

columbia basin sustainable water coalition



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

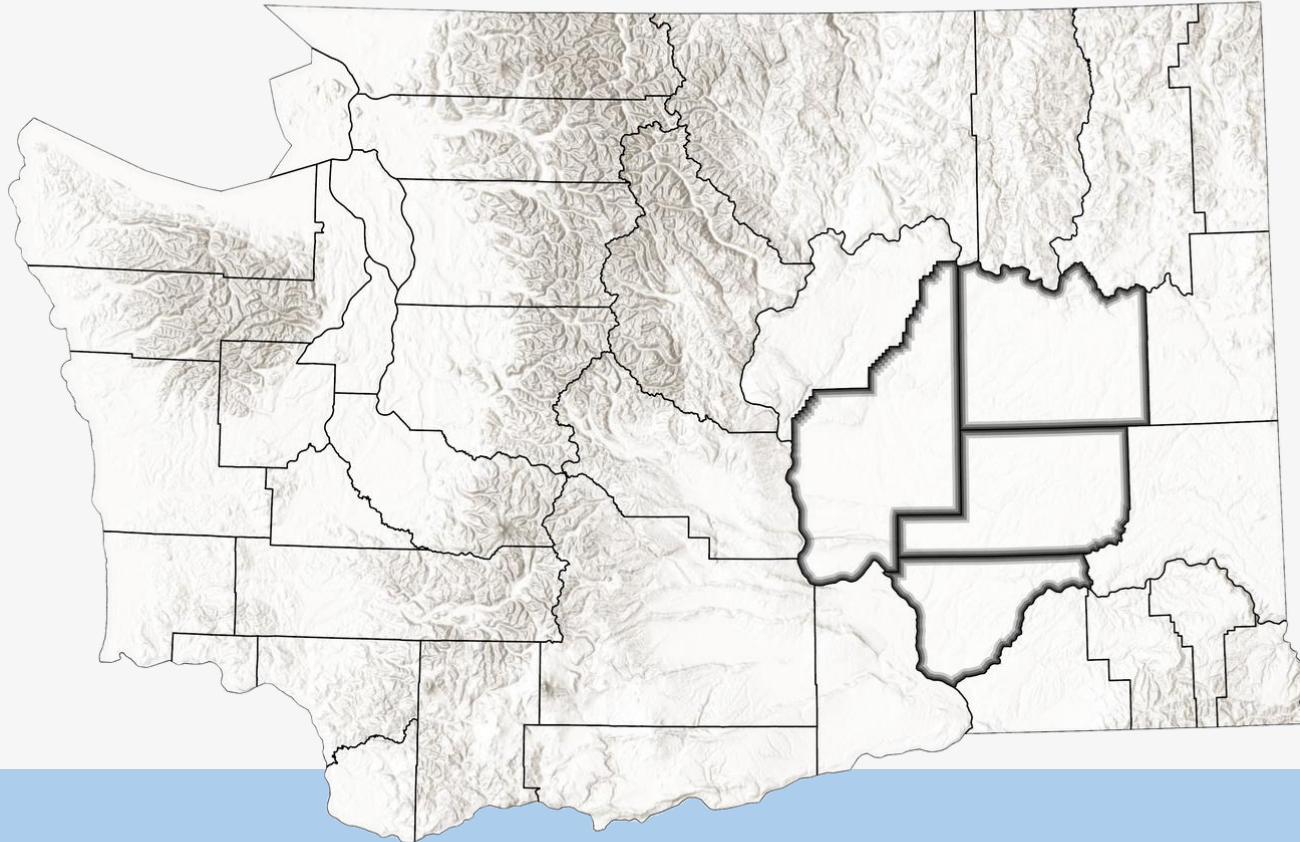


Richard Law, PE

City Engineer, City of Moses Lake

Board Member, Columbia Basin Sustainable Water Coalition

October 23, 2025 | Columbia River PAG



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



Who We Are

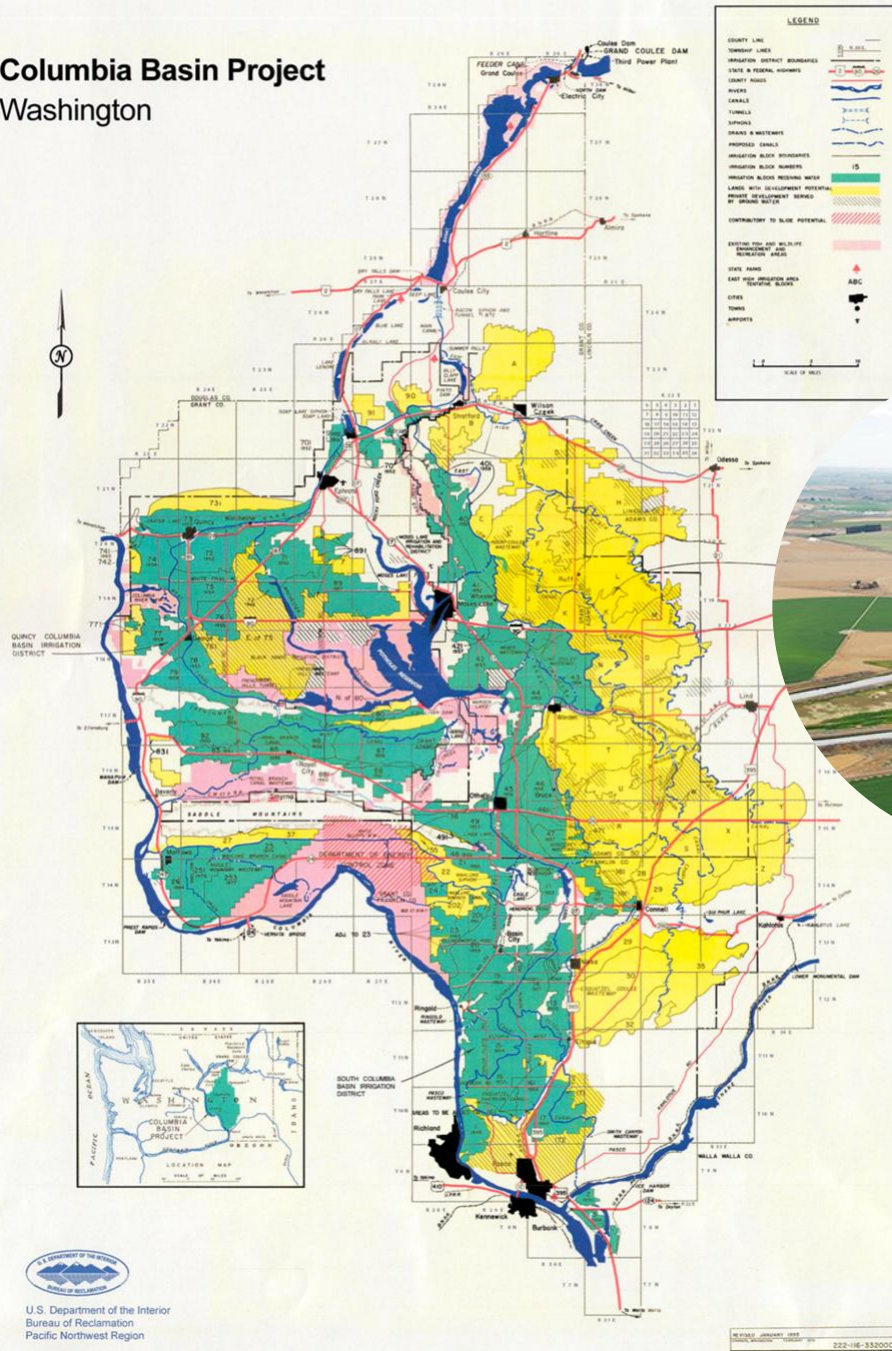
CBSWC is a non-profit entity formed by municipalities and other drinking water purveyors within the FLAG (Franklin, Lincoln, Adams, Grant) Counties

Members are anyone residing in Washington or any entity operating in the FLAG counties with interest in Group A and B water systems

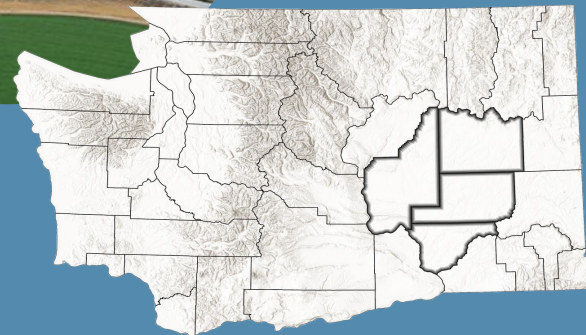
Associate Members are any state or federal elected official, agency, department or staff person representing such

Board of Directors include members from Conservation Districts, Water Purveyors, County Commissioners and at-large positions

