

The background features abstract green geometric shapes, including a large triangle on the right and a smaller one on the left, with various shades of green and some thin white lines.

Joint Board of Agriculture Environmental Quality Commission Meeting September 26, 2019

Kevin Masterson - Oregon Department of Environmental Quality
Kirk V. Cook, RG - Oregon Department of Agriculture

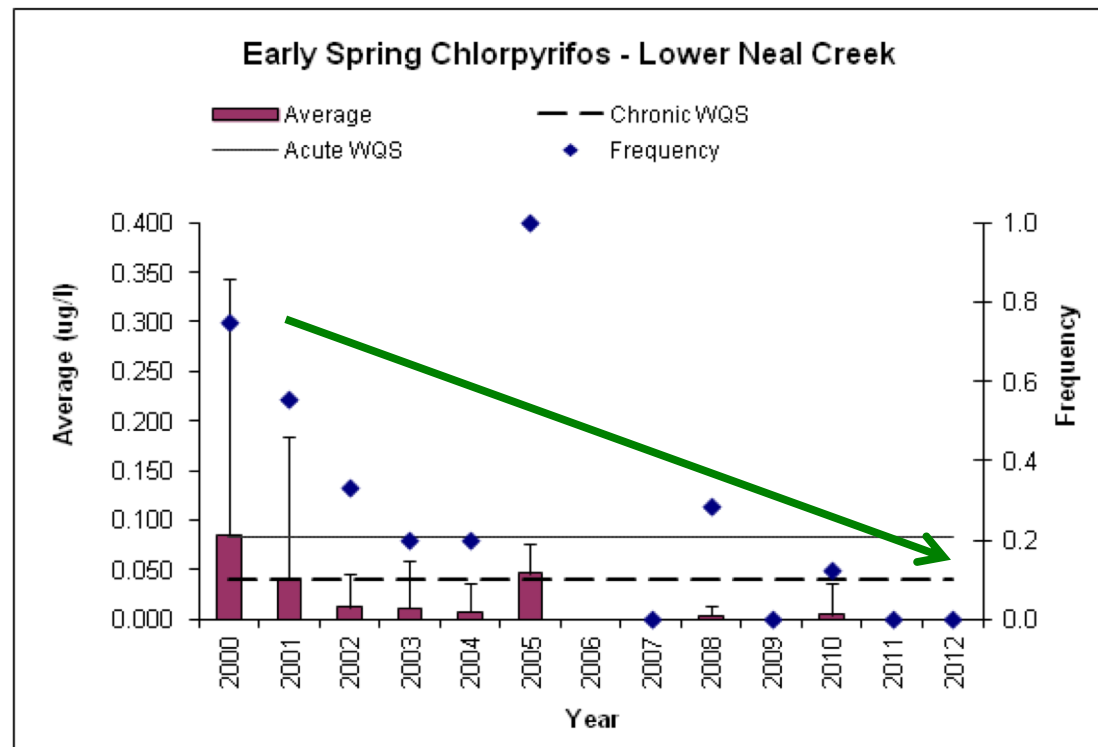
Pesticide Stewardship Partnership

Background

The program began in the Hood River area as a collaborative to address pesticide and water quality concerns

Uses local expertise combined with water quality sampling results

Goal: promote voluntary changes in pesticide use practices that improve water quality



Pesticide Stewardship Partnership

Background

Program focuses on current-use pesticides

Initial funding from 319 water quality grants, funds from partners (Warm Springs Tribe), and in-kind technical assistance (OSU Extension)

In 2013 The Oregon Legislature allocated stable funding for the program to expand PSP efforts

Pesticide Stewardship Partnership

Funding and administration

Funding: 1:1 General Fund and Other Fund (pesticide registration fees)

\$960K GF:\$960K OF for the 2019-2021 biennium

DEQ conducts laboratory analyses

ODA administers local partner grants

Agencies collaborate on program delivery

Pesticide Stewardship Partnership

Role of Water Quality Pesticide Management Team

Direction for the PSP Program is provided by the Water Quality Pesticide Management Team (WQPMT):

