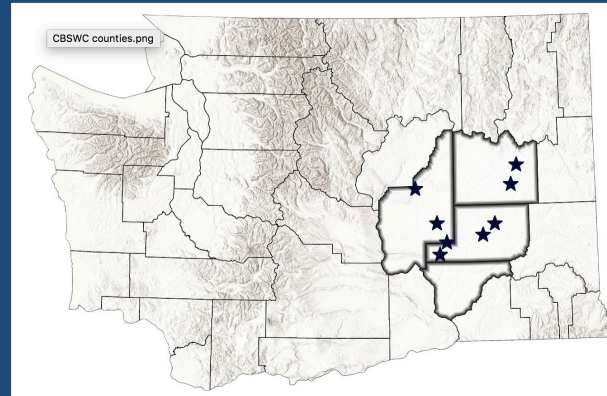
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cbswc.org/purveyors



Stakeholder Meetings

Bi-Monthly

PAST MEETING TOPICS

- Centralized Treatment & Regional Distribution
- Integrated Planning
- PFAS/PFOAS
- USBR M&I Water
- Aquifer Management
- Reclaimed/Reused Water
- Purveyor Roundtable

UPCOMING TOPICS

- July 18th - Reclaimed/Reused Water
- Sept. 19th - CRI Update (Tentative)
- TBD - Elected Officials Forum