Columbia Basin Project Washington



Background



The Challenge

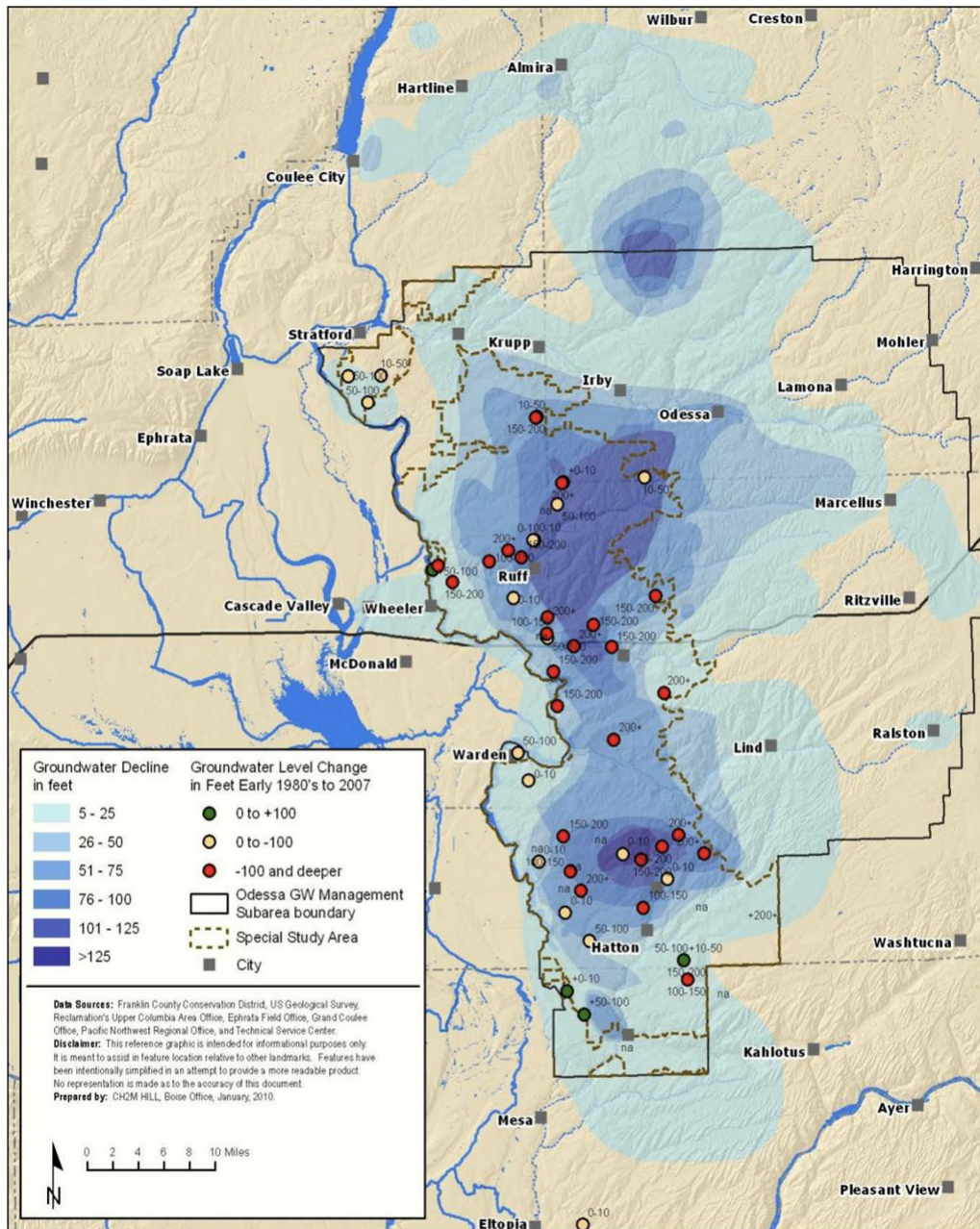


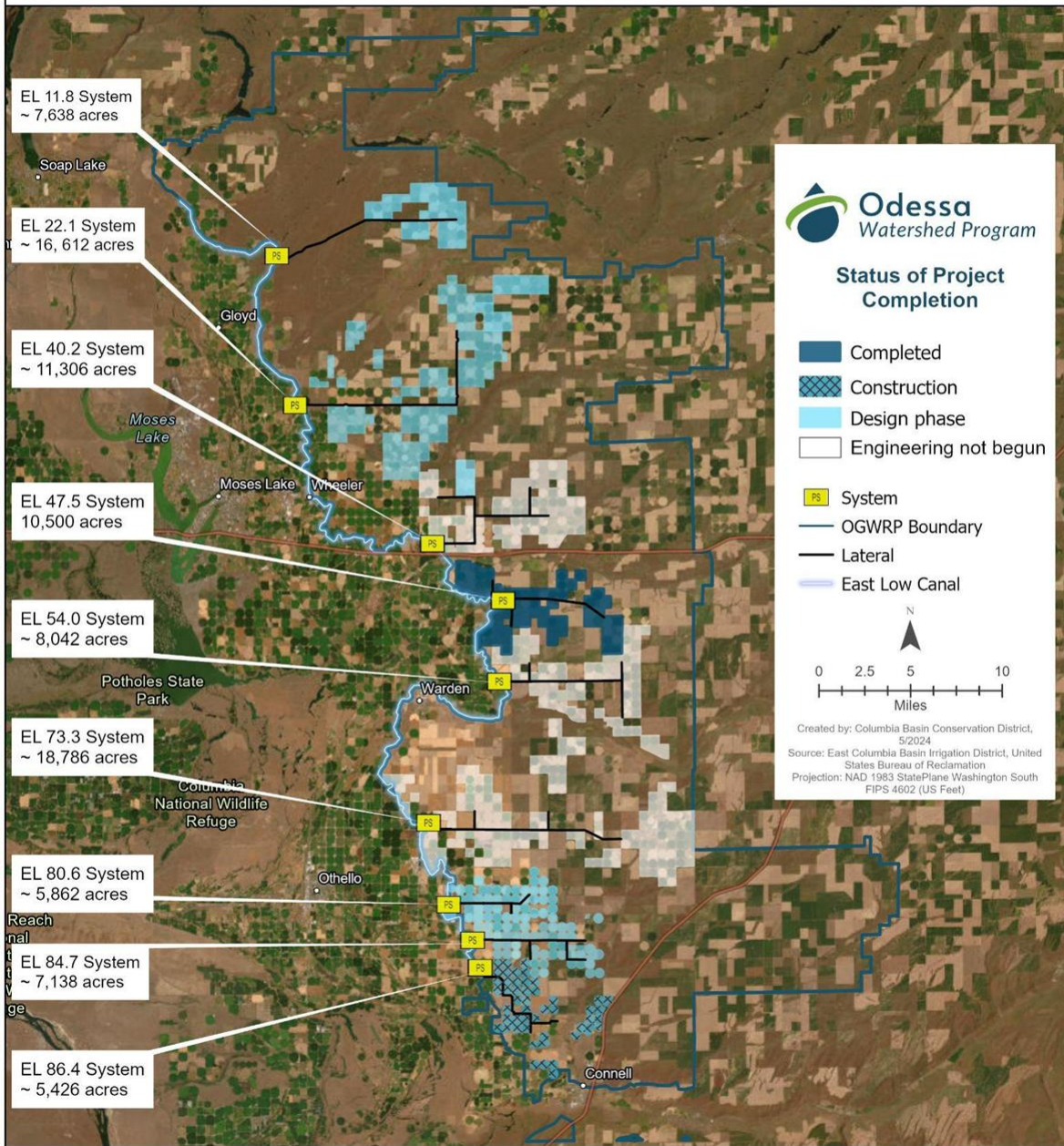
Figure 3. Groundwater level decline in aquifers of the Odessa Subarea, 1981 to 2007.



Municipal Impacts

- 22 communities
 - ~ 60,000 residents
 - ~ Municipal public water systems are currently impacted or are concerned about their ability to meet demands in the next 10 to 15 years
 - 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 16,612 acres
- Conserve ~50,000 AF or 16 billion gallons annually
- Enough to serve ~88,000 homes (249,000 people)

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

Outreach

New Website

www.cbswc.org



RECENT NEWS



SAVE YOUR WATER!
We Need Your Help



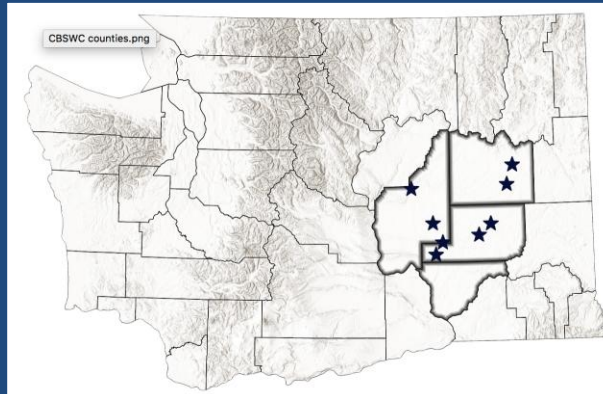
Join us!

