

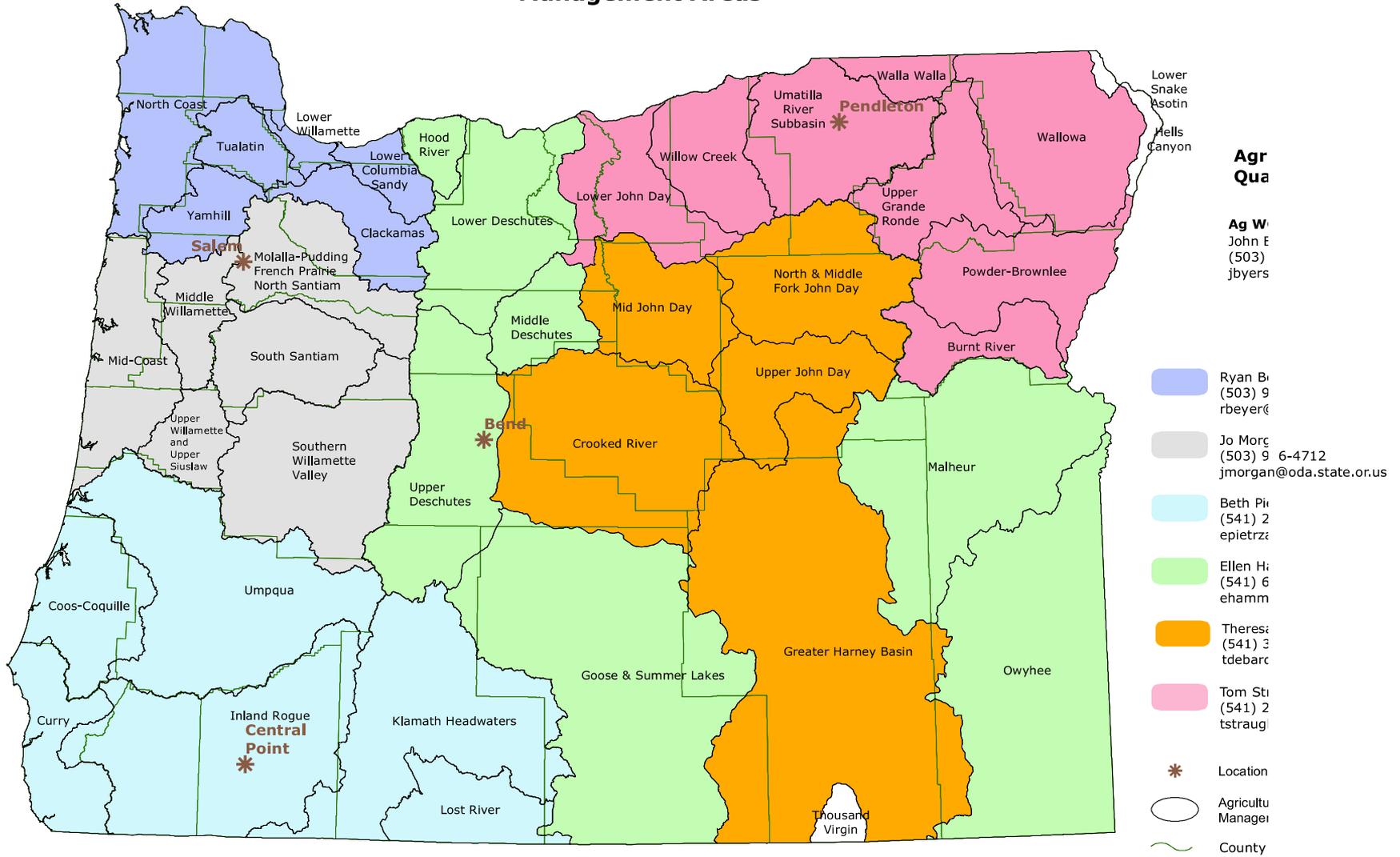
ODA Ag Water Quality and Strategic Implementation

John Byers: Program Manager
Agricultural Water Quality Program
Soil and Water Conservation District Program
OWEB BOD October 27, 2015

SWCD Program Overview

- ODA manages OWEB pass-through grant funds
 - \$50,000/year for water quality work
 - \$20,000/year for business operations
- 45 SWCDs statewide

