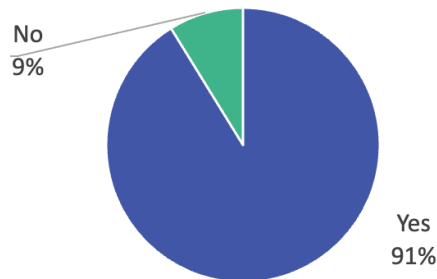


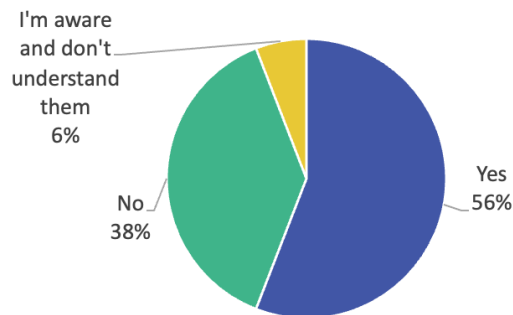


Powder River Basin *E. coli* TMDL Survey
Oregon Department of Agriculture
Spring 2025

Do you have a waterway on your property (river, stream, ditch, etc.)?



Are you aware of the water quality problems related to *E. coli* in the Powder River Basin?



What questions do you have about the watershed and the water quality in the area?

| Response Questions - Common | Count |
|--|-------|
| What is the problem, who's responsible, and who will monitor? | 6 |
| What are acceptable methods for determining water quality? | 5 |
| Where is the <i>E. coli</i> coming from? Is livestock a contributor? | 4 |
| What are improvements and is there funding assistance for fencing and ag improvements? | 3 |
| What are issues for kids in creek, irrigating garden? | 3 |
| What waterways are included in the TMDL? | 2 |
| None | 11 |

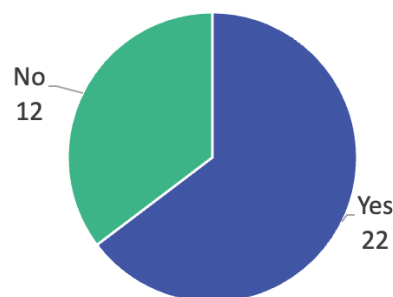
What questions do you have about the Total Maximum Daily Load (TMDL) process?

| Response Questions - Common | Count |
|--|-------|
| What is the problem, who's responsible, and who will monitor? | 6 |
| What are acceptable methods for determining water quality? | 5 |
| Where is the <i>E. coli</i> coming from? What species? | 4 |
| What are improvements and is there funding assistance for fencing and ag improvements? | 3 |
| What are issues for kids in creek, irrigating garden? | 3 |
| What waterways are included in the watershed | 2 |
| Are there other seasonal and environmental factors? | 1 |
| None | 11 |

The community is requesting more water quality monitoring to define the problem. What information do you want the monitoring results to provide?

| Response Questions - Common | Count |
|---|-------|
| Source and locations of the problem, including DNA testing | 22 |
| Where is the problem, how do we correct it, and who will make sure it gets done | 3 |
| Seasonality of the problem | 1 |
| Water temperature and riparian monitoring | 1 |
| Who is "the community requesting" | 1 |
| None | 6 |

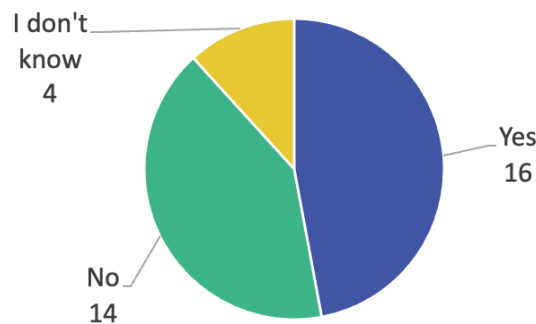
Do you currently use any practices to protect water quality on your farm or ranch?