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



cbswc.org/purveyors

TOWN OF LIND WATER PURVEYOR PROFILE

MAJOR ISSUES

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

IMMEDIATE NEEDS

- Funding for new well construction (Est. \$1.2M)
- Funding for Well 8, including investigation and rehabilitation (Est. \$2.5M)
- Funding for Well 9, including investigation and rehabilitation (Est. \$2.5M)

WATER SOURCES

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

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

FAST FACTS

Service Population: ~600 residents
Median Income: LMI Qualified
Water Rates: \$66.00/month per 10,500 G
Additional Rates: 1¢/gallon
Growth Rates: ~10-15%
Main Industries: Residential, Agriculture, and Education

CONTACTS

Paula Bell
Mayor, Town of Lind
mayor@lindwa.gov

Joseph Pesutti
Town of Lind
jpesutti@lindwa.gov

Town Hall
116 1/2 W 3rd St PO Box F
Lind, WA 99441
509-827-3241

CITY OF DAVENPORT WATER PURVEYOR PROFILE

MAJOR ISSUES

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

IMMEDIATE NEEDS

- Renewal: one existing reservoir is over 100 years old (DGR) and it would be better to have 100,000 gallon reservoir
- Upgrade: one existing reservoir is over 100 years old (DGR) and it would be better to have 100,000 gallon reservoir
- Expansion: one existing reservoir is over 100 years old (DGR) and it would be better to have 100,000 gallon reservoir

WATER SOURCES

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

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

FAST FACTS

Service Population: 1,745 residents
Median Income: \$65,000
Water Rates: \$3.70 per 1,000 ft
Additional Rates: Overage fees for usage when applicable
Growth Rates: 1% per year
Main Industries: Education, Healthcare, and Construction

CONTACTS

Fred Bell
Maintenance Superintendent
fredbell@davenportwa.gov

City Hall
411 Main St / PO Box 26
Davenport, WA 99122
509-241-0069

Website
davenportwa.gov

WESTMONT ACRES WATER PURVEYOR PROFILE

MAJOR ISSUES

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

IMMEDIATE NEEDS

- Secondary well replace current Basin long-term development
- Concrete Storage Tank replacement due to leaks
- Finding a new water testing lab

WATER SOURCES

PRIMARY WELL
Year Built: 1978
Current Output: 90 GPM
Depth: 480'

BACKUP WELL
Year Built: 1992
Current Output: 22 GPM
Depth: 480'

FAST FACTS

Service Population: 222 residents
Median Income: Unknown
Water Rates: \$159 per quarter
Additional Rates: Overage
Growth Rates: 0%

CITY OF RITZVILLE WATER PURVEYOR PROFILE

MAJOR ISSUES

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

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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