Agricultural Water Quality Management Program Management Areas



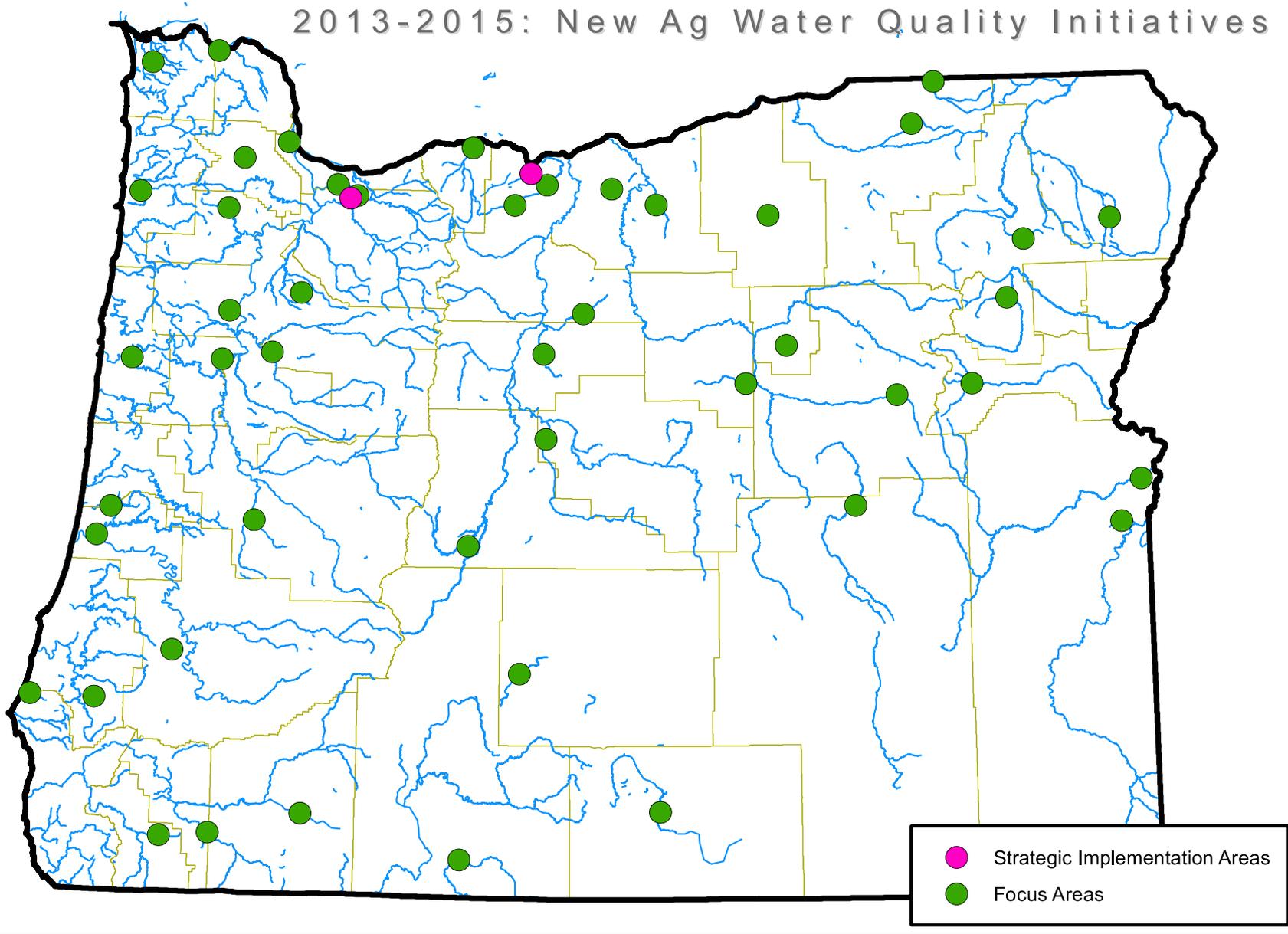
