

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



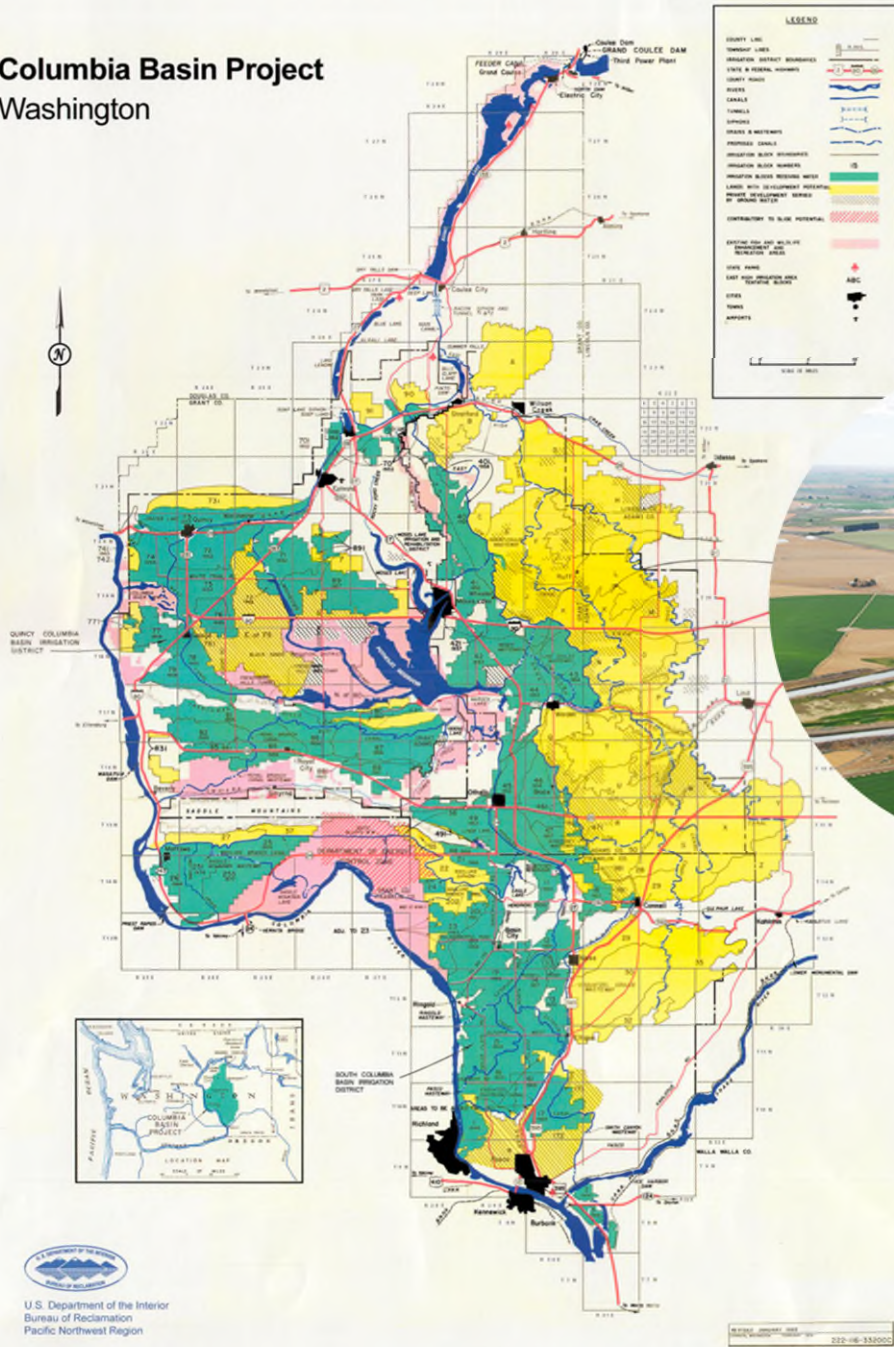
**Claire Miller**

Program Manager, Small Communities Initiative

Washington State Department of Commerce

Columbia Basin Sustainable Water Coalition Facilitator

## Columbia Basin Project Washington



# Background





# The Challenge

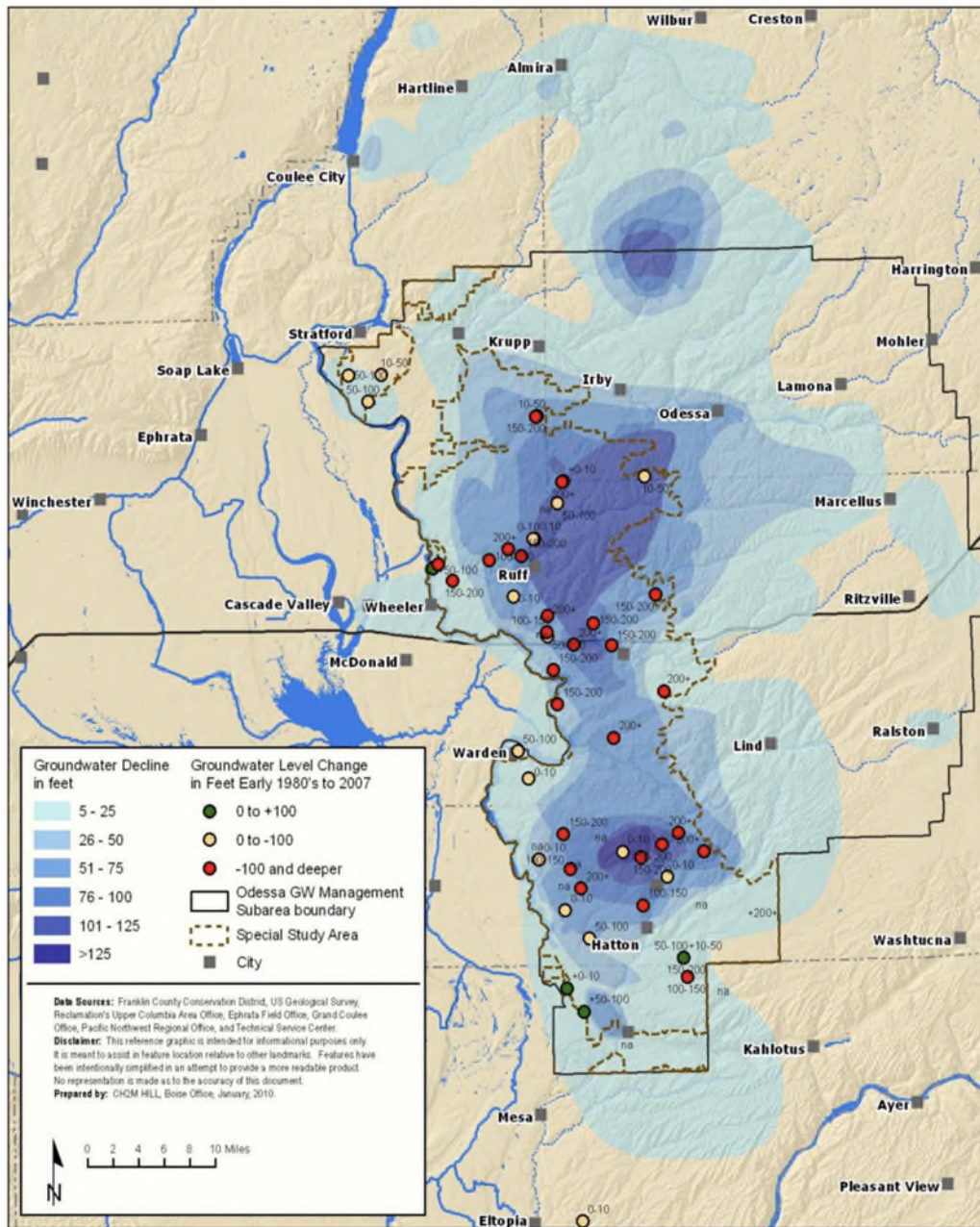



Figure 3. Groundwater level decline in aquifers of the Odessa Subarea, 1981 to 2007.



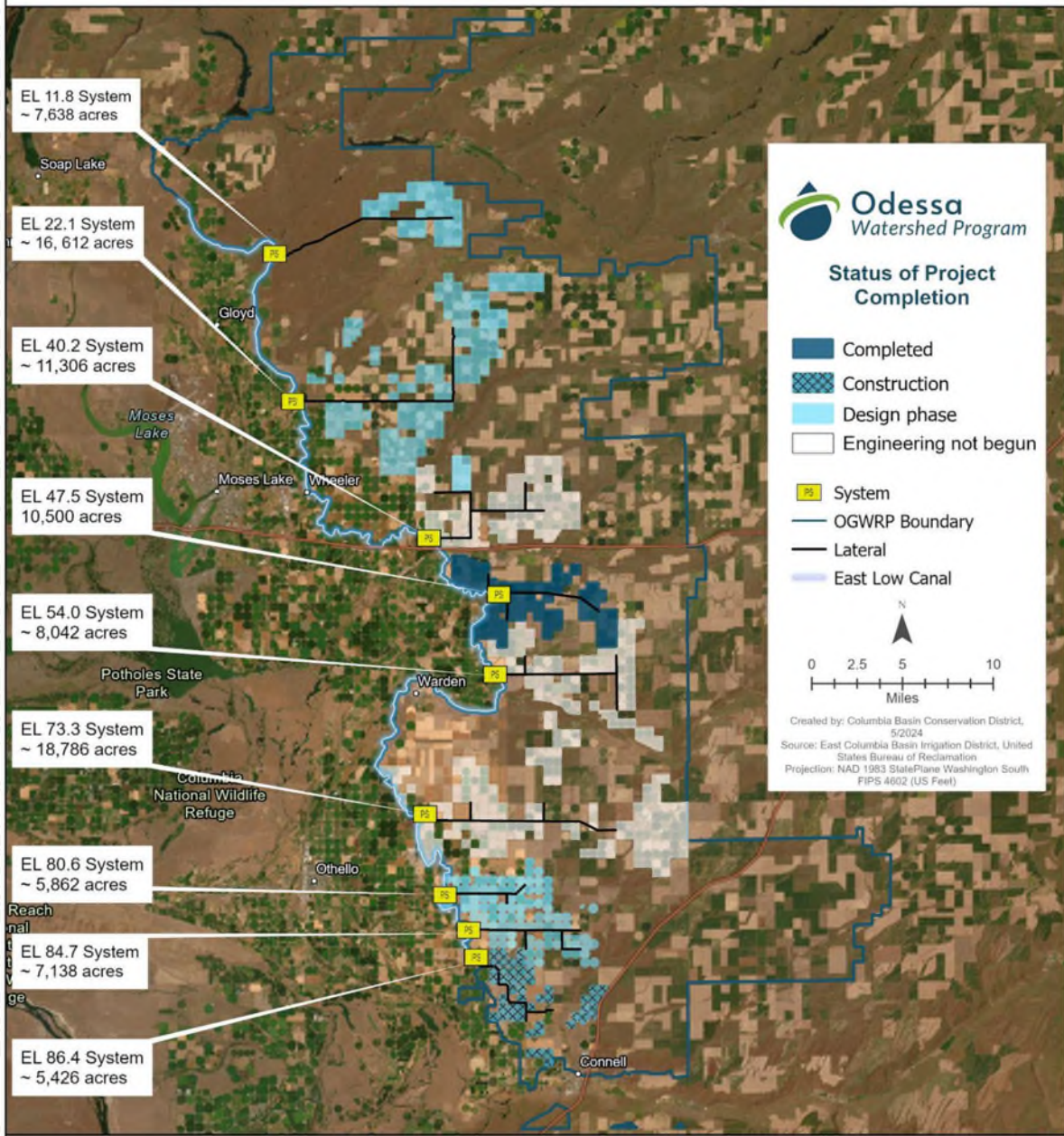
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# Municipal Impacts

- 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)



**Odessa Watershed Program**

**Status of Project Completion**

- Completed
- Construction
- Design phase
- Engineering not begun

System  
OGWRP Boundary  
Lateral  
East Low Canal

0 2.5 5 10 Miles

Created by: Columbia Basin Conservation District, 5/2024  
Source: East Columbia Basin Irrigation District, United States Bureau of Reclamation  
Projection: NAD 1983 StatePlane Washington South FIPS 4602 (US Feet)

# 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

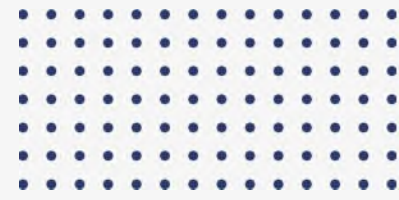
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# In the Meantime

- 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

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## 2017-2022

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

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## 2022-2023

WaterSmart funding through USBR for organizational development and watershed planning

