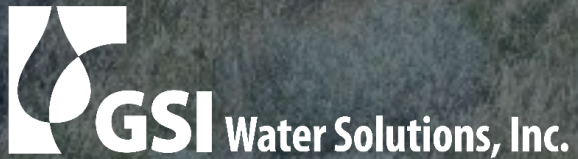


Morrow County Water Coordinator

Board of County Commissioners
Meeting

October 18, 2023



Purpose

- Provide the Morrow County Board of Commissioners updates on:
 - Briefing papers on County water issues
 - Next steps for Water Coordinator work

Morrow County Goals



Objectives for Water Coordinator

- Help define County policies and actions to help address the regional water issues and achieve the County's water-related goals

Briefing Papers

Purpose:

- **Baseline history** for communication and education purposes
- **Context for recommendations** on water strategy and policies.
- **Content for outreach** materials for use by County

Topics:

1. Water Quantity
2. Water Quality
3. Domestic Well Users
4. Projects/Activities by Groups

Briefing Papers

General Structure:

- Introduction
- Key Takeaways
- Resource Overview
- Key Issues/Impacts
- Opportunities for County

Process:

- Water Advisory Committee (WAC) review and input
- 3 rounds of revisions with comments incorporated
- Posting to County “Water Website”

Project Team and WAC – Diverse perspectives and expertise

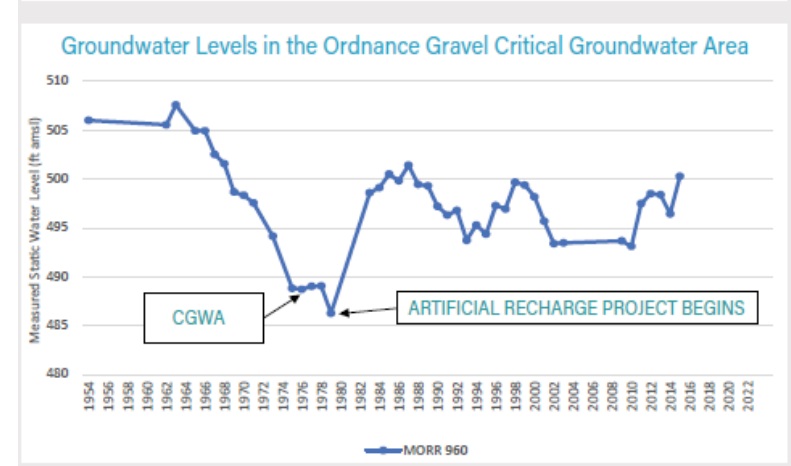
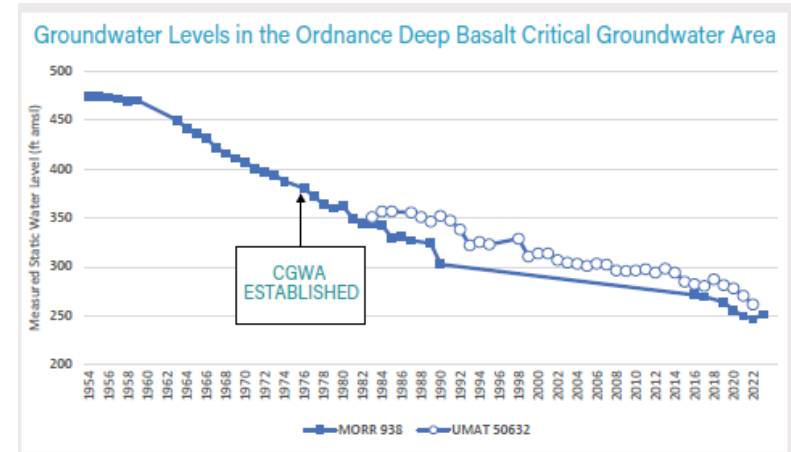
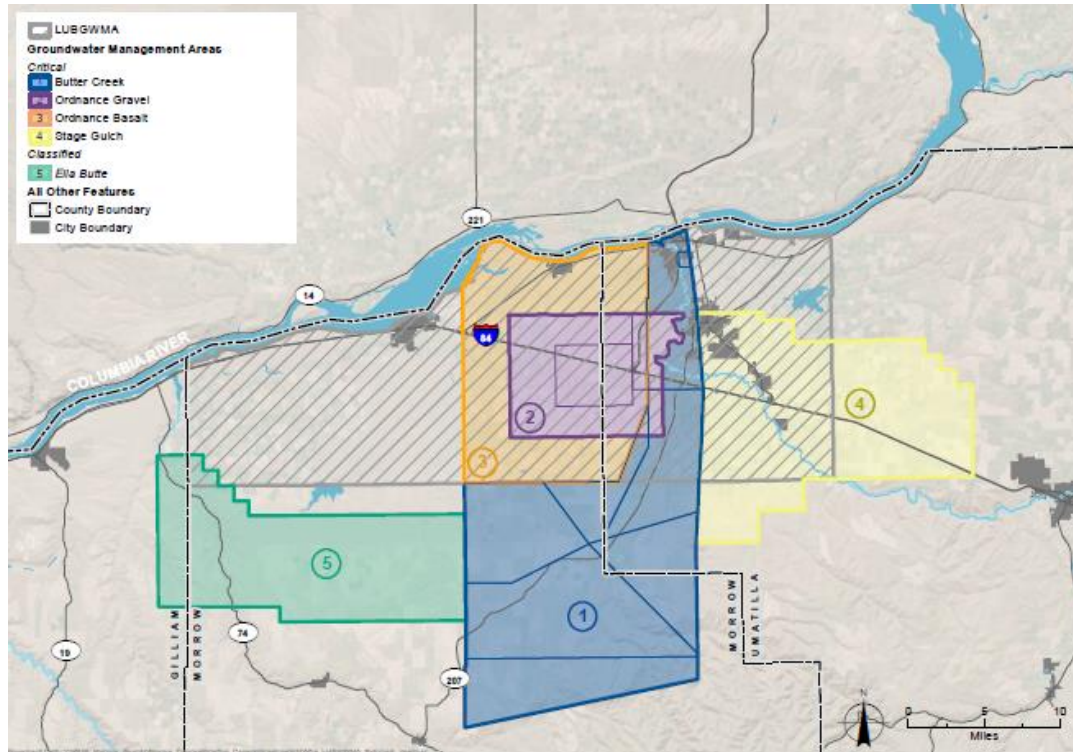
- **Morrow County staff**
 - Tamra Mabbott, Planning Department
 - Robin Canady, Public Health Department
- **Consultant team**
 - GSI Water Solutions
- **Water Coordinating Committee**
 - See list

| Policy Area or Industry |
|---|
| County Commissioner |
| County Planning Department |
| County Public Health Department |
| Emergency Management (ex officio) |
| Morrow County Soil Water Conservation |
| DEQ |
| OWRD |
| Port of Morrow |
| Municipality |
| Food Processing Industry |
| Irrigated Agriculture |
| Central County Agriculture |
| South County Agriculture |
| Livestock Operator/Owner |
| CAFO Operator/Owner |
| Water Advocacy/Interest Group |
| Northeast Oregon Water Association (NOWA) |
| Rural Residential Resident |