PRELIMINARY WATERSHED MANAGEMENT PLAN

Mid-Columbia Basin, Washington

December 21, 2023

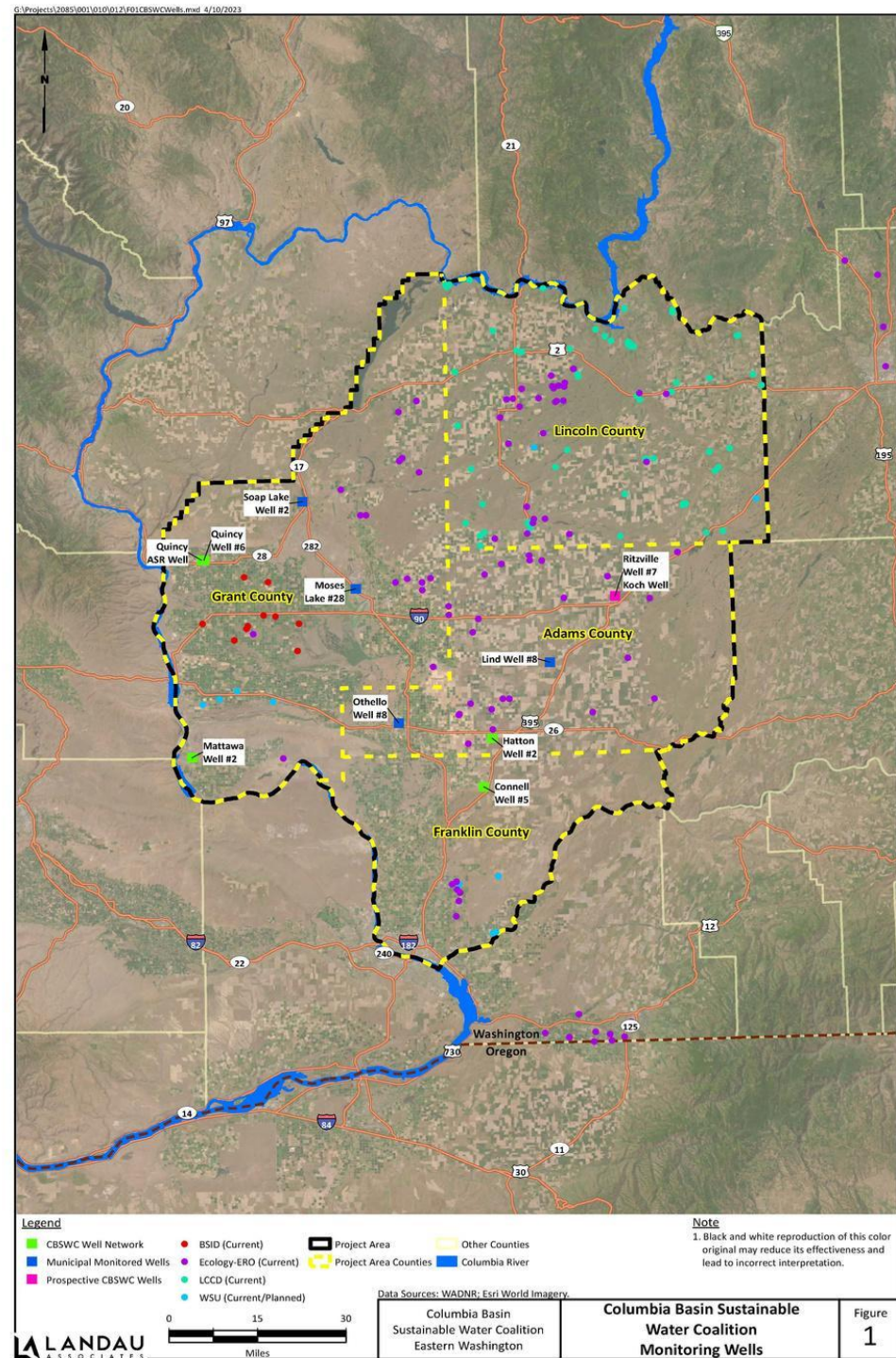
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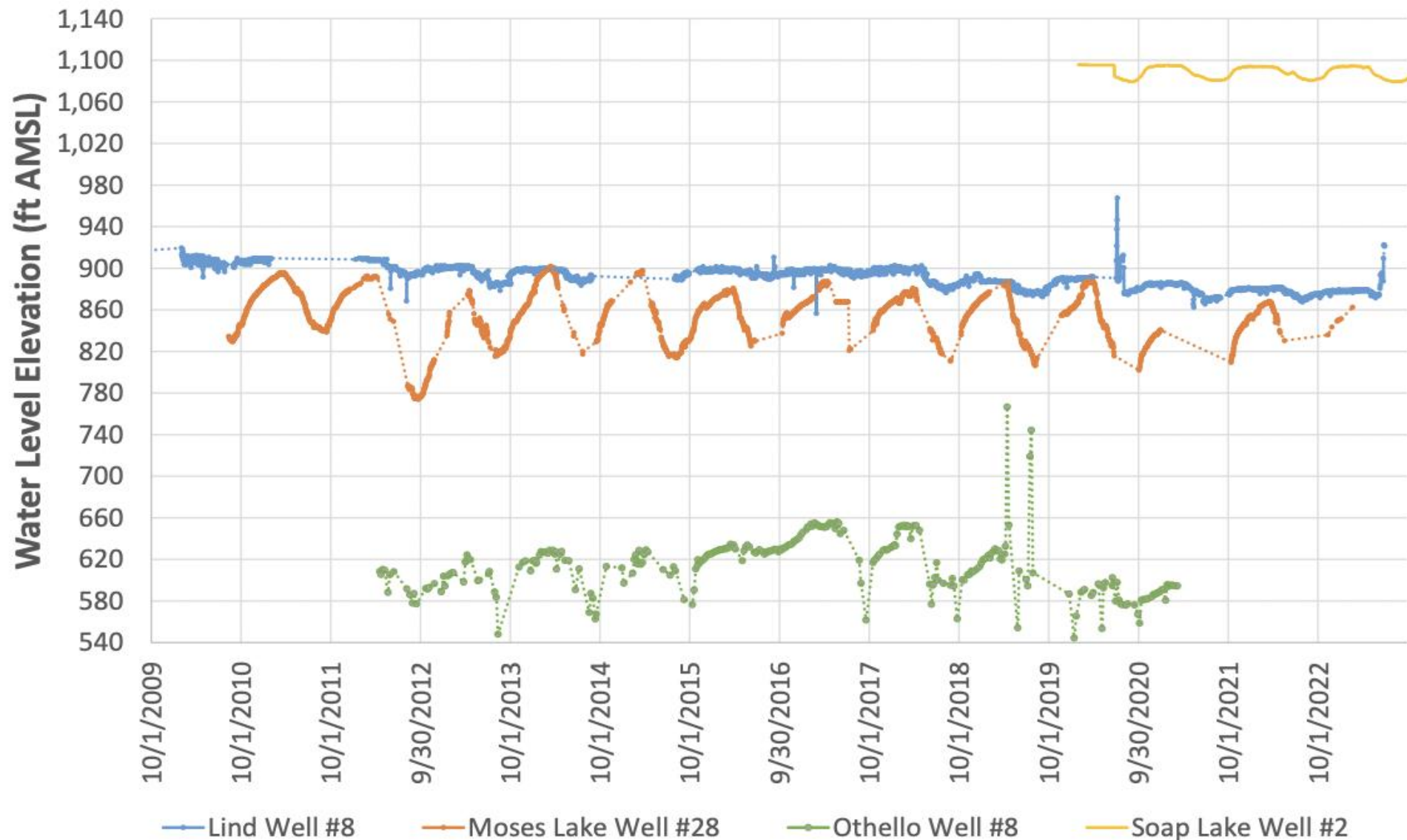
Columbia Basin Sustainable Water Coalition
Mid-Columbia Basin, Washington