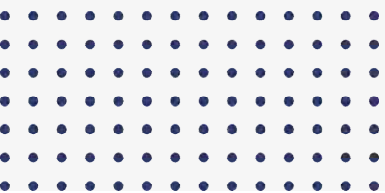
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## 2023-Present

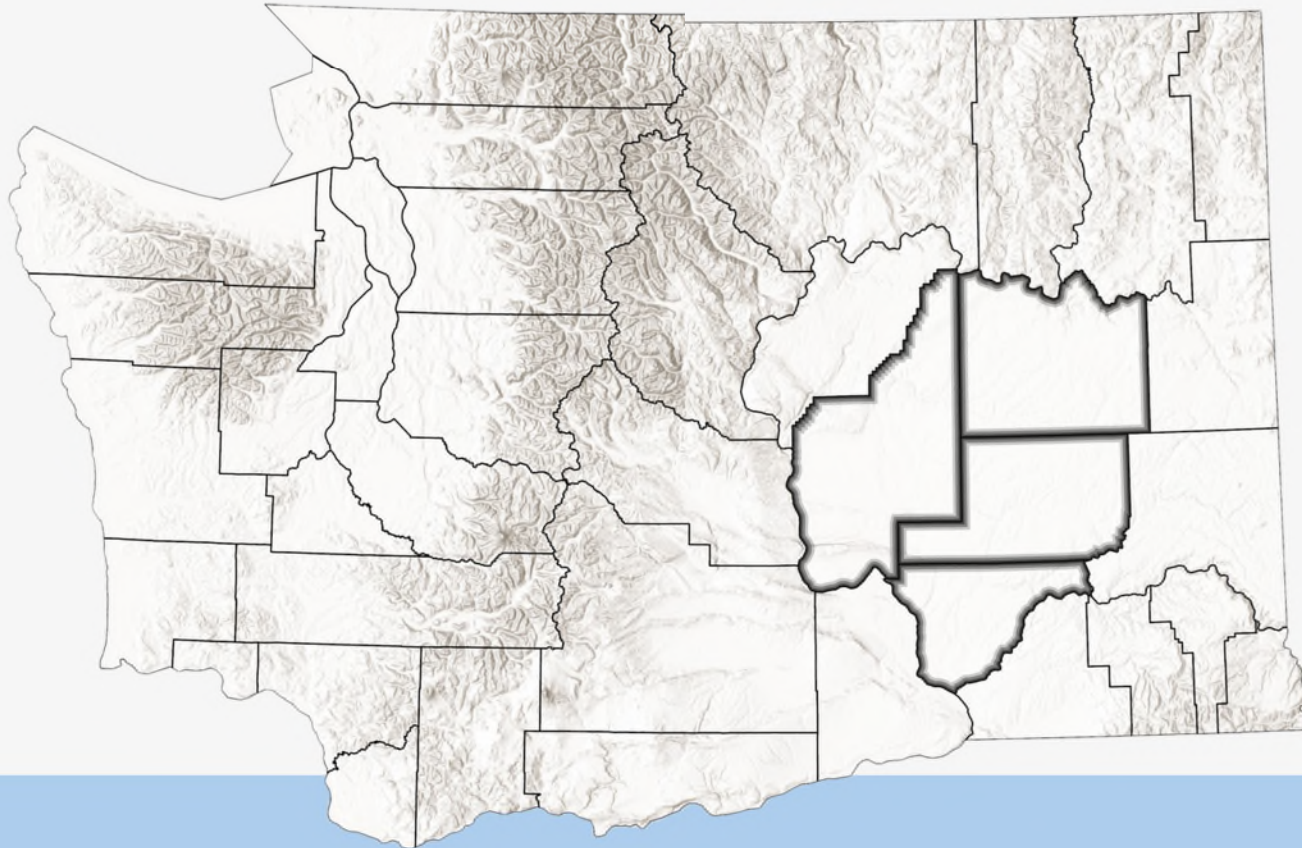
Admin support from Commerce and Conservation Districts

- 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](http://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 Water Quality

**WATER SOURCES**

**WELL 7 (FAILED)**  
 Former Output: 1050 GPM  
 Depth: 100'

**WELL 8 (DECLINING)**  
 Former Output: 1500 GPM  
 Current Output: 750 GPM  
 Depth: 203'

**FAST FACTS**

Service Population: ~600 residents  
 Median Income: LMI Qualified  
 Additional Rates:  
 Growth Rate: ~8% per year  
 Main Industries: Retail, agriculture, and Education.

