Oregon Department of Agriculture

AGRICULTURAL WATER QUALITY MANAGEMENT PROGRAM
AGRICULTURAL WATER QUALITY MANAGEMENT AREA
BIENNIAL REVIEW SUMMARY REPORT TO BOA & DIRECTOR
SUBMITTED BY THE LOCAL ADVISORY COMMITTEE

Management Area: Middle Deschutes

Meeting Date(s): March 6, 2018

LAC Members Present: Rob Galyen, Brad Klann, Mike Britten, Lori Campbell, Evan Thomas, Chase Duncan

Progress Measurement: Approximately half the Class 3 acreage improved to Class 2 in the last 2 years.

Mud Springs Creek Focus Area: likelihood of runoff containing sediment or *E. coli*

		Agricultural acreage (total = 14,580 acres)			
Class	**Description**	**2012**	**2015**	**2017**	**2019**
1	Agricultural properties have no potential for run-off of *E. coli* or sediment delivery to Mud Springs Creek.	5,686	5,686	5,686	
2	Agricultural activities are not likely to cause *E. coli* or sediment to enter into the stream.	6,686	7,873	8,457	
3	Agricultural activity likely causing discharges of *E. coli* and sediment delivery to the stream. This includes all agricultural tax lots, with seasonal or perennial streams or irrigation run off. If possible, agricultural use was verified through aerial photo or field analysis.	2,208	1,021	437	

Implementation Summary outside Focus Areas

Outreach and Education:

- 6 tours; 2 tours on Willow Creek with USFS and Culver High School students to learn about natural resources associated with Willow Creek. 1 tour for new pivot technology with the Hay Growers Association. 1 tour with USFS on the 2,200-acre Juniper Treatment. 1 tour with partners (Forest Service, Crooked River Watershed Council, ODA, Jefferson SWCD) on the Upper Willow Creek Watershed
- 1 Agency Plains Workshop/Meeting with landowners to discuss irrigation water improvement opportunities
- 2 Farm Fair presentations addressing riparian vegetation, irrigation water improvements, and uplands
- 10 education days at Trout Creek and Willow Creek with 600 students from Culver and Madras schools
- Contacted and provided assistance to landowners: 23 on riparian issues; 75 on irrigation water; 25 on uplands, and 6 CREP program

Planning and Projects:

- 3 landowners signed up for CREP re-enrollment in Trout Creek and Mud Springs; 1 New CREP in Trout Creek
- 1,900 ft of blackberries removed from riparian area in Campbell Creek
- Trout Creek Enhancement: 411 ft of riparian streamside reconstructed, 1.35 miles of channel reconstruction, including 42 habitat structures, 32 pool structures, and 10 riffle structures, including a 89' decked railcar bridge installed
- 5,000 trees planted with hydraulic Stinger to ensure roots into ground water Middle Trout Creek, 5,000 trees planted by hand Middle Trout Creek, 200 plants planted on Willow Creek in Spring 2017
- 455.60 acres of upland sprayed for Scotch Thistle, Knapweed, and Star Thistle; 340 acres of Medusa Head sprayed Trout Creek Watershed; Trout Creek landowners sprayed for noxious weeds on 488 acres of upland; and 18.5 acres of riparian vegetation
- 2 (2,500') ditch to pipe projects; 2 pond expansions/sealing (2 acres); 4 irrigation water management plans (200 acres)
- Treated 5,169 acres of juniper

Monitoring:

- Turbidity monitored at least once per month in Mud Springs, Trout Creek, and Campbell Creek
- Pesticide stewardship monitoring for spring and fall of 2017

Funding and Grants:

- Grants totaled over $1,463,700

Summary of Impediments:

- Need baseline data to track improvements in riparian vegetation
- Lack of funding for on farm management changes and irrigation improvements
- Lack of adequately-designed and maintained sediment catch basins

Recommendations for Modifications:

- Collect baseline riparian condition data
- SWCD to develop an outreach program to concentrate on improved designs and maintenance of sediment catch basins
- Find more funding for the improved sediment basins

DEQ Recommendations:

- No survey received

Compliance:

Letter of Compliance -0 *Water Quality Advisory -0* *Letter of Warning -0*
Notice of Noncompliance -0 *Civil Penalty -0* *Alternative Measures -0*
Total New Investigations: 0

Notes: