

Overview of the Campbell Creek (2020) Strategic Implementation Area – Jefferson County Oregon Department of Agriculture (ODA) Water Quality Program



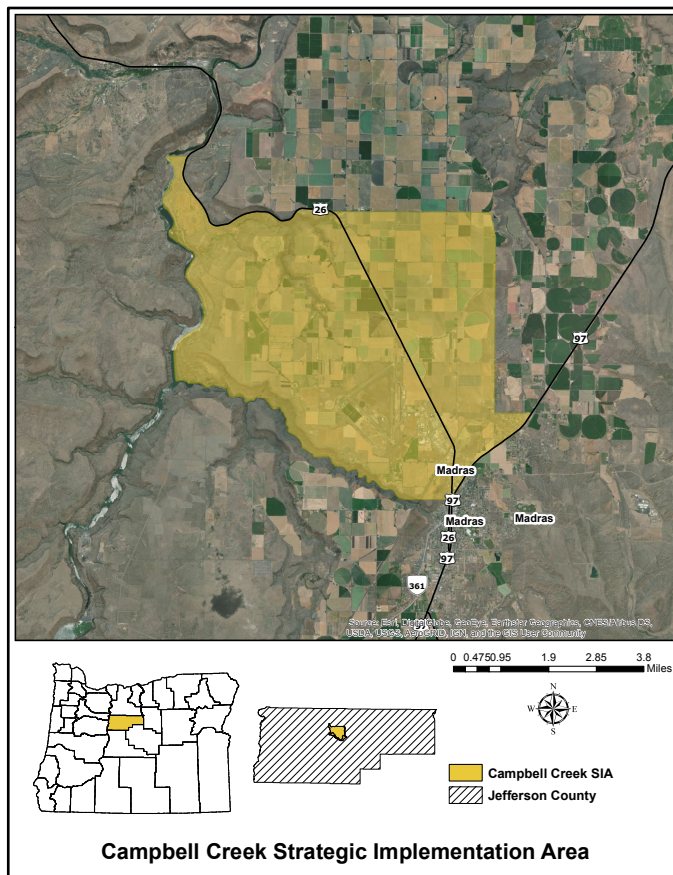
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Purpose: The Strategic Implementation Area (SIA) initiative includes four key components:

1. Demonstrate compliance with Oregon’s agricultural water quality regulations.
2. Voluntary, incentive-based conservation.
3. Monitoring to track water quality and land conditions.
4. Locally-led collaborative partnerships.

Evaluation Process: ODA remotely identifies opportunities for water quality improvement within agricultural lands by reviewing aerial imagery, maps, stream and drainage locations, property boundaries, soils, and well logs. The presence of an agricultural activity (such as livestock or cropping), slope, proximity to the waterbody, size of the waterbody, and stream type (seasonal or year-round) are considered when identifying potential water quality impacts. ODA also completes a field evaluation from public viewpoints to verify results from the remote evaluation and document any additional observations.

Why this watershed? ODA’s SIA selection process includes the location of agricultural lands and streams, Department of Environmental Quality (DEQ) list of impaired waterbodies and Oregon Department of Fish and Wildlife (ODFW) local fish habitat priorities. These data sources help prioritize areas for SIA work.



Overview of the Campbell Creek SIA

Agricultural Water Quality Management Area:

Middle Deschutes

Agriculture: Seed and vegetable crops, irrigated crops, dairy, hemp, livestock, hay, and small farms

Local Agricultural Concerns: Irrigation water use and drainage, application and storage of fertilizers and farm chemicals, unmanaged livestock access to streamside areas, and soil erosion

of Agricultural Acres Evaluated: 15,382

of Agricultural Stream Miles Evaluated: 64

Watershed Hydrological Unit Code and Name:

- 170703060304: Lower Willow Creek
- 170703060305: Pelton Dam-Deschutes River
- 170703070502: Lower Mud Springs Creek

Water Quality Concerns:

- Stream Temperature
- Bacteria – *E. coli*
- Sediment
- Nutrients

Oregon’s Agricultural Water Quality Regulations:

- Agricultural activities must allow for the ongoing growth and establishment of streamside vegetation necessary to provide shade, stabilize banks, and filter pollutants from overland flows along year-round and seasonal streams.
- Landowners must not pollute ground or surface water by discharging wastes into waters of the state or placing any wastes in a location where they are likely to enter waters of the state.
 - Wastes include excess soil, manure, fertilizer, or other substances that can pollute water.
 - Waters of the state include ponds, groundwater, canals, ditches, streams and rivers.
- Middle Deschutes (OARs 603-095-1600,1620,1640,1660)

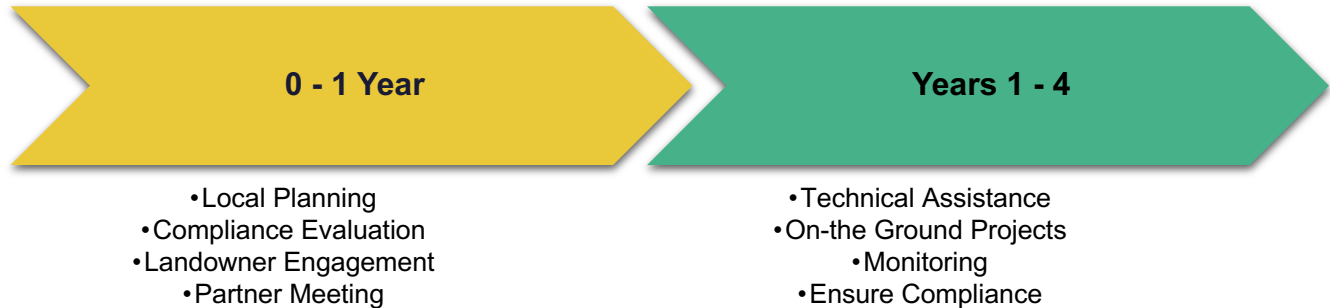
Online Link to Middle Deschutes Agricultural Water Quality Area Rules

<https://www.oregon.gov/oda/shared/Documents/Publications/NaturalResources/DeschutesMidAWQMAAdminRules.pdf>

Available Funding

For the 2019-2021 biennium, the Oregon Watershed Enhancement Board (OWEB) approved \$1.6 million (\$100,000 per SIA) of grant funds. These funds can be used for landowner engagement and technical assistance activities such as on-site assessments, conservation and project planning, and assistance in applying for project funding. The OWEB Board also authorized an additional \$25,000 for each SIA to support monitoring activities.

SIA Implementation Process and Timeline



Landowner Engagement

- ODA sends the owners of all evaluated properties informational letters and SIA outreach materials.
- The SWCD and local partners work to engage landowners in voluntary incentive-based conservation.

Technical Assistance

- The SWCD is available to offer technical assistance to all landowners in the SIA to help address water quality concerns, provide conservation planning and technical resources, support on the ground project design, and assist in applying for incentive-based funding where available.

Compliance

- ODA initiates the compliance process where potential water quality concerns remain. If a compliance investigation is opened, ODA's compliance process is followed.

Monitoring

- The SWCD along with local partners will develop a monitoring plan to evaluate landscape conditions and water quality.

Demonstrating Compliance

ODA monitors and reports SIA progress and accomplishments toward addressing local water quality concerns related to agricultural activities. Go online for the 2014 to 2019 SIA Progress Report: <https://www.oregon.gov/oda/shared/Documents/Publications/NaturalResources/SIAProgressReport.pdf>

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