**CONTACTS**

Paula Bell  
 Mayor, Town of Lind  
 paulabell@lindidaho.com

Joseph Pessutti  
 Water Distribution Manager  
 jessutti@lindidaho.com

**Town Hall**  
 1812 W 2nd PO Box F  
 Lind, WA 99141  
 509-677-5241

**CITY OF DAVENPORT WATER PURVEYOR PROFILE**

**MAJOR ISSUES**

- Lack of Water Storage Facilities
- Insufficient 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: 103'

**WELL 507**  
 Current Output: 500 GPM  
 Depth: 950'  
 Static Level: 263'

**FAST FACTS**

Service Population: 1,363 residents  
 Median Income: \$65,000  
 Additional Rates:  
 Growth Rate: 1% per year  
 Main Industries: Education, Healthcare, and Construction

**CONTACTS**

Fred Bell  
 Maintenance Superintendent  
 fredbell@davenportwa.us

**City Hall**  
 411 Oregon St, PO Box 26  
 Davenport, WA 99122  
 509-221-0269

**Website**  
 davenportwa.us

**WESTMONT ACRES WATER PURVEYOR PROFILE**

**MAJOR ISSUES**

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

**WATER SOURCES**

**PRIMARY WELL**  
 Year Built: 1974  
 Current Output: 100 GPM  
 Depth: 480'

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

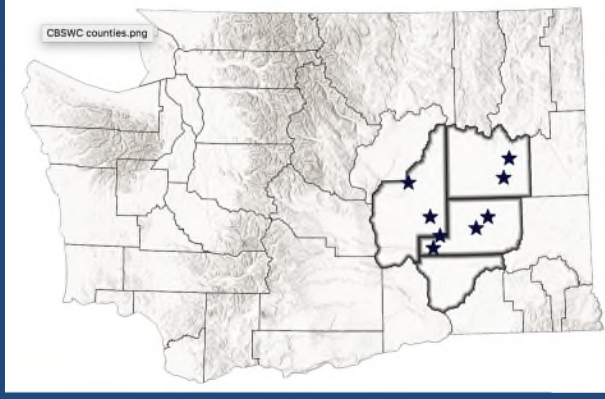
**FAST FACTS**

Service Population: 222 residents  
 Median Income: Unknown  
 Water Rate: \$559 per month  
 Address: 247-2307

**CITY OF RITZVILLE WATER PURVEYOR PROFILE**

**FAST FACTS**

Service Population: 437 residents  
 Median Income: \$34,095  
 Growth Rate: 11% per year  
 Main Industries: Agriculture and Wholesale Trade



[cbswc.org/purveyors](http://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

- November 21<sup>st</sup> – Aquifer Storage and Recovery Challenges and Opportunities
- January 16 – Water Banking
- March 20 – Springtime Purveyor Roundtable