STATE OF THE WATER

Overview of Water Quantity Challenges in Morrow County

October 2023



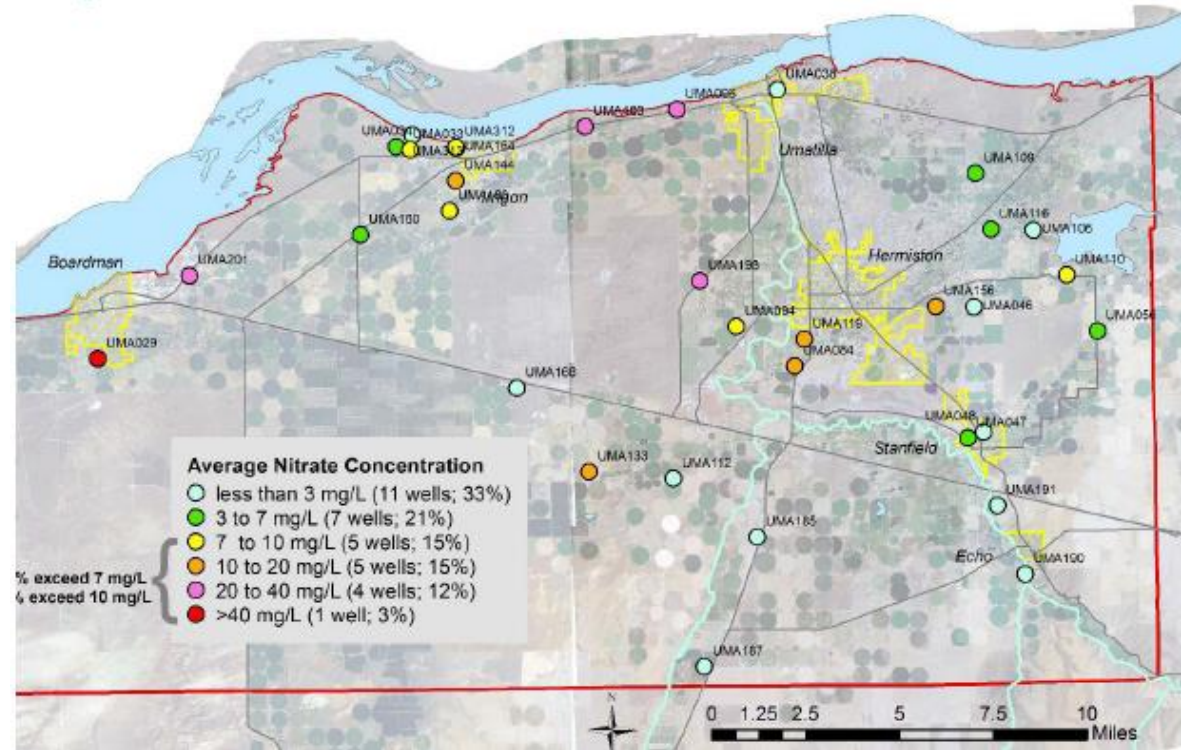
[BriefingPaper_Water_Quantity_FINAL.pdf](#)

STATE OF THE WATER

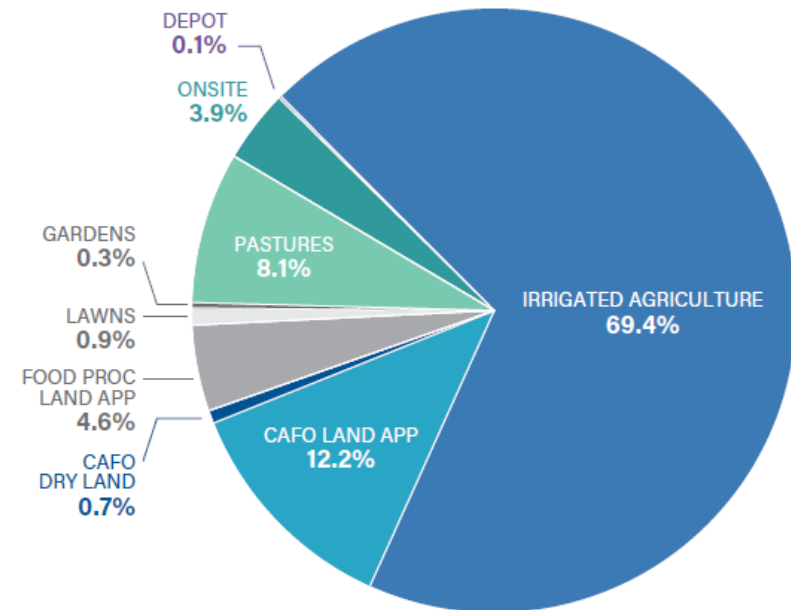
Overview of Water Quality Challenges in Morrow County