PRELIMINARY WATERSHED MANAGEMENT PLAN

Mid-Columbia Basin, Washington

December 21, 2023

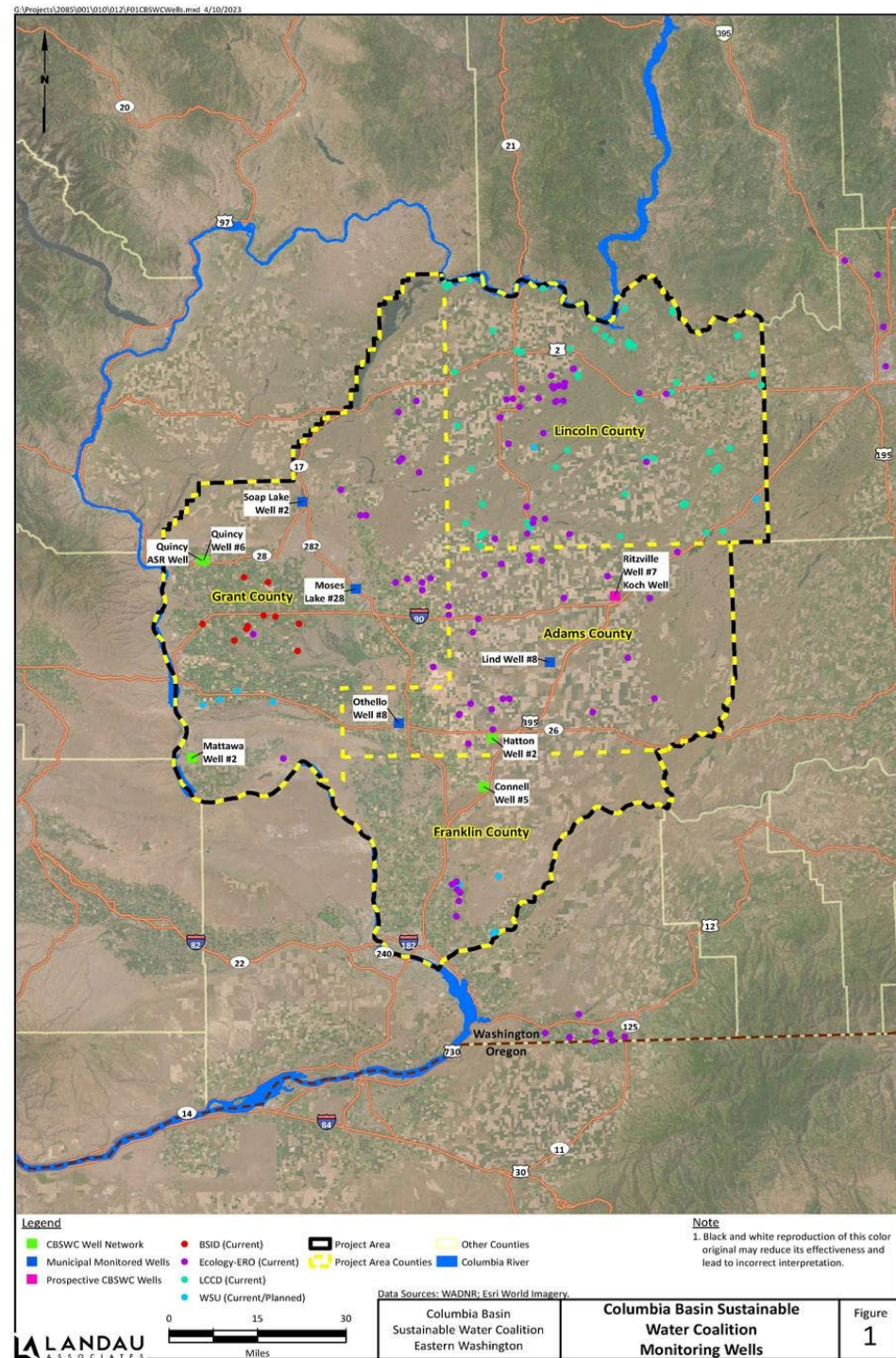
Prepared for

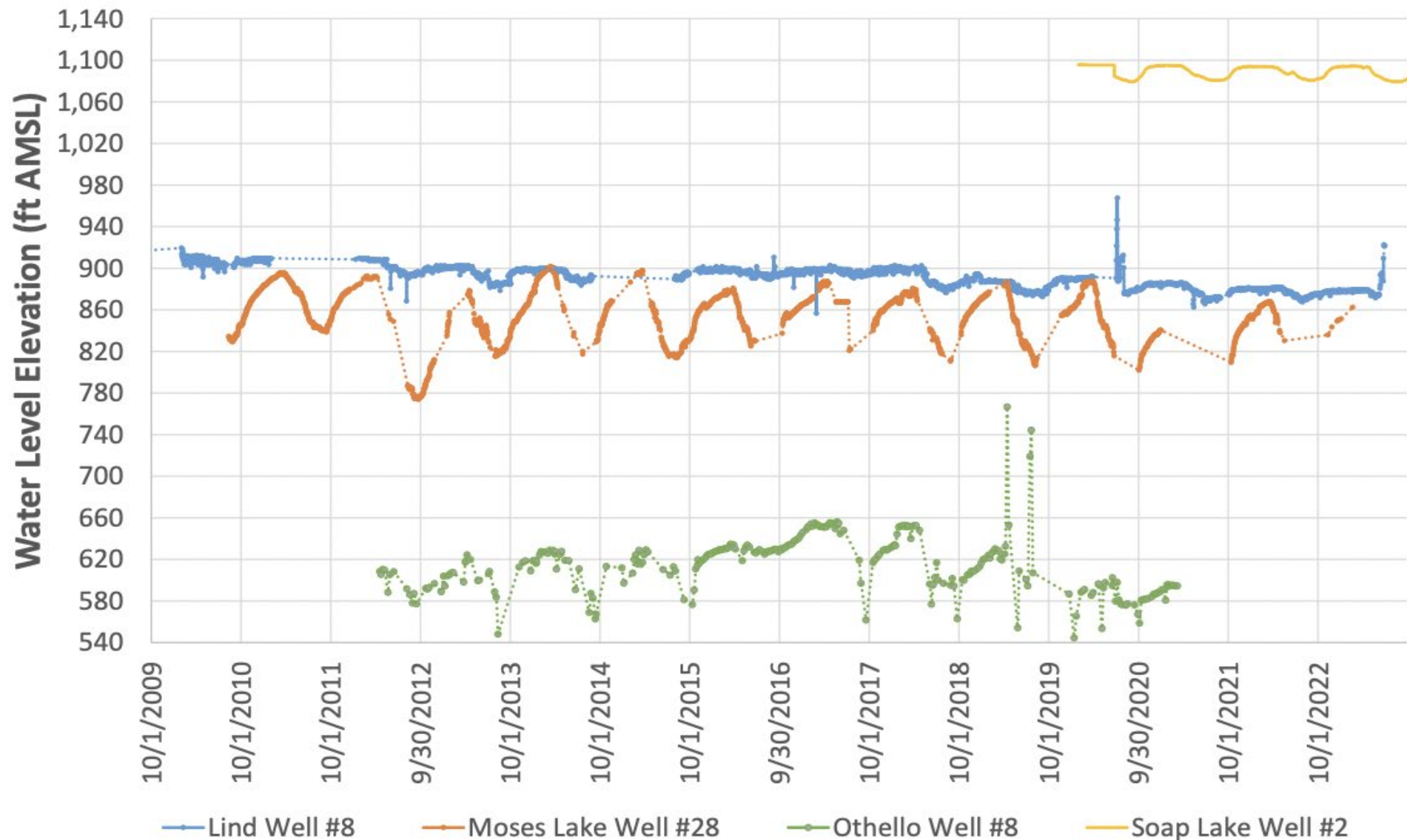
Columbia Basin Sustainable Water Coalition
Mid-Columbia Basin, Washington

