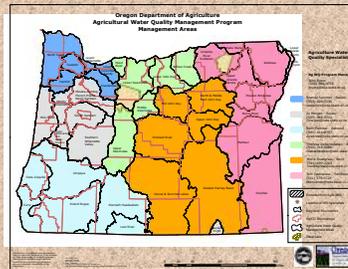


Ag Water Quality Program Background

- Clean Water Act
 - Each State addresses Ag Water Quality issues uniquely
 - Oregon ~ a division of responsibility
 - ODF ~ private land forestry
 - DEQ ~ Urban storm water, municipal waste water, transportation system and non-ag point sources, federally managed land
 - ODA – agricultural activities on private land (1993 Ag Water Quality Management Act)
 - 38 Ag Water Quality Management Areas
 - Local Advisory Committees
 - Area Plans – Area Rules



Focus Areas

vs

Strategic Implementation Areas

Focus Areas – “Streamside Vegetation Assessment”

* Characterizes landscape conditions and improvements

* 48 Focus Areas

- one in each of the 38 Ag Water Quality “Management Areas”

- one in each of the 45 SWCDs statewide

Strategic Implementation Areas – “Compliance Evaluation”

*Characterizes the level of compliance to Area Plans; ODA’s

alternative to complaint-based compliance

Firewall:

SWCDs Do Not Determine Compliance
Streamside Veg Assessment ≠ Compliance Evaluation

Streamside Vegetation Assessment

Focus Areas – conducted by SWCD or ODA

- Record current vegetation
 - report total for watershed
 - results not associated with individual landowners
 - can aggregate across state
- SWCD offers assistance



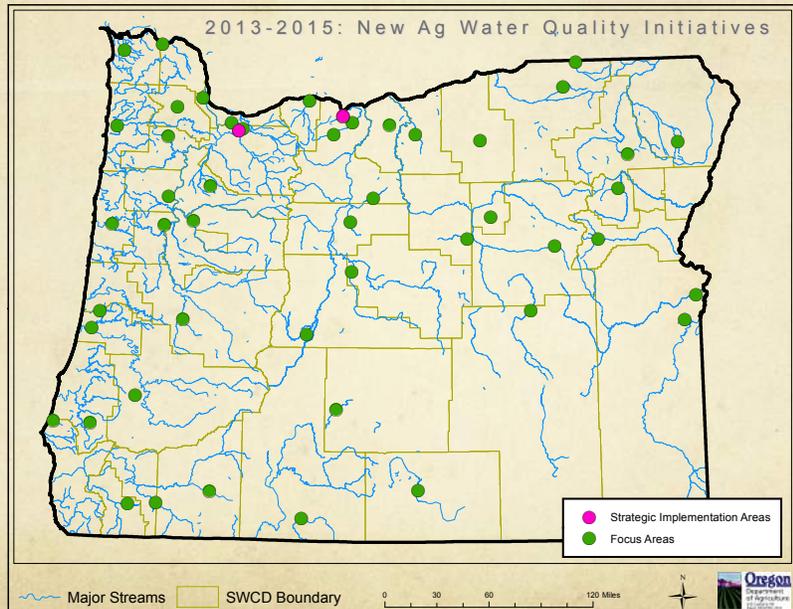
Compliance Evaluation

Strategic Implementation Areas – conducted by ODA only

- Identify and prioritize WQ concerns on Ag lands
 - manure piles
 - erosion
 - streamside vegetation
- ODA contacts responsible parties
- Potential compliance activity