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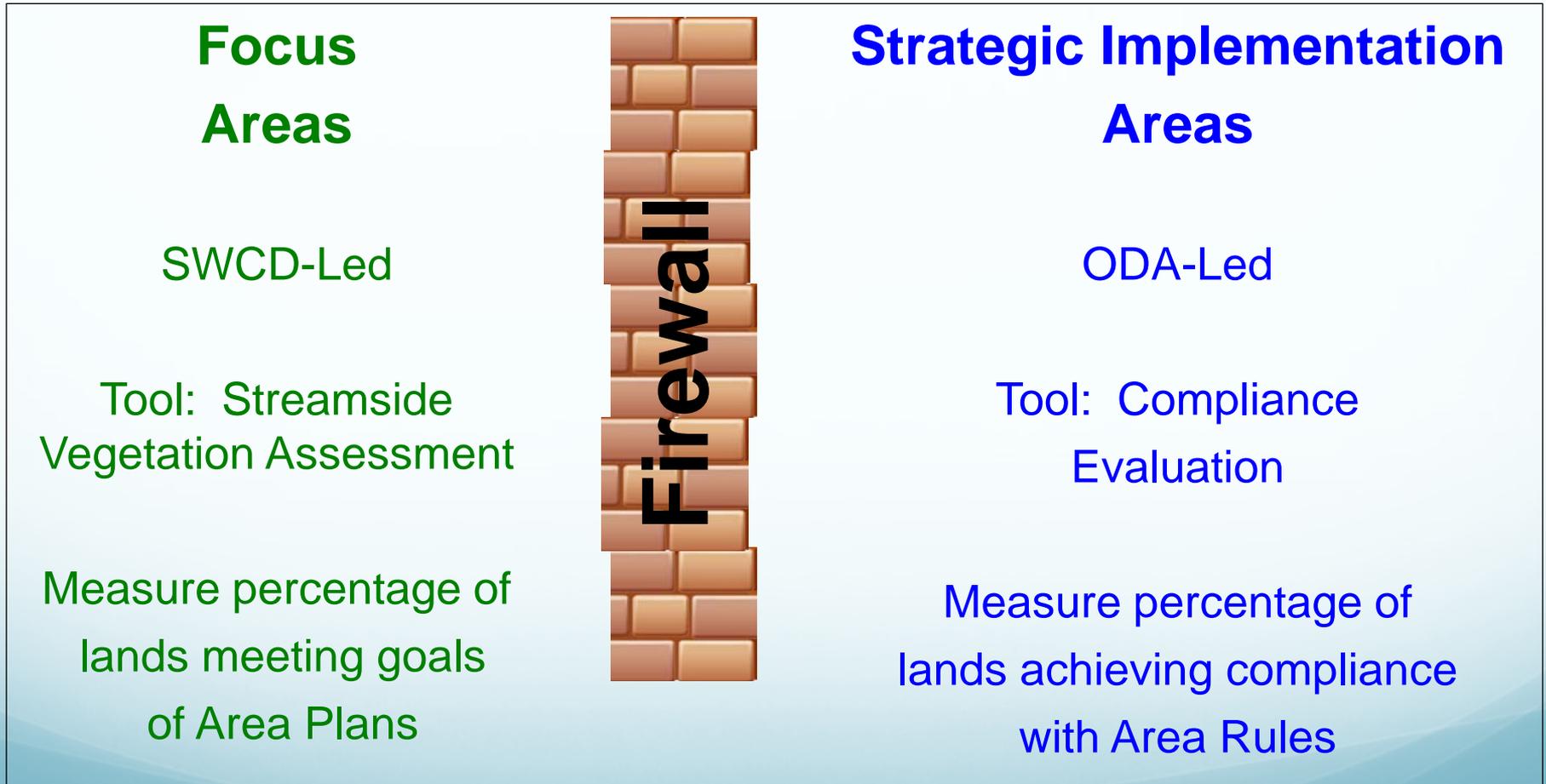
2013-2015: New Ag Water Quality Initiatives