October 2023

Average Nitrate Concentrations – LUBGWMA Well Network



Estimation of Nitrogen Leached to Groundwater

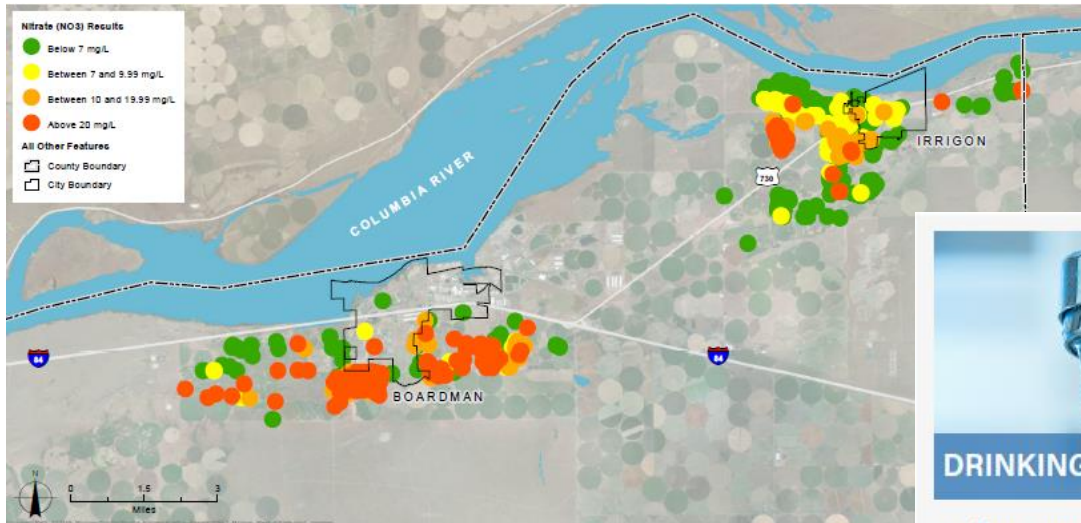


Source: Adapted from LUBGWMA Second Action Plan, 2020

STATE OF THE WATER

Overview of Nitrate Challenges for Domestic Well Users in Morrow County

October 2023



DRINKING WATER SUPPLY

- Emergency deliveries
- Long-term supply*
- Source protection



CHARACTERIZATION

- Testing/monitoring
- Target area evaluation*
- Modeling/monitoring



RESOURCE RESTORATION

- Local Action Plans
- Regulatory coordination
- Remediation/treatment



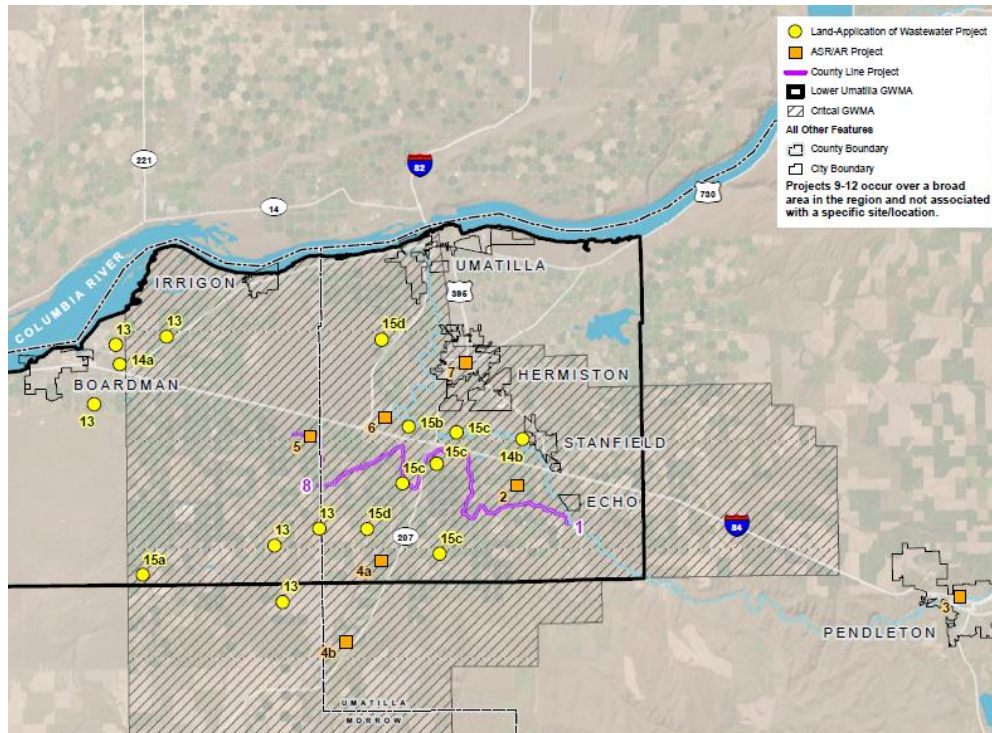
