

Middle Deschutes Pesticide Stewardship Partnership

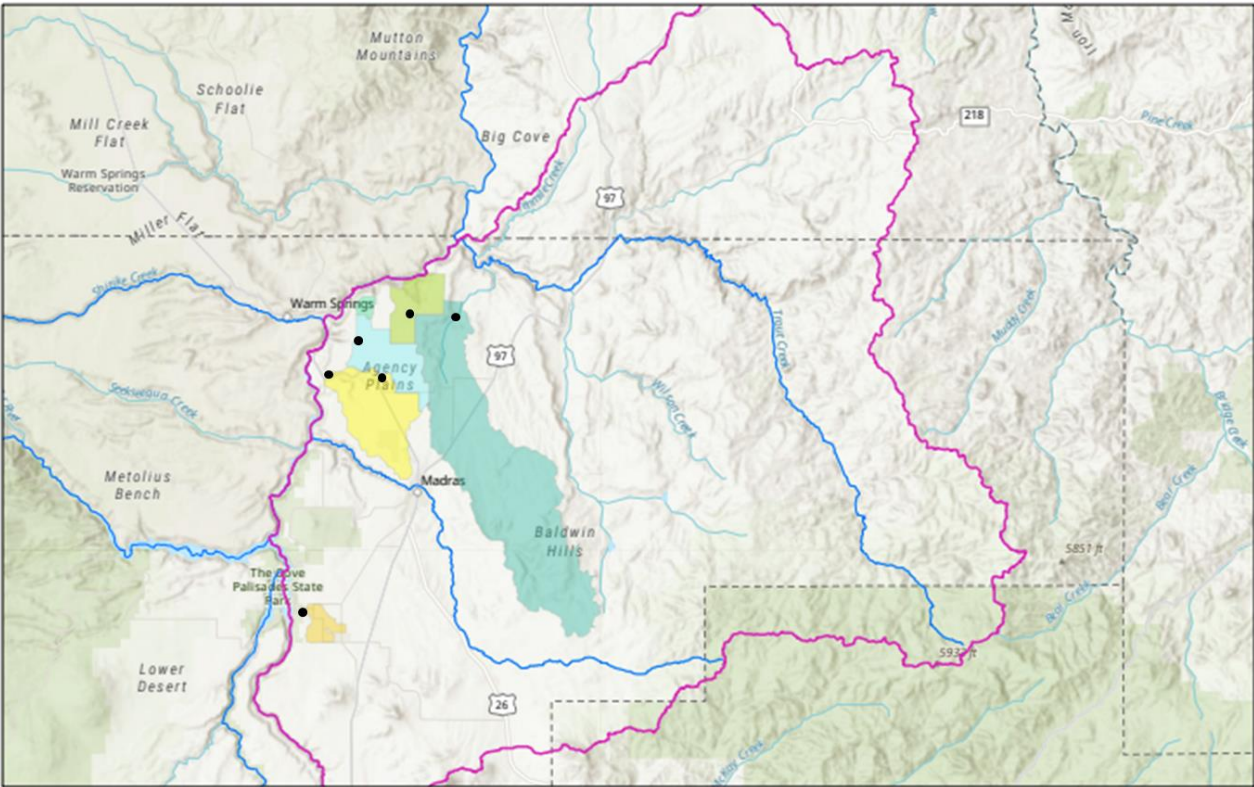
Strategic Plan

(July 1, 2023-June 30, 2028)

Draft Proposed: February 2023

1. Middle Deschutes Pesticide Stewardship Partnership (PSP) Project Area
 - a. Boundaries align with the Oregon Department of Agriculture Water Quality Boundary
 - b. Monitoring Locations and Sub Watersheds

Middle Deschutes Pesticide Stewardship



2/8/2023

MidDeschutesBndy 20230126	Culver Drain b/w dam at Iris	Mud Springs @ Gateway	Major Rivers
Drainages	Frog Springs @ Deschutes	Rattlesnake b/w bluff ponds	World Hillshade
Campbell Creek @ Pelton Rd	Goosenest at top of bluff	Other	Sample Locations

1:577,791
 0 3.5 7 14 mi
 0 5 10 20 km
Oregon State Parks, State of Oregon GEO, Esri, HERE, Garmin, SafeGraph, FAO, METINASA, USGS, Bureau of Land Management, EPA, NPS, Esri.