- ☐ Departments of Agriculture, Environmental Quality, Forestry, Oregon Health Authority, Oregon Watershed Enhancement Board and OSU (technical advisor)
- ☐ ODA's cooperative agreement with the US EPA references PSP and the WQPMT
- ☐ WQPMT develops Oregon's Pesticide Management Plan for Water Quality

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Examples of Grant Projects

Grant Project	PSP Area	Summary
OSU IPPC	Clackamas	Christmas Tree Integrated Pest Management Methods
OSU Extension	Various	Field trials of innovative process for deterring an invasive fruit fly in cherries and berries
Strategic Planning	Middle Rogue	Development of 1 st Strategic Plan for implementation of PSP program at watershed level

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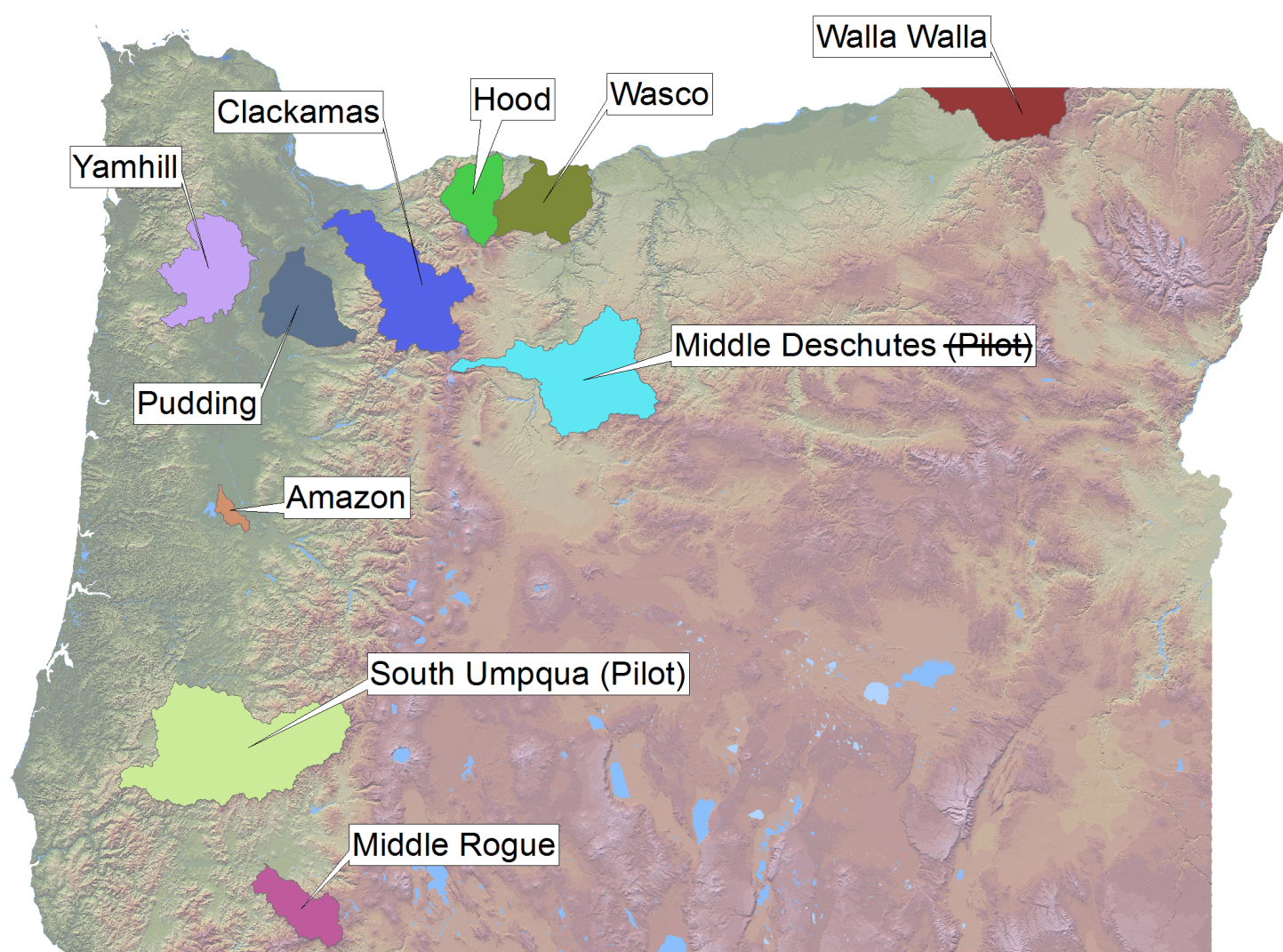
Program Enhancements

Establishment of Stakeholder Advisory Group for PSP related issues (first meeting in November)

Implementation of watershed-level strategic plans

Improvement of program outreach to meet communication needs and increase transparency

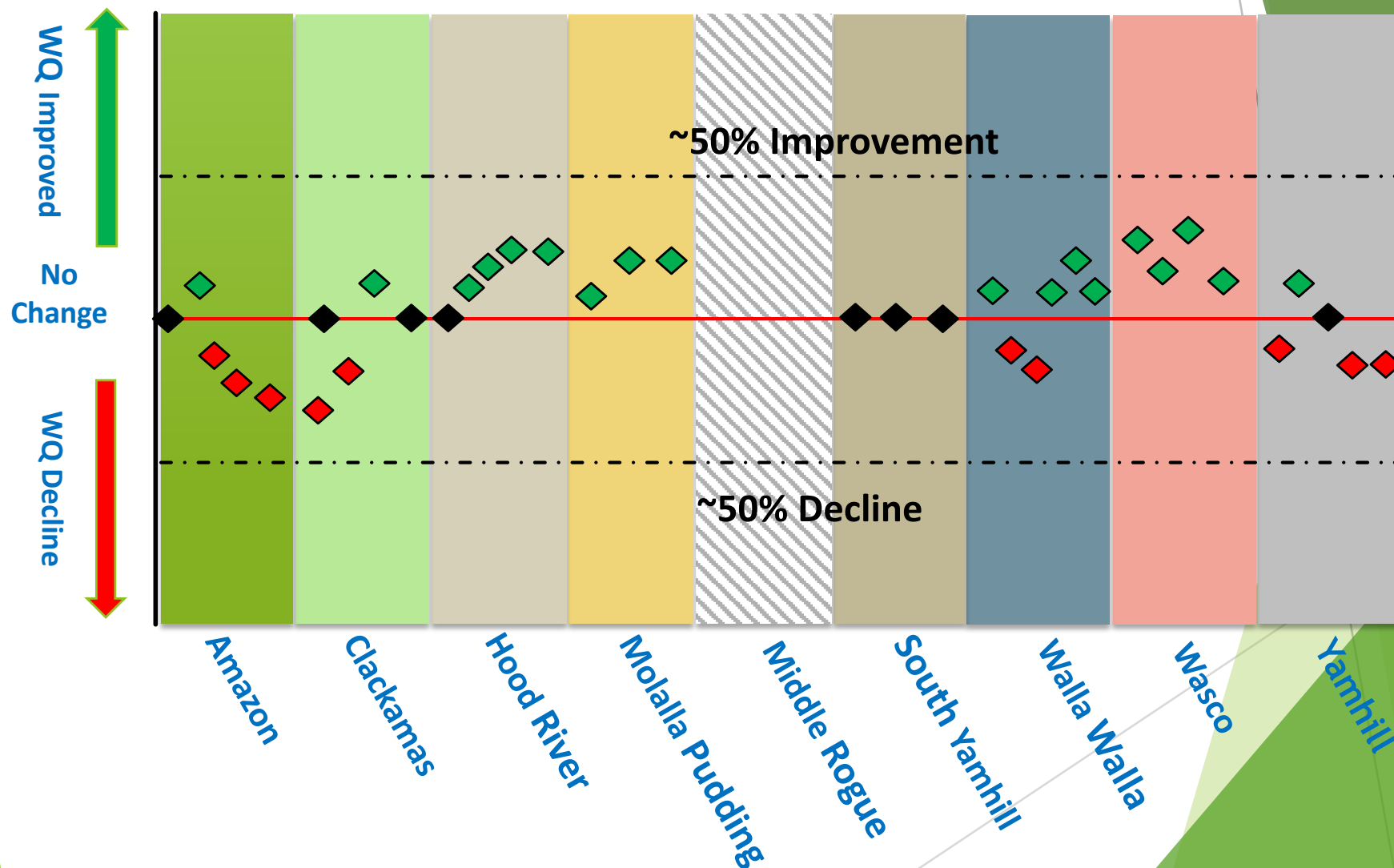
Current PSP Watershed Projects 2018-19



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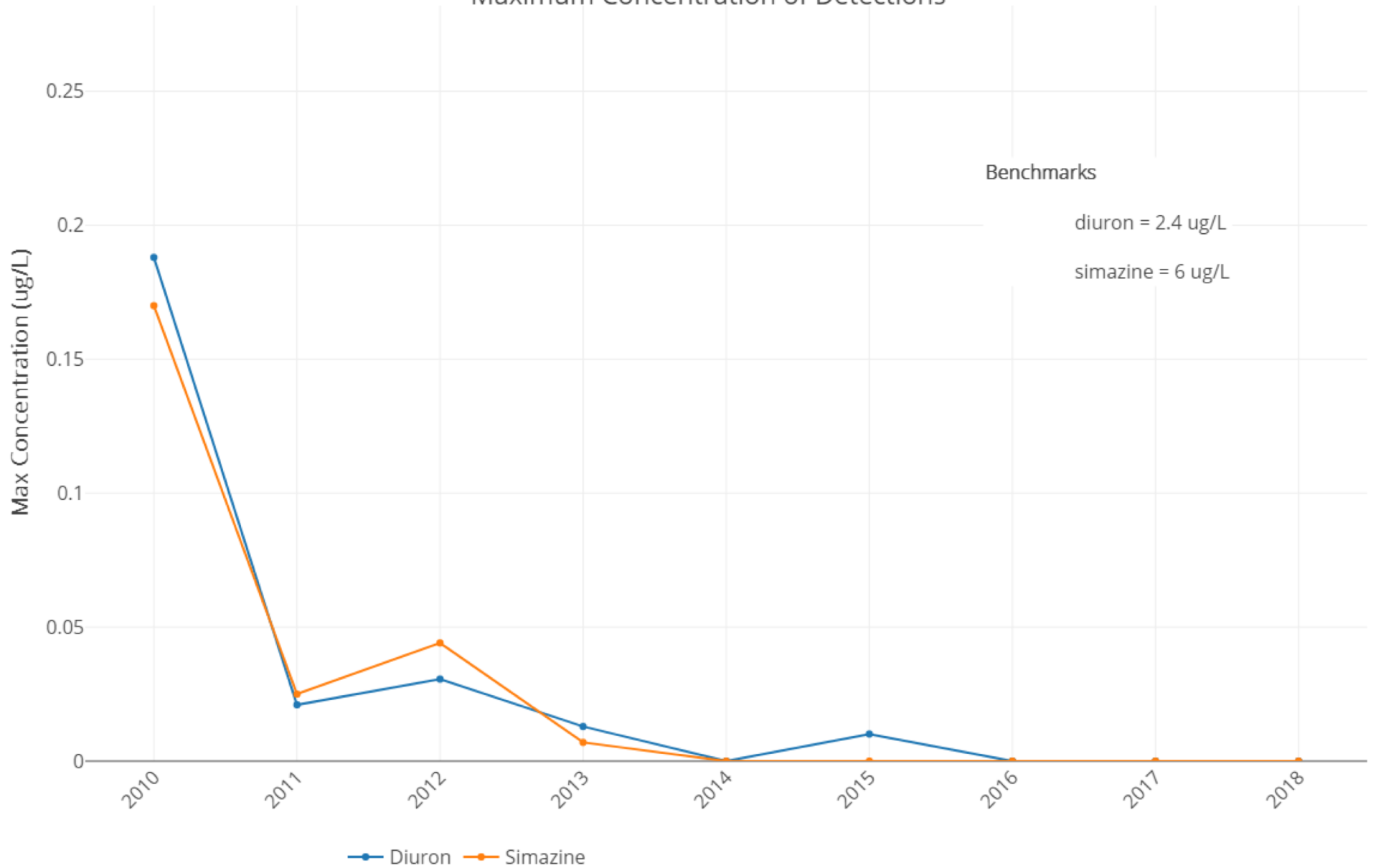
Outcomes/results