If yes, what types of practices are you using?

| Response Questions - Common | Count |
|---|-------|
| Livestock management (fencing, grazing controls); | 11 |
| Riparian restoration or protection (planting vegetation along streams, protecting existing vegetation); | 10 |
| Erosion control practices (permanent buffers, cover crops) | 7 |
| Off channel watering (trough, pond, spring development); | 5 |
| switch from flood to sprinkler irrigation; | 1 |
| water only selected areas. no wasting of water; | 1 |
| BMP's where we see the need | 1 |
| None | 8 |

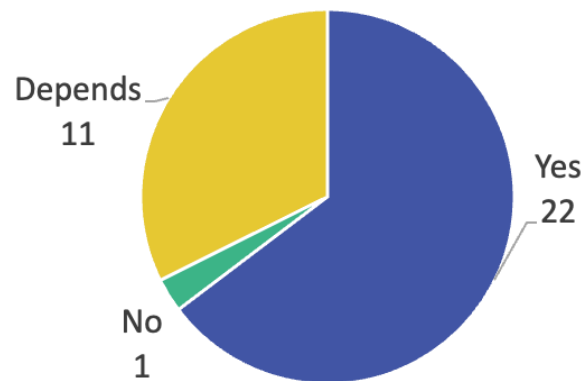
Do you face any water quality challenges on your property (irrigation or stormwater runoff, lack of streamside vegetation or protection, excess livestock manure, etc.)?



If yes, what challenges are you dealing with?

| Response Questions - Common | Count |
|--|-------|
| Runoff, erosion and irrigation overflows | 7 |
| Summer grazing by stock (cattle), including salt licks near riparian areas | 7 |
| Groundwater table dropping | 2 |
| Human waste/city effluent | 2 |
| Lack of oxygen, algae growth | 1 |
| Manure piles | 1 |
| Lack of funding for this work | 1 |
| Ditch company spraying around waterways | 1 |
| Relative/owner not wanting to change | 1 |
| None | 13 |

Would you be willing to try voluntary practices to improve water quality on your property?



If yes, which practices would you be most interested in?

| Response Questions - Common | Count |
|---|-------|
| Riparian restoration or protection (planting vegetation along streams, protecting existing vegetation); | 14 |
| Livestock management (fencing, grazing controls); | 11 |
| Off channel watering (trough, pond, spring development); | 8 |
| Erosion control practices (permanent buffers, cover crops, strip crops); | 7 |
| Waste management (livestock, manure management); | 4 |
| Irrigation system improvements | 1 |
| Will be ready with generation change coming | 1 |
| None | 4 |

If funding were available, which types of projects would be cost-effective and useful for farmers and ranchers in the Powder River Basin?

| Response Questions - Common | Count |
|---|-------|
| Riparian restoration or protection (planting vegetation along streams, protecting existing vegetation); | 23 |
| Livestock management (fencing, grazing controls) ; | 21 |
| Off channel watering (trough, pond, spring development); | 20 |
| Erosion control practices (permanent buffers, cover crops, strip crops); | 17 |
| Waste management (livestock, manure management) | 12 |
| None | 2 |

What resources or support would help you put these practices into action?

| Response Questions - Common | Count |
|---|--------------|
| Financial assistance (grant or cost-share programs); | 24 |
| Technical assistance (planning, design, or implementation); | 19 |
| Training and education; | 12 |
| Equipment or infrastructure support; | 11 |
| Labor; | 1 |
| Better fencing on the Forest service boundaries.; | 1 |
| None | 4 |

What concerns do you have about implementing practices to improve water quality?

| Response Questions - Common | Count |
|--|--------------|
| High costs; | 19 |
| Worries about regulations or compliance; | 13 |
| Lack of knowledge or expertise; | 12 |
| Potential long-term commitments; | 12 |
| Impact on farm productivity; | 10 |
| Monitoring; | 1 |
| Maintaining water quality standards; | 1 |
| None | 6 |