0 30 60 120 Miles



Strategic Focus of Resources

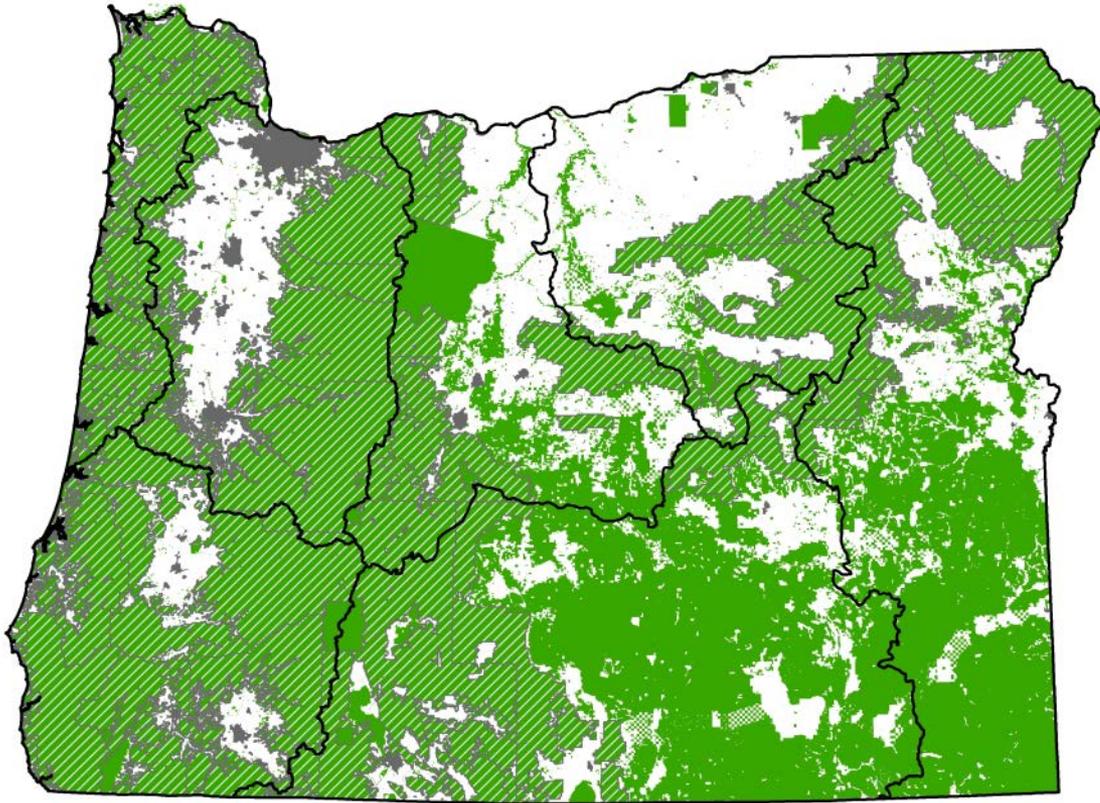


Need both to “tell the story” of ag and water quality

FUTURE SIA SITE IDENTIFICATION AND PRIORITIZATION

- Identify and remove non-Ag lands - Ex: Federal lands, Tribal lands, Urban
 - Identify and remove lands without streams
 - Identify six-field HUCs (10,000 – 40,000 acres) with Ag and Water
 - Prioritize HUCs

SIA Prioritization

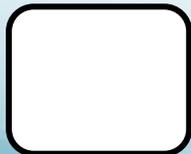


UrbanGrowthBoundary Forestry Zones Not Private Land

3121 HUCS Statewide minus
HUCS without Ag or water =

HUCs WITH AG & WATER =
2174

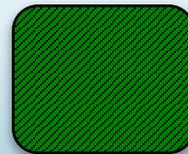
HUCS with Ag & Water and.....
CRITERIA! =



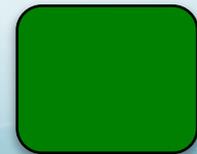
Ag Land



Urban



Forestry Zone



Not Private Lands

HUCs with Ag and Water: (2174 HUCs)

Score is calculated based the stream feet or acres of each category divided by the total stream feet or acres in agricultural use, multiplied by the scoring factor (10 for water quality and 5 for aquatic species of concern).

- Water Quality; (303(d) listed or TMDL:

Criteria:

Temperature	(10)
Bacteria	(10)
Nutrients	(10)
Sediment	(10)
<hr/>	
Possible WQ score	(40)

- Aquatic Species of Concern

Criteria: Priority 1 and 2 from ODFW Aquatic Species of Concern data layer.

Possible score (5)

Priority 1 and 2 includes salmonid species and other non-salmonid species that are endemic to Oregon.