The preliminary watershed management plan provides:

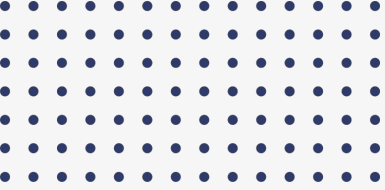
- Initial assessment of the groundwater supply challenges faced by CBSWC municipalities and other water purveyor members
- Recommendations regarding water resource management projects, tools, and planning alternatives

Well Monitoring Network



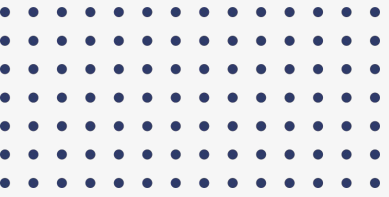


Note: Graph excludes water level elevations recorded while respective pumps are on (Lind Well #8, Moses Lake Well #28, and Othello Well #8. The Soap Lake Well #2 does not have a pump installed).



Long-term
declining trends of
1-5 ft per year in
the deep aquifer
(in some cases more)

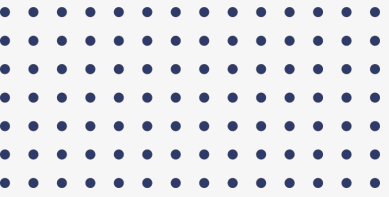




Evaluated Alternatives

Developed and
utilized a scoring
criteria and ranking

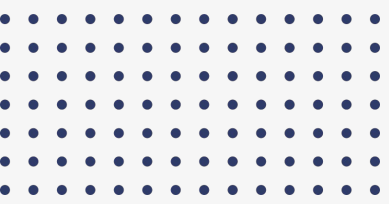




Preferred Project Alternatives

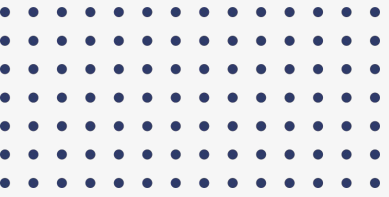


1. Odessa Groundwater Replacement Program
2. New Source Treatment and Regional Distribution
3. Water Conservation
4. Columbia Basin Project Completion
5. Aquifer Recharge by Deep Well Injection
6. Aquifer Recharge by Passive Rehydration
(Possibly Artesian / Black Lakes area)



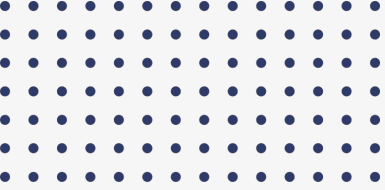
Preferred Water Resource Management Tool Alternatives

1. Groundwater Level Monitoring
2. Numerical Groundwater Modeling



Preferred Water Resource Planning Alternatives

1. Integrated Planning and Project Implementation
2. Groundwater Management Planning
3. Bureau of Reclamation Basin Study
4. Coordinated Water System Planning



Now it's time to
take action.



Project Advocacy & Implementation

- #1 Priority: Odessa Groundwater Replacement Program
- Support other projects and conservation efforts
- Pursue USBR WaterSmart Phase 2 (project implementation) funding