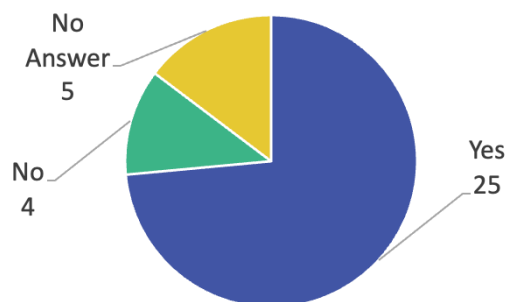
What suggestions do you have to make the TMDL Implementation Plan more practical and helpful for local farmers and ranchers?

| Response Questions - Common | Count |
|---|--------------|
| Hands on education, training and technical and financial assistance | 10 |
| More monitoring/identify the source before implementation begins | 4 |
| Flexibility for landowners | 1 |
| Create more water storage | 1 |
| Provide examples of success with implementation plan | 1 |
| Prioritize/ be strategic/set standards and rules | 3 |
| Establish a baseline level and penalize people for going over it | 1 |
| State legal easement of riparian area | 1 |
| | |
| None | 13 |

How can ODA and other local agencies better support you in improving water quality on your property?

| Response Questions - Common | Count |
|--|--------------|
| More Monitoring; | 4 |
| Funding assistance for on farm improvements | 2 |
| On-site farm evaluations/education and outreach | 2 |
| Use education, outreach and partners | 2 |
| Reduce cattle trampling, assistance with buffer strips, sprinkler irrigation | 1 |
| Stop Baker City from polluting, use water to irrigate cropland | 1 |
| Make violator's pay | 1 |
| Be supportive of sustainable agriculture | 1 |
| Provide frost free livestock water stations | 1 |
| None | 16 |

Would you be interested in working with local agencies, such as Soil and Water Conservation Districts (SWCDs) or Watershed Councils, to improve water quality?



How would you like to receive updates on the TMDL Implementation Plan and any support materials that are developed?

| Response Questions - Common | Count |
|--|--------------|
| Email; | 19 |
| SWCD or Watershed Council newsletters; | 17 |
| Public Meetings; | 11 |
| ODA website updates; | 8 |
| Written reports; | 1 |
| Letter; | 1 |

Is there anything else you'd like to share about water quality issues, the TMDL plan, or your experiences and needs as a landowner?

| Response Questions - Common | Count |
|---|--------------|
| Let's work together on the ground, change of management practices need not be a battle | 4 |
| I appreciate that ODA is trying to work with us through Local Advisory Committees, public meetings reason, etc. | 1 |
| Groundwater issues, County needs to stop approving development | 1 |
| My local ditch has no maintenance, and I won't let my dog or kids in it, the water quality is bad | 1 |
| Stop bending the rules and ignoring the issues | 1 |
| Restoring riparian areas is a win for everyone, ranchers, fisherman, wildlife | 1 |
| I'd be open to a site visit to discuss any opportunities for improvement | 1 |
| We need clean water to swim in and not get a rash or sick | 1 |
| Russian olive trees help hold the soil and don't harm riparian areas | 1 |
| Monitoring needs to identify areas of concern | 1 |
| Let's look at the cities, not the farmers | 1 |
| Impoundments and overgrazing have destroyed my creek in my lifetime | 1 |

Is there anything we might be missing? Are there any important issues we haven't addressed yet?

| Response Questions - Common | Count |
|--|--------------|
| Fish habitat. I'm told the amount of diversion points far outnumber the amount of water rights | 1 |
| Must get going on ground water issues | 1 |
| The focus is on agriculture, when there are many more water users; recreation, fishing, boating, boarding, swimming, kayaking, plus wildlife, birds, all other living things rely on water | 1 |
| Enforcing the law and changing the law. It's time. | 1 |
| Sustainable agriculture, if approached pro-actively with boundaries will work | 3 |

| | |
|--|---|
| Saving the water quality for the future generations. versus individual ranchers. | 1 |
| Monitoring needs to show extent and area of problem | 1 |
| Introduce more beavers and encourage range riders for cattle management | 1 |
| What is the timeframe? | 1 |
| Go test Portland water systems, make equal | 1 |