HUCs with Ag, Water, and WQ Criteria = 1018

Water Quality SCORING example

Water Quality Score (303(d) listed or TMDL)

Criteria:

#1 - Temperature	(10)
#2 - Bacteria	(10)
#3 - Nutrients	(10)
#4 - Sediment	(10)
Possible total	(40)

WQ Criteria: 1a

5,000 feet - TMDL for Temperature

5,000 feet / 10,000 feet = .5

.5 x 10 = 5

WQ Criteria: 1b

3,000 feet - TMDL for Bacteria

3,000 feet / 10,000 feet = .3

.3 x 10 = 3

Total WQ Score = 8



10,000 stream feet
Inside Ag Areas



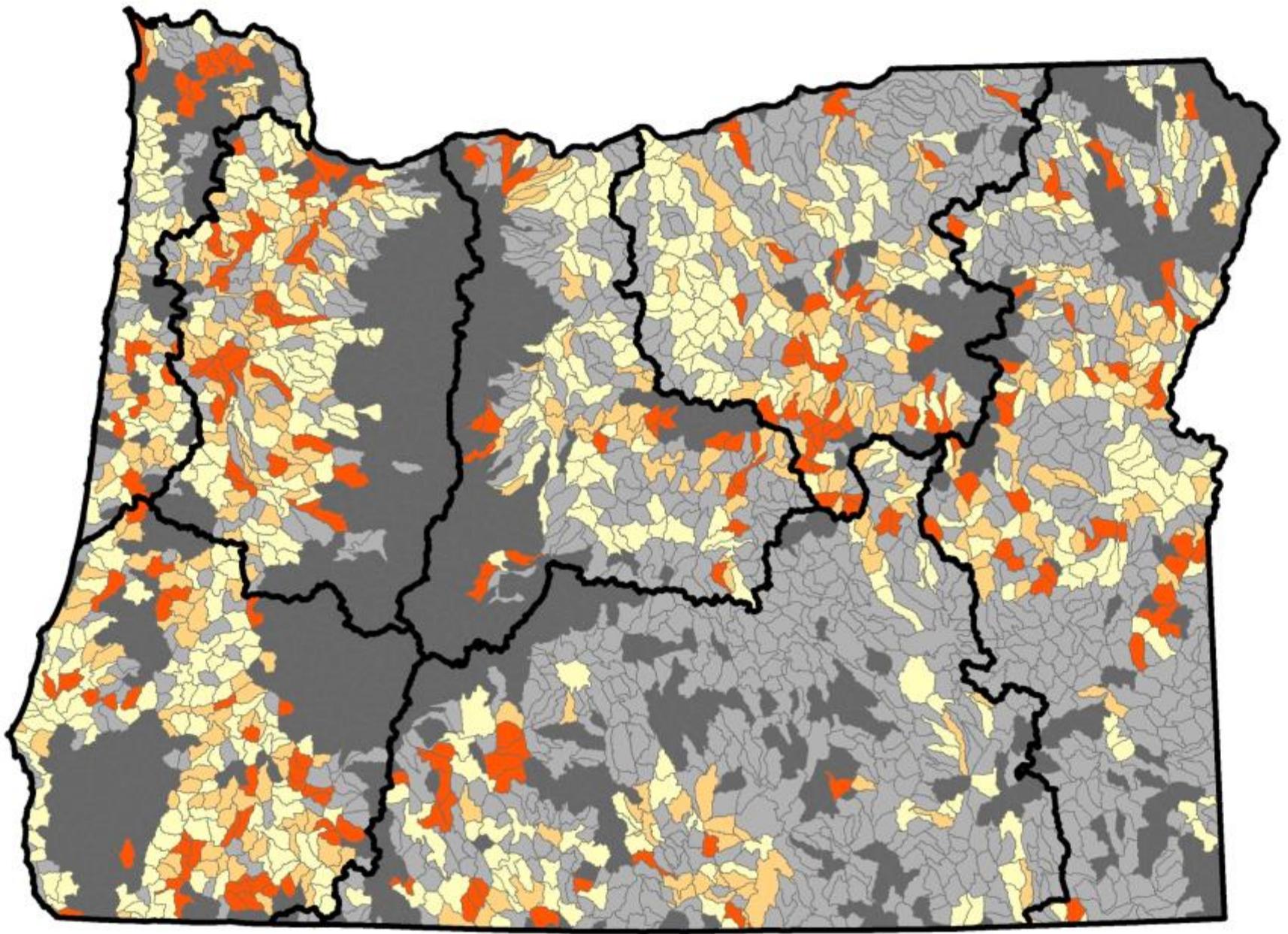
5,000 stream feet
Temperature TMDL



3,000 stream feet
Bacteria TMDL

Prioritization Results:

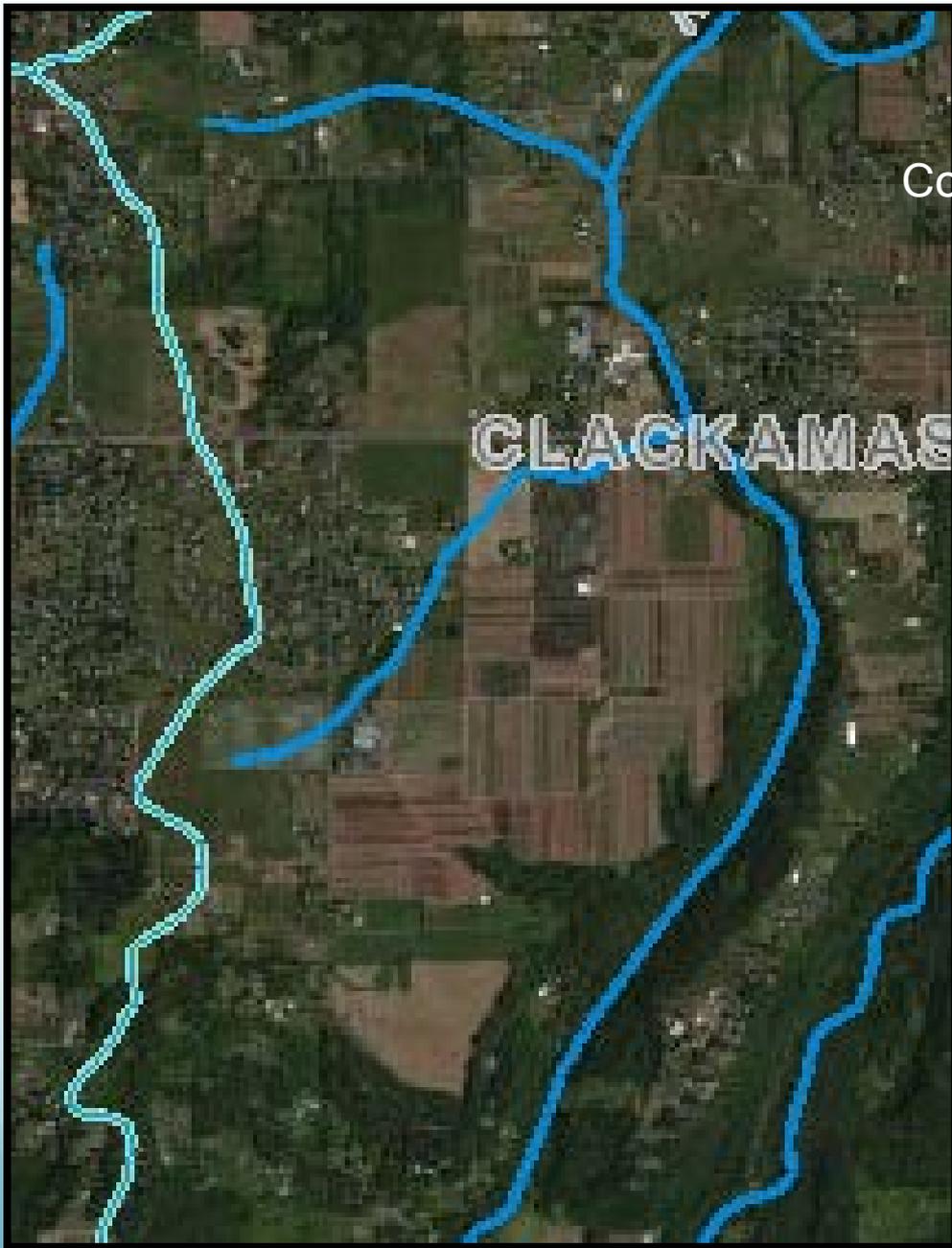
Geographic Area	All HUCs	HUCs (with ag and water)	Scored HUCs						
			No WQ Criteria	WQ Criteria present	Low	Med	High	Score Range high	Average Score high
Deschutes	379	237	133	104	51	32	21	6.53 to 25.00	9.70
High Desert	638	472	359	113	58	33	22	10.00 to 30.05	15.11
John Day/Umatilla	402	343	177	166	84	49	33	5.60 to 13.53	7.69
North/Mid Coast	189	130	47	83	40	25	18	11.82 to 25.00	16.09
Snake	659	503	312	191	96	56	39	7.76 to 15.00	10.07
Southwest	442	248	52	196	98	59	39	8.74 to 25.00	11.64
Willamette	412	241	76	165	82	50	33	8.06 to 34.52	10.75
Total	3121	2174	1156	1018	509	304	205	N/A	N/A