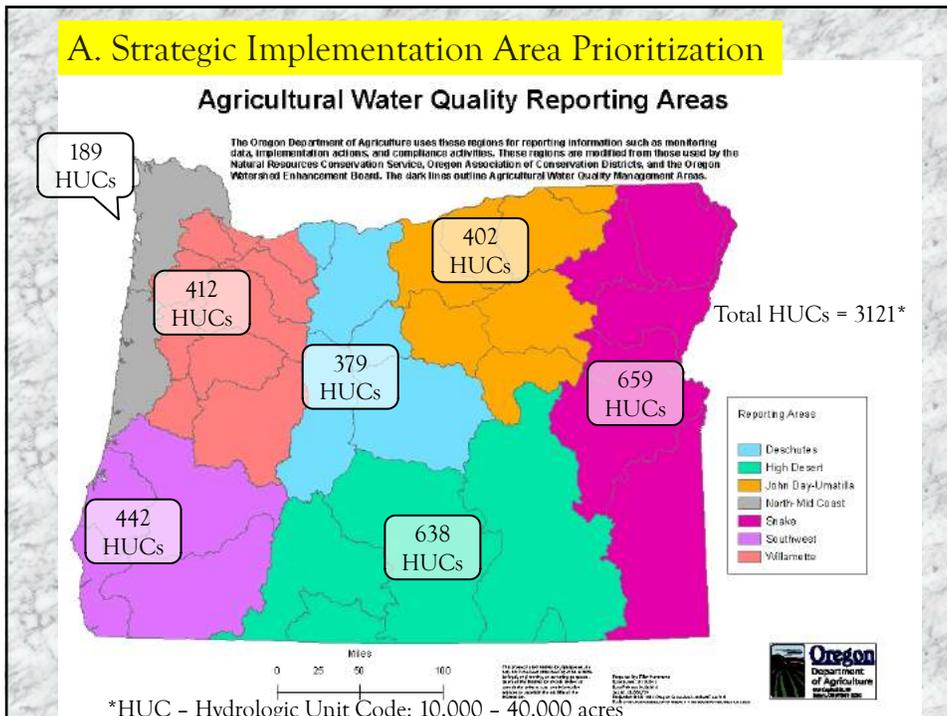
Two separate processes – need both to “tell the story”

FOCUS AREAS



A. Strategic Implementation Area Prioritization

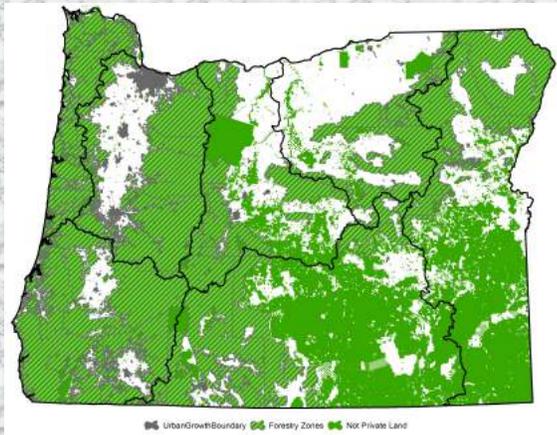
B. Compliance Evaluation



Where to Prioritize?

- Identify and remove non-Ag lands from consideration statewide
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



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). Note: For Aquatic Species of Concern to be considered the HUC must have a Water Quality Score.

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

Criteria:

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

HUCs with Ag, Water, and WQ Criteria = 1018

- Aquatic Species of Concern

Criteria: ODFW Aquatic* Species of Concern data layer.

Possible score (5)

*includes salmonid species and other non-salmonid species that are endemic to Oregon (Example: Lamprey)

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)
<hr/>	<hr/>
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						Score Range high	Average Score high
			No WQ Criteria	WQ Criteria present	Low	Med	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	

Key - "High" = Top 20% of "WQ Criteria Present"
 "Med" = 50% - 80%
 "Low" = 0 - 50%

ODFW's 6th-Field HUC Prioritization

A. Starting Point - ODFW's Prioritization for OWEB's Focused Investment Partnerships (FIP)

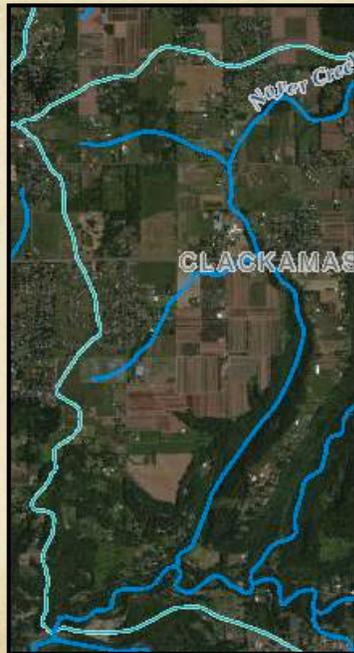
- Within those basins, **highest priority areas were fish populations identified in plans as necessary for recovery** or areas identified through other prioritization efforts.