What were the overall water quality trends between the 2013-15 and the 2015-17 biennial periods?



Note: Diamonds represent individual monitoring sites

Fifteenmile Creek 2018 Selected Herbicides Maximum Concentration of Detections



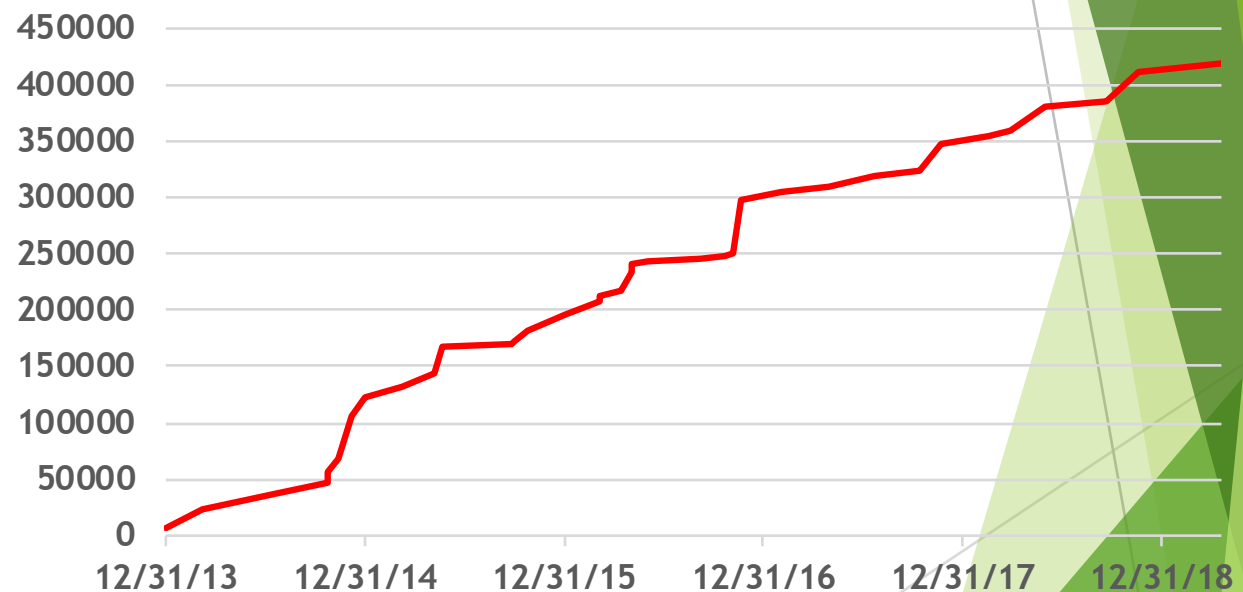
Pesticide Stewardship Partnership

Waste Pesticide Collection

The Waste Pesticide Collection program has collected ~ 420,000 lbs. of waste from ~ 670 applicators since 2014

Collections will begin again in late October/early November 2019 in the southern Willamette Valley and in Clackamas.