# PRELIMINARY WATERSHED MANAGEMENT PLAN

Mid-Columbia Basin, Washington

December 21, 2023

Prepared for

Columbia Basin Sustainable Water Coalition  
Mid-Columbia Basin, Washington

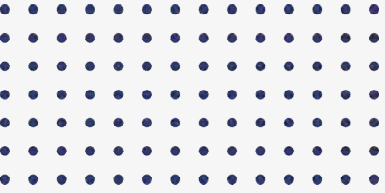


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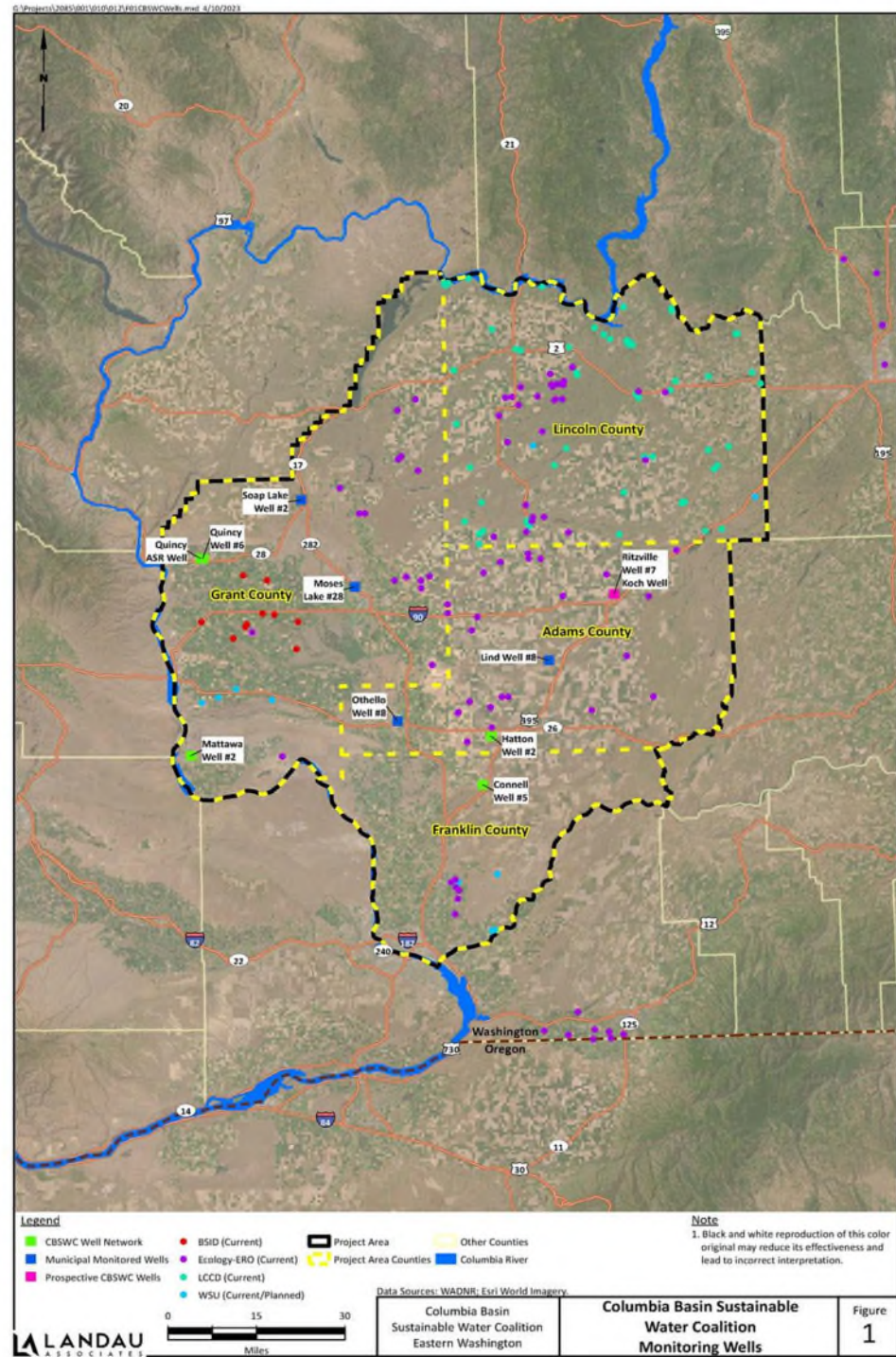
The preliminary watershed management plan provides:

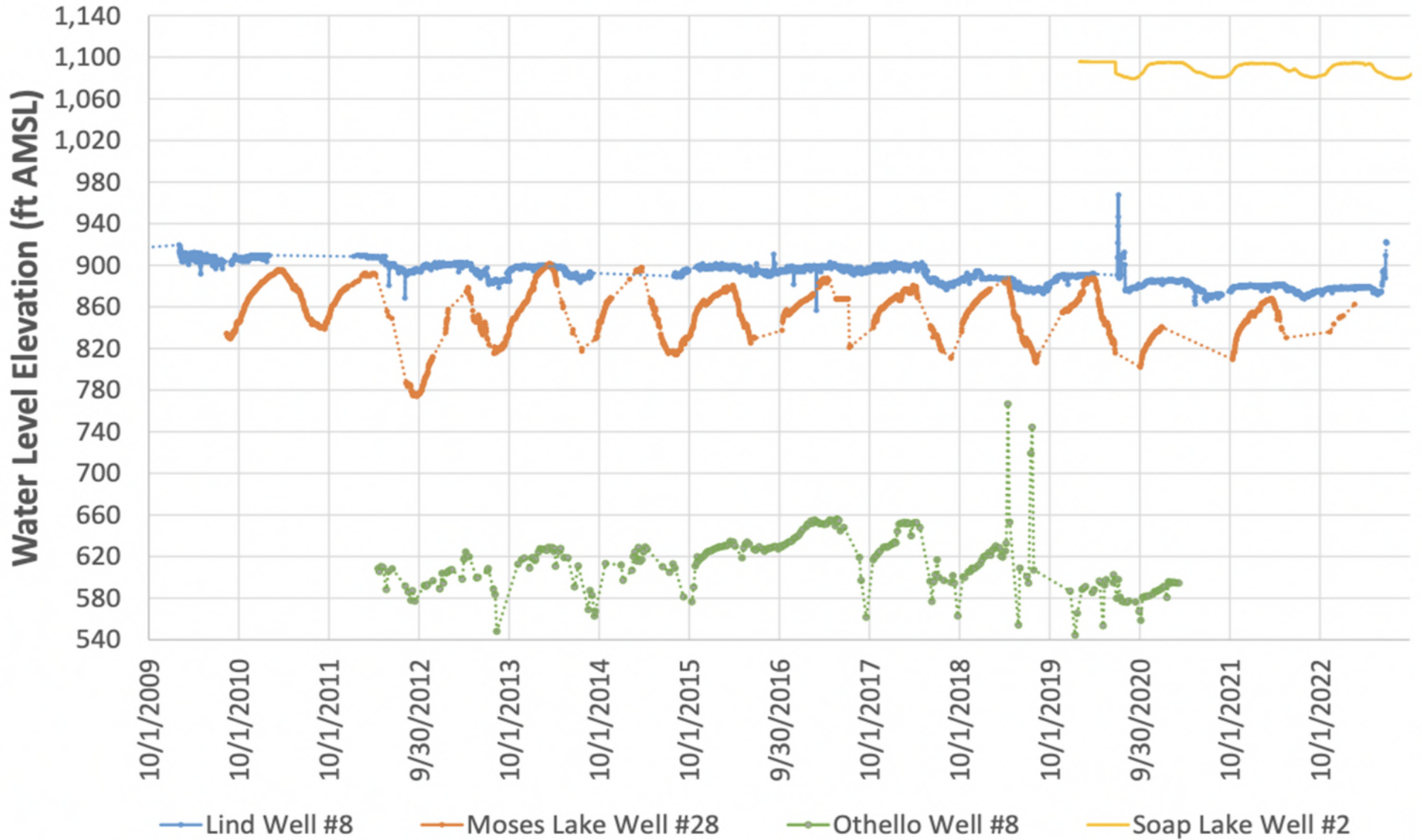
- Initial assessment of the groundwater supply challenges faced by CBSWC municipalities and other water purveyor members
- Recommendations regarding water resource management projects, tools, and planning alternatives





# Well Monitoring Network

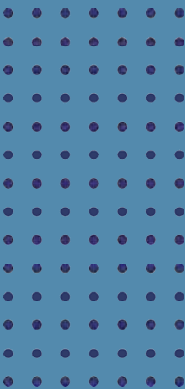




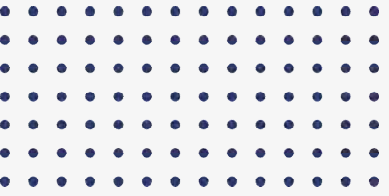
Note: Graph excludes water level elevations recorded while respective pumps are on (Lind Well #8, Moses Lake Well #28, and Othello Well #8. The Soap Lake Well #2 does not have a pump installed).



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





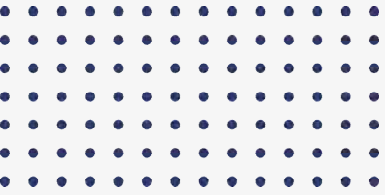


# Evaluated Alternatives

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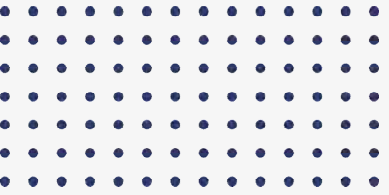
Developed and  
utilized a scoring  
criteria and ranking





# 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)

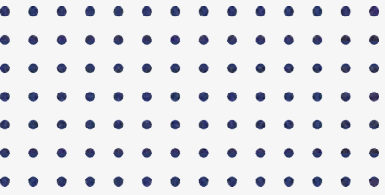


# Preferred Water Resource Management Tool Alternatives

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1. Groundwater Level Monitoring
2. Numerical Groundwater Modeling