B. Refinement of FIP prioritization for SIAs - ODFW further ranked the 6th field HUCS

- Identified spawning distribution for salmon, Steelhead, native trout, and occurrence of 16 non-salmonid *species of concern*.

C. RESULT - A list of the highest priority HUCs where on-the-ground work will best match the distribution of species of commercial, recreational and/or conservation concern within the context of conservation and recovery priorities.

B. Compliance Evaluation



Strategic Implementation Area Compliance Evaluation: (Clackamas & Wasco)

Evaluation Methods:

Publically Available Information

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

We do not go onto private land without permission



Strategic Implementation Area
Compliance Evaluation: (Clackamas & Wasco)

Threat Assessment Concern
on Agricultural lands

Categories:

- *Manure Piles
- *Bare Ground
- *Riparian Vegetation
- *Local Area Rules



Riparian Vegetation - Opportunity for Improvement

Limited potential for Improvement: Does not appear that Ag activities are not preventing vegetation from establishing.

Opportunity for Improvement –Agricultural activity may be preventing vegetation from establishing.

Potential Violation?—Citizen compliant or agricultural activity observed during field evaluation and appears to be preventing vegetation from establishing.

SPECIAL NOTE: Actual “*Compliance*” can only be determined by on-site examination

Strategic Implementation Area Process 2017-2019

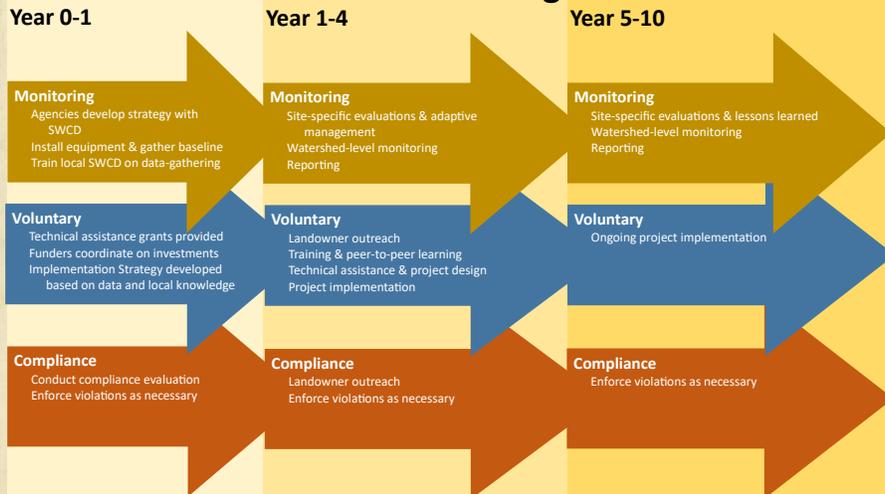
2015-2017 – OWEB provided \$1 million for “projects” inside SIAs
Restoration, erosion control, bacteria improvement etc.

2017-2019 – OWEB provides \$1.2 million for “Technical Assistance” to Districts/WSC
TA for planning, outreach, monitoring, project design, grant writing, engineering, etc.

WHY THE CHANGE?

1. To conduct conservation activities in the SIA to
 - a. Meet the goals of the Area Plan (not just compliance)
 - b. Provide TA dollars for SWCD to build quality grant requests to reach Area Plan goals
 - c. Conduct monitoring to document water quality trends
 - d. Allow ODA to conduct compliance work if necessary following extensive outreach
 - e. Identify “Legacy” issues

Coordinated Streamside Management Timeline



Strategic Implementation Area Process 2017-2019 cont.