**Involves capital investments (e.g., new wells or water treatment) where federal congressional direct spending and DEQ supplemental environmental project funding may be applied.*

[BriefingPaper_Domestic_Wells_FINAL.pdf](#)

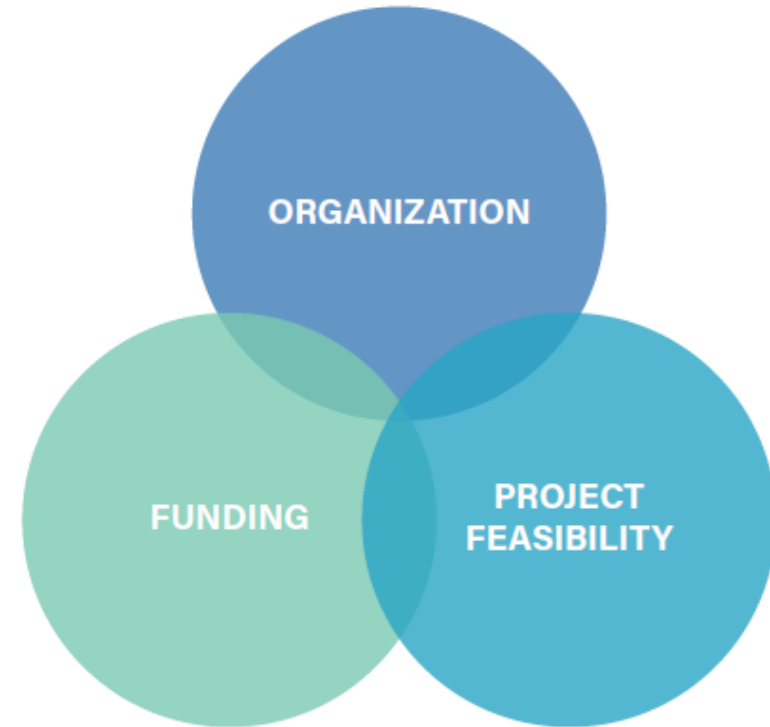
STATE OF THE WATER

Addressing Water Quantity and Quality Challenges in Morrow County

October 2023



LONG-TERM PROJECT SUCCESS



[BriefingPaper_Projects_Solutions_FINAL.pdf](#)

Next Steps

- Incorporate BOC input on briefing papers
- Post briefing papers on Morrow County water website
 - <https://www.co.morrow.or.us/planning/page/water>
- Develop preliminary strategy, policies, actions
- On-going check-ins with WAC and BOC

Thank you!

Tamra Mabbott

Ronan Igloria, PE