Local Partner Considerations

- Drinking Water Source Protection Areas
- Groundwater Management Areas
- Pesticide Stewardship Partnerships
- DEQ long-term ambient water quality monitoring locations
- Prior work—build on or potentially harm
- Current Focus Area
- Current partner priorities—to align resources (Natural Resources Conservation Service, Oregon Watershed Enhancement Board, Oregon Department of Environmental Quality, Oregon Association of Conservation District)

Compliance Evaluation and Implementation

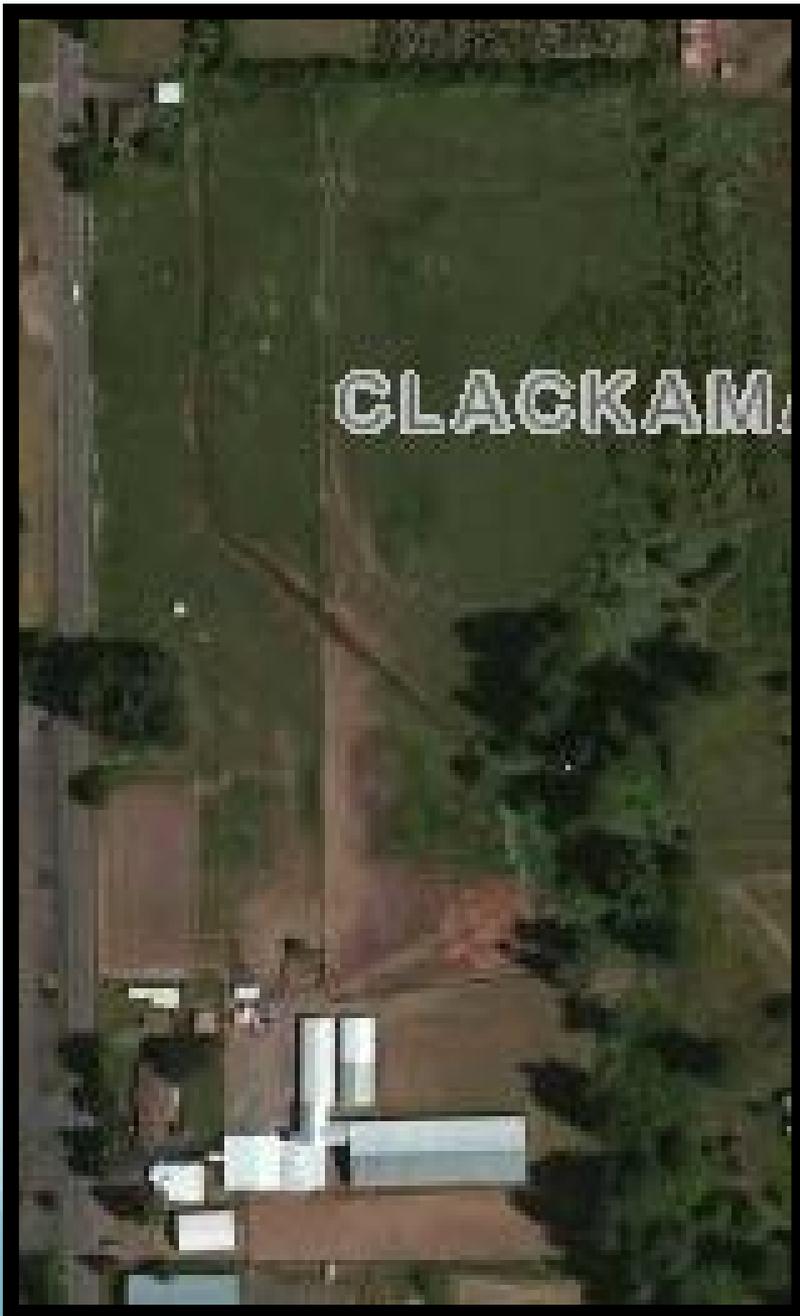


Compliance Evaluation

Evaluation Methods:

Publically Available Information

- *Aerial Photos
- *Topographic maps
- *Stream location maps
- *Property boundary maps
- *Field Survey



Threat Assessment Concern on Agricultural lands

Categories:

Manure Piles

Bare Ground

Riparian Vegetation

Levels of Concern



Riparian Vegetation

Low Concern— Unable to determine if Ag activities are preventing vegetation from establishing

Moderate concern—Agricultural activity may be preventing vegetation from establishing.