Strategic Implementation Area Process 2017-2019

October – November 2017

- ODA meets with SWCDs to discuss prioritization and SIA location options
- ODA conducts “Compliance Evaluation”
- ODA, SWCD/WSC, ODFW, DEQ, LAC “Partner Meeting”
 - Multi-agency “mapping” tabulation
 - SWCD/WSC - local “knowledge”
 - ODFW - Habitat assessment & limiting factors
 - DEQ - Effective shade allocation if available
 - ODA - Compliance Evaluation
- OWEB makes available \$100,000 to SWCD for TA to be allocated over 4 years
- SWCD requests \$10,000 - \$30,000 for initial TA capacity funds

November/December 2017 – January 2018

1. SWCD & ODA develops SIA “outreach strategy”
2. SWCD/ODA/OWEB/ODFW/DEQ develop “monitoring strategy”
(Additional monitoring funds will be available)

January – February 2018

ODA – ODA invites ALL landowners inside SIA
to an OPEN HOUSE

March 2018 – 2022

SWCD conducts landowner outreach, applies for OWEB Open Solicitation and
Small grant funds to conduct voluntary conservation/restoration projects

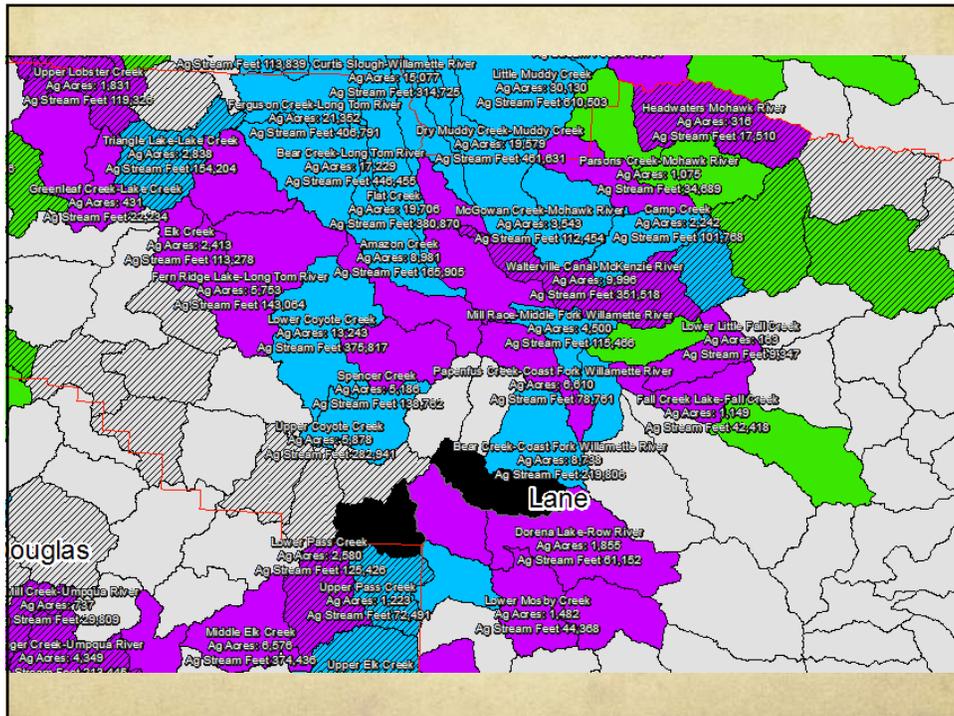
ODA conducts Streamside Vegetation Assessment

March 2019

ODA contacts “select” “Opportunities for Improvement” landowners that have
Not been in contact with the SWCD

June – August 2020

ODA re-conducts Compliance Evaluation to determine progress

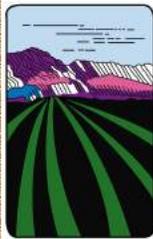


OTHER IMPORTANT NOTE:

1. NOTE - Ag Water Quality *complaints* inside the SIA will be addressed through the regular ODA compliance process
2. 2017 - 2018 SIA locations:
 1. Clatsop
 2. Curry
 3. Umatilla
 4. Upper Willamette
 5. Wasco

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Department
of Agriculture