Pounds of Commercial Waste Pesticides Collected 2014-2019

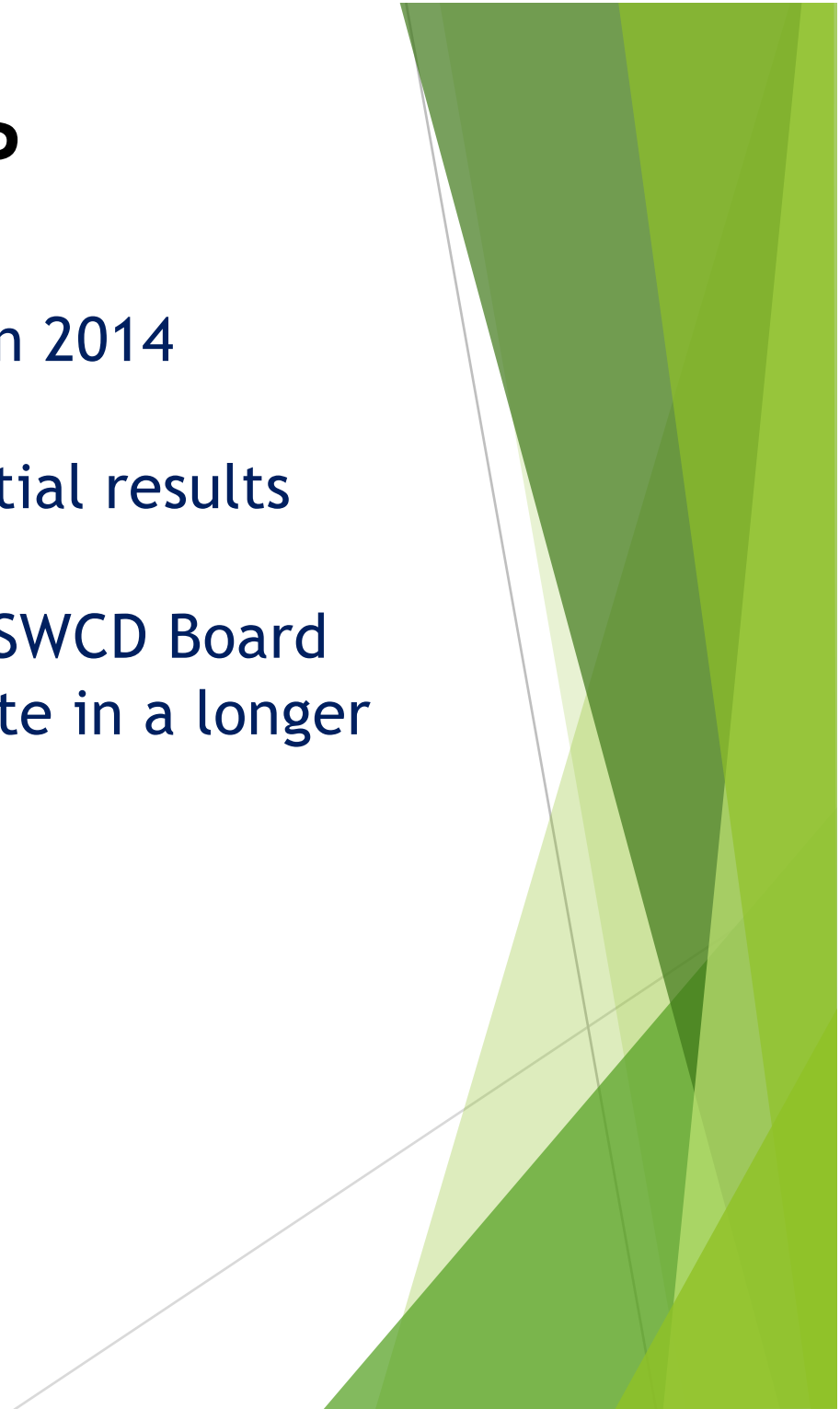


Middle Deschutes - PSP

Exploratory monitoring began in 2014

Sites were refined based on initial results

Based on results the Jefferson SWCD Board
unanimously voted to participate in a longer
term PSP project in July 2019



Settling ponds and irrigation systems in Agency Plains and Culver area being evaluated as factors for elevated pesticide levels in streams



The Middle Deschutes provides some unique challenges in that may involve both off-site design and irrigation management solutions coupled with enhanced education and outreach