Significant/Serious Concern—Agricultural activity observed during field evaluation and appears to be preventing vegetation from establishing.

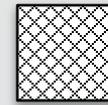
Noyer Compliance Evaluation



Noyer Creek – Clackamas Co. Compliance Evaluation



Not Applicable



No Concern



Potential Concern

2013-2014 Strategic Implementation Areas

Noyer Creek (Clackamas County)

Total Parcels in Assessment Area = 623

- 368 (N/A) (Fed. Land, Not Ag etc.)

237 "Evaluated"

Evaluation Categories	Pre-evaluation	Post-evaluation
No Concern	= 200 Parcels	209 Parcels
Low Concern	= 19 Parcels	26 Parcels
Moderate Concern	= 16 Parcels	0 Parcels
Significant Concern	= 2 Parcels	2 Parcels
Serious Concern	= <u>0 Parcels</u>	<u>0 Parcels</u>
Total	= 237 Parcels	237 Parcels

SIAs July 2015

Wasco County

Polk County (w/Yamhill)

Yamhill County (stand alone SIA)

Columbia County (3 x 6th Field HUICS)

Jackson County

East Multnomah (w/Clackamas)

Deschutes County

July 2016 – 6-7 more

OWEB Grant Funding

- Fiscal Year – 2015 – 2017
- Fund Total - \$1,000,000
 - SB 5541 & HB 5002 Budget Note
 - “to direct conservation investments for water quality improvement and watershed restoration projects associated with working agricultural lands”
 - “for technical assistance and projects to restore riparian function, improve watershed health and increase water quality in Strategic Implementation Areas identified by the ODA Water Quality Program”

July 1, 2015 – June 30, 2016

- A. September 2015 – Current SIA; Remote Compliance Evaluation (GIS)
Wasco, E. Multnomah, Yamhill, Polk, Columbia, Deschutes, Jackson
- B. October-November 2015 – Compliance Evaluation (Ground Truth)
- C. November 2015 – January 2016
 1. Meet with SIA-SWCDs to discuss CE results
 2. First letters out to Landowners
 3. Conduct Open Houses
- D. Project Proposal Submission Dates:
 - January 2016–**
 1. SIA SWCDs submit proposals for projects “*ready to go*” inside SIA
 2. February - March 2016 – Award Funding (25% match required)
 - May 2016 –**
 1. SIA SWCDs submit proposals for “*ready to go*” & “Moderate” and “Serious” projects
 2. June - July 2016 – Award Funding (25% match required)

Year two = July 1, 2016 – June 30, 2017

- E. July 2016 – ODA selects 6, year two SIAs (the partner “challenge”)
- F. August – Sept. 2016 – Remote Compliance Evaluation (GIS) for year two SIAs
- J. October – November 2016 – Compliance Evaluation (Ground truth) for year two SIAs
- K. November 2016 – January 2017
 1. Meet with SIA-SWCDs to discuss CE results
 2. First letters out to Landowners
 3. Conduct Open Houses
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GOALS

- Goals:
 - Allow 2015 - 2016 SIAs (7) to apply for “ready to go” projects
 - Allow 2015 - 2016 SIAs (7) to apply for “Moderate” & “Serious/Significant” projects
 - Allow 2016-2017 SIAs to apply for “ready to go” projects
 - Allow 2016 - 2017 SIAs to apply for “Moderate” & Significant” projects

OWEB SIA Grant Program

- OWEB received additional \$1 million of PCSRF funding this year, request adding this additional funding to the 2015-2017 Spending Plan
- Request utilizing \$1 million for the SIA grant program in coordination with ODA
- SIA Grant Program would have four solicitations during 2015-2017 biennium (January/May, 2016 and January/May 2017)
- SIAs selected in July, 2016 in PCSRF priority areas

OWEB SIA Grant Program

- SIA grants will be restoration-type only and leading to direct water quality improvements
- Monitoring will be an allowable expense within a project, but not at the programmatic level
- OWEB will not provide SIA grant for projects where ODA has initiated an enforcement action