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).

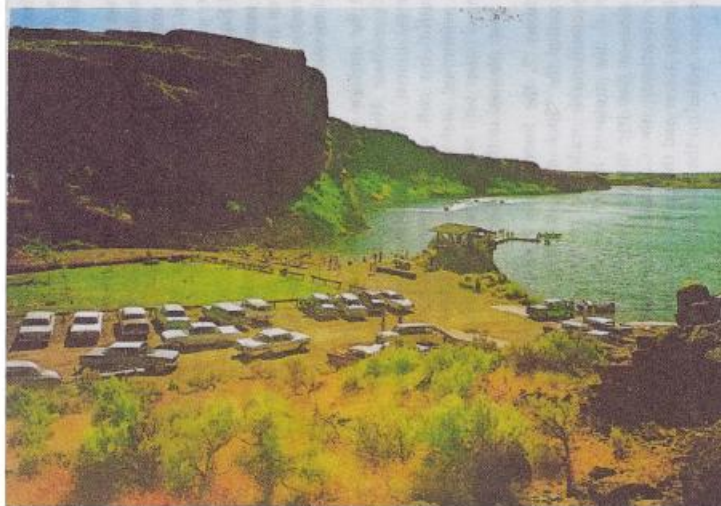


Long-term
declining trends of
1-5 ft per year in
the deep aquifer
(in some cases more)



Allington Bay on Pacific Lake

**ALLINGTON BAY ON PACIFIC LAKE
CIRCA 1960**



Allington Bay looking southwest, from a postcard created in the 1960's after the boat landing was completed in 1962.

DYNAMIC ODESSA DEVELOPS LAKE

By Kenneth Anderson
Residential-Rural Salesman

First, take one pot-hole lake, add to this an idea, then stir with a dynamic community, and the result can be amazing. The pot-hole is Pacific lake. The idea, a water recreation area. The community, Odessa, Washington.

Pacific lake is located in southwestern Lincoln county about six miles north of Odessa. At best it has provided reasonably good fishing, providing one had a pickup or jeep to travel the rough, winding scab-rock trails leading to its shore.

In Pacific a group of civic-minded people saw more than just a pot-hole lake surrounded by rock and sage brush. They envisioned a com-

(Continued on Page 13)



An active civic club with the help of townspeople, farmers and a benevolent landowner developed this attractive lakeside recreational area.

Black and white photo looking northwest at Allington Bay with part of the article from Reddy Kilowatt's Farm News, No. 2, 1963.



Boat launch perspective, taken in 2018 (cr. Jeff Schibel)



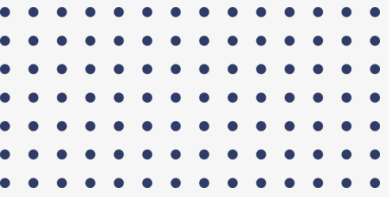
View from the boat launch in 2022



Gazebo from across the lake, 2018 (cr. Jeff Schibel)



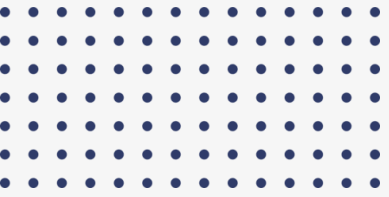
Gazebo from behind the boat launch, 2022