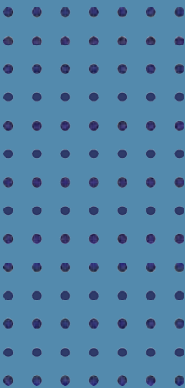
# Preferred Water Resource Planning Alternatives

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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

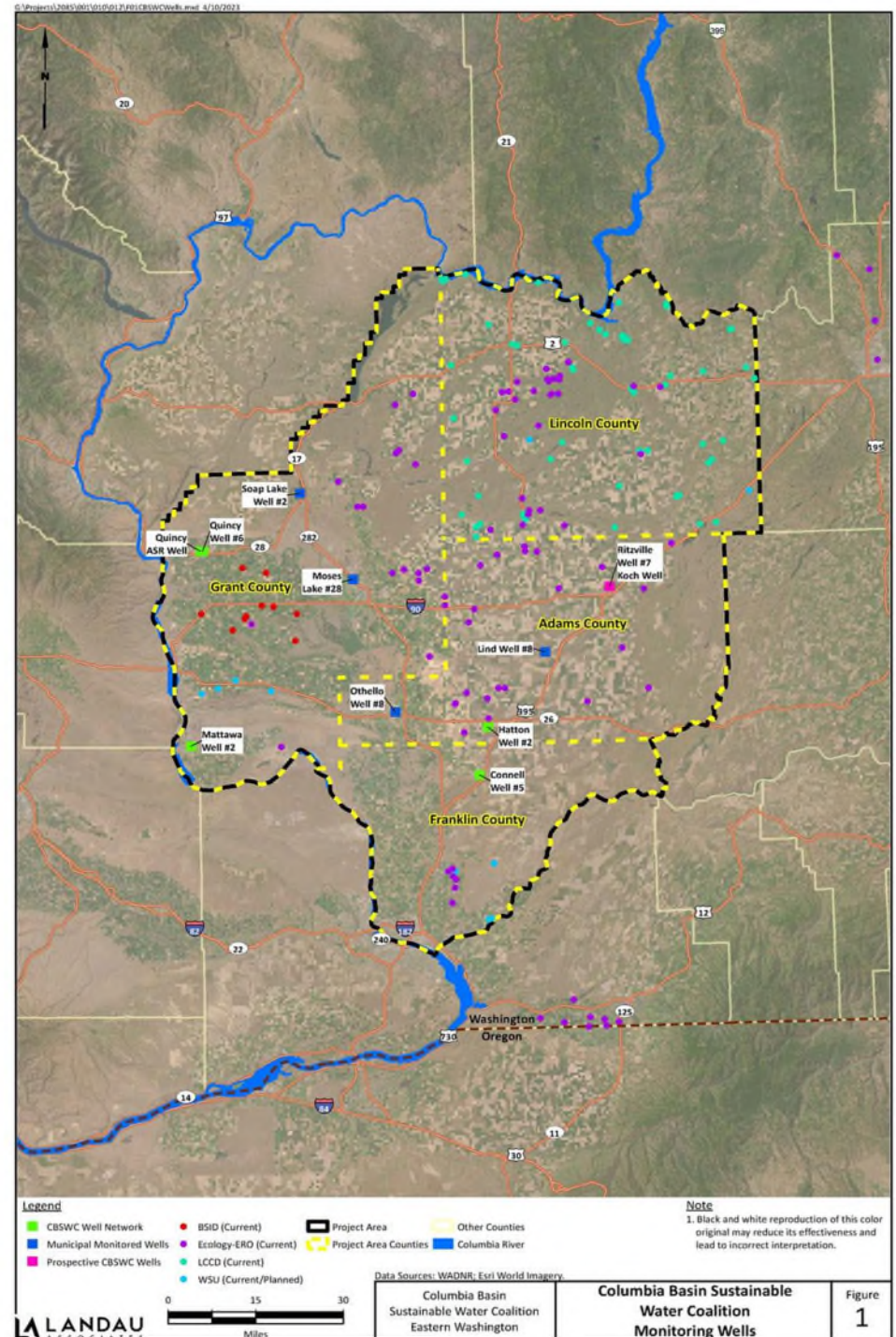


Figure 1

# 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?

**Claire Miller**

Claire.miller@commerce.wa.gov

**visit us at [www.cbswc.org](http://www.cbswc.org)**