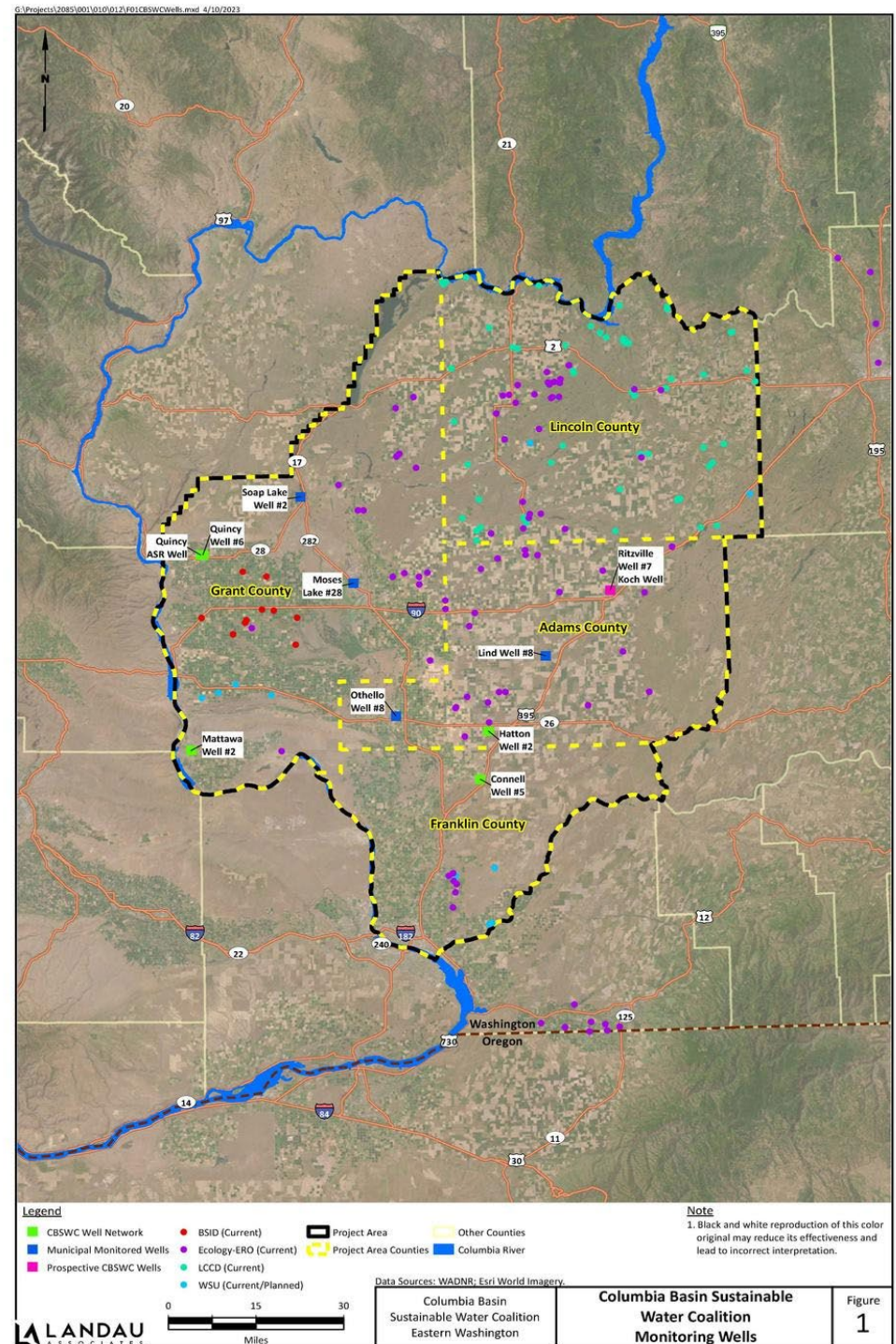


Meeting with NRCS Chief Cosby and Regional Conservationist Astor Boozer

Columbia Basin Development League DC Fly-In | May 2024

Help Inform Decision Making

- Continue monitoring and collaboration with partners
- Develop the Columbia Basin Groundwater Cooperative Interactive Web Application
 - Include GWMA data from 1998-2014 and new well monitoring data
 - With funding from:
 - USBR - \$98,324
 - OCR - \$56,000



Help Improve Water Management & Policy

CBSWC is helping lead an effort to request legislative action to form an Aquifer Storage and Recovery Technical Work Group

- Study current technical and regulatory conditions for ASR in Washington
- Provide recommendations for future legislation to help reduce barriers



City of Othello ASR pilot project (2020)



Pursue Additional Planning Where Needed



- Selected to receive “Drought Planning and Preparedness” funding through Ecology for FLAG counties plan
- Possibly pursue or support more formal integrated planning effort



Questions?

Kristina Ribellia

kristina-ribellia@columbiabasincd.org

visit us at www.cbswc.org