Evaluated Alternatives

Developed and
utilized a scoring
criteria and ranking





Preferred Project Alternatives

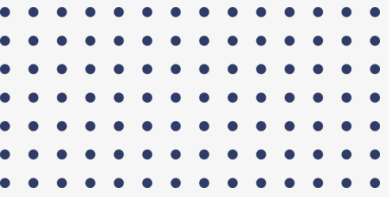
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1. Odessa Groundwater Replacement Program -CRW
 2. New Source Treatment and Regional Distribution -CRW
 3. Water Conservation
 4. Columbia Basin Project Completion -CRW
 5. Aquifer Recharge by Deep Well Injection -CRW
 6. Aquifer Recharge by Passive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

-CRW = Columbia River Water



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

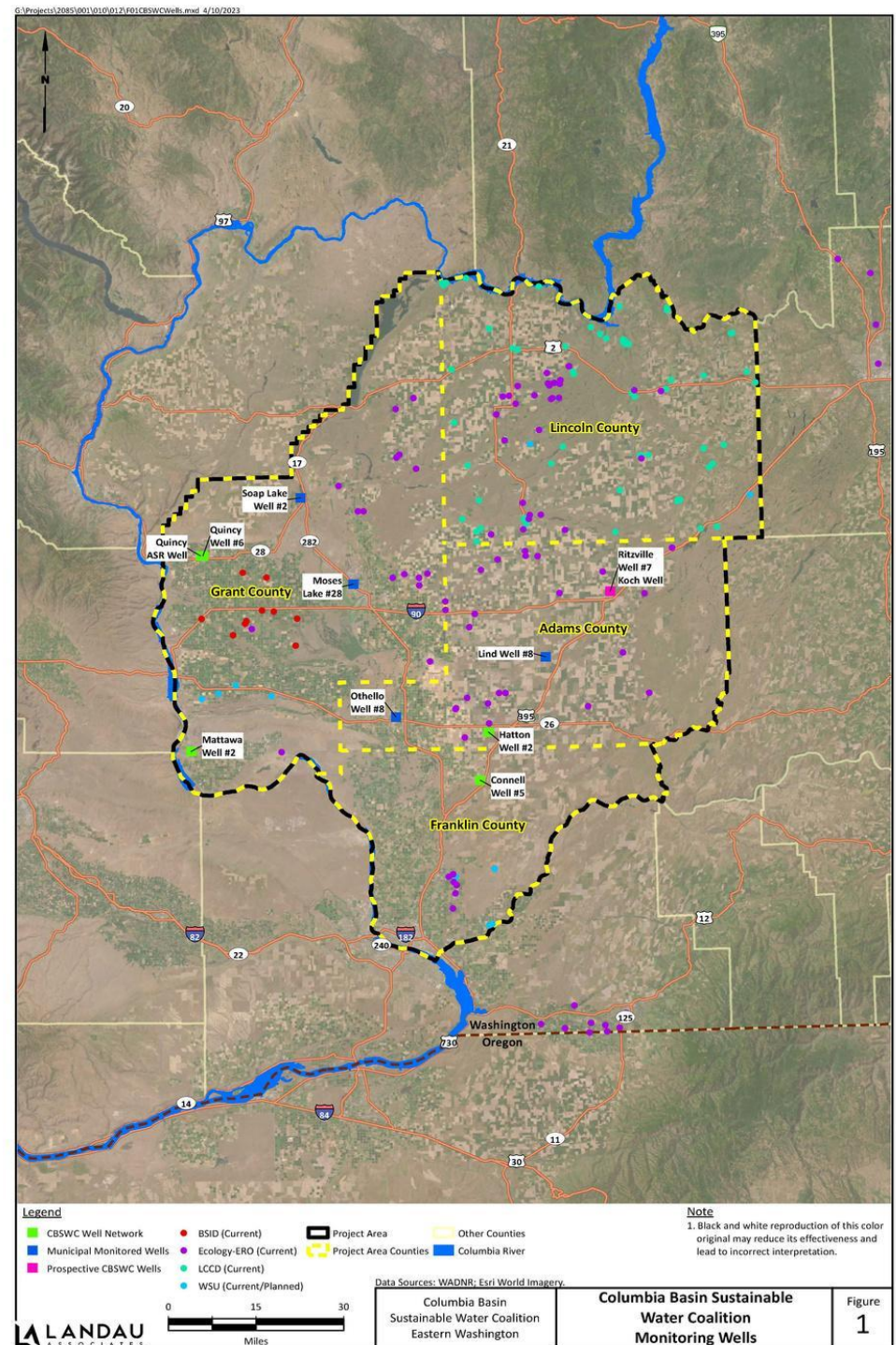


Meeting with NRCS Chief Cosby and Regional Conservationist Astor Boozer

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?

Richard Law

rlaw@cityofml.com

visit us at www.cbswc.org