2. Sampling Schedule

- a. Every year between March-June, Sept-Oct

Sampling Month	March	April	May	June		September	October
Number of Samples	1	2	3	1		3	1

Drainage	Location	Annually/biannually
Campbell Creek	At Hwy 26 and Columbia	Annually
Campbell Creek	At Mouth to Deschutes River	Annually
Mud Springs	At Gateway	Biannually
Culver Drain	At Crooked River Campground	Annually
Frog Springs	At Juniper Road	Biannually (trade off with Mud Springs)
Rattlesnake Canyon	At Rim, post irrigation pond	Annually

3. Pesticides of Concern/Pesticides of Interest and Land Uses

	Type H=Herbicide I=Insecticide	Trade name	Major use
Dimethenamid	H	Outlook	Grass seed
Dimethoate	I	Various generics	Grass seed, alfalfa
Diuron	H	Karmex, Direx, generics	Bluegrass seed, Associated Lands (fence row/ farmyard/ stack yard/ rights-of-way)
Imidacloprid	I	Merit, Admire, generics	Vegetable crop
Linuron	H	Loxex, Lines	Carrot seed
Oxyfluorfen	H	Goal, Galigan, generics	Carrot and bluegrass seed
Prometryn	H	Caparol	Carrot seed

4. Goals

a. Communication Goals to be completed between 2023-2028

Goals for Communication and Outreach	
Goal 1: Continue to develop a diverse/community-focused campaign to reduce pesticides in the waterways	
	Strategy 1: Continue to work with key partners and meet the current sector groups.
	Metric 1: Sign 10 agencies onto the formalized partnership/initiative. Provide annual updates to formal partners through an annual meeting.
	Strategy 2: Develop new relationships with additional organizations, businesses, local and county governments, and other potential partners as they arise.
	Metric 2: Reach out to two new agency per quarter by attending an event, meeting, or connecting directly. Totaling 40 new relationship with local partners.
	Strategy 3: Work with partners to prioritize key outreach events to increase community awareness of Middle Deschutes PSP and its work.
	Metric 3: Host, attend, table, or speak at 5 events per year. Totaling 25 events over the next 5 years.
Goal 2: Develop communication material to increase understanding of Middle Deschutes PSP objectives and Integrative Pest Management	
	Strategy 1: Connect with chemical companies to work with technical staff to develop mutual knowledge on barriers, alternatives, and best management practices unique to the area.
	Metric 1: Provide one news article and two newsletters per year, totaling 15 articles reaching 1,000 people per year. And develop material for best management practices for 6 target groups based on crops grown (bluegrass seed, carrot seed, and hay), irrigation practice applied (sprinkler, and furrow irrigation), or pesticide used (those listed as High Pesticides of Concern).
Goal 3: Work with and between sector groups to increase knowledge of barriers to implementation of best management practices	
	Strategy 1: Produce targeted campaigns to present alternatives to certain pesticides through best management practices and pest management strategies.
	Metric 1: Reach out to 3 local chemical companies to make contact and develop relationship.
	Strategy 2: Connect with the community through technical staff of chemical and seed companies, such as 'field men,' to increase the breadth and credibility of the Middle Deschutes PSP to the growers.
	Metric 2: Meet with technical field staff from 2 companies to develop material, repeat as needed across the 5 years to maintain relevancy.

- b. Pesticides to be completed between 2023 and 2028, results based on three continuous years of data. (ie. 2028 achievements based on 2026-2028 data)

Goals for Measured Pesticide Concentrations by 2028	
Goal 1: <i>All measured Pesticides of Concern are below aquatic life benchmarks.</i>	
	<i>Mid-Goal: Reduce the max aquatic life ratio (as of 2023) by 50% by the end of 2026.</i>
Goal 2: <i>Reduce detection frequency of pesticides by 25%</i>	
Goal 3: <i>Reduce the number of High Pesticides of Concerns by 4 (ie. from 7 High Pesticides of Concern down to 3)</i>	

- 5. Documentation of Improvements
 - a. Annual meetings and annual reports (single pager), press releases, social media announcements, and post to the SWCD website

- 6. Technical Assistance and Financial Needs
 - a. Collaboration with planning team, local chemical companies, local government, technical assistance providers (seed companies, OSU extension, etc), and other stakeholders.
 - b. Financial needs: similar to 2021-2023 budget, exchanging time to develop Strategic Plan for time to implement Strategic Plan

- 7. Coordinating Council Participation
 - a. Annual meetings to present data, achievements, and goals