



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

Management Area: Sandy Subbasin			
Meeting Date(s): January 12, January 26, and March 23 of 2015			
LAC Members Present: Bob Evatt (Chair), John Bergan, Susan Fry, Dave Tobie, Deniece Tucker, Chris Winters, Len Tobias, Dianna Pope			
Progress Measurement: East Multnomah SWCD (EMSWCD) is currently developing a new method to measure streamside vegetation status and trends resulting from their StreamCare planting program. Progress will be able to be measured and reported by the next biennial review.			
Actions/Implementation Summary (February 2012 to January 2015):			
<i>Outreach and Education:</i>			
<ul style="list-style-type: none"> • 4 presentations at agricultural and community events • 6 displays, including the NW Ag Show, Sandy River Expo, and NW Christmas Tree Association annual conference • 16 demonstrations (exclusion fencing, water bars, off-channel watering, erosion control fabric) • 463 site visits • Mailings to riparian landowners to promote StreamCare • Targeted delivery of StreamCare program in Beaver Creek: <ul style="list-style-type: none"> - 175 acres in project area - 29,259 linear feet of stream - 52,078 trees/shrubs planted • 3 targeted mailings to address new issues 			
<i>Planning and Projects:</i>			
• 2,592 ft	farm road repair	25 acres	conservation cover
• 16,400 sq ft.	filter strip	1,730 sq ft	water and sediment control basins
• 20	heavy use areas	49 acres	pasture and hay land planting
• 2,900 ft	riparian fencing	840 feet	grade stabilization
• 4.5 acres	tree and shrub establishment	2.5 acres	drip irrigation
• 17	off-channel watering facilities	33 acres	conservation cover for erosion control
• 830 feet	surface drainage	1,706 feet	roof runoff management
• 3,980 feet	fence (for rotational grazing)		
<i>Monitoring:</i>			
<ul style="list-style-type: none"> • EMSWCD estimates that implementation of multiple erosion reduction practices (Heavy Use Areas, Access Roads [farm road repair], Conservation Cover, Critical Area Planting, Filter Strips, and Roof Runoff Management) in the Sandy Subbasin led to an estimated 460-ton reduction in erosion from these areas per year • EMSWCD has started collecting monitoring data at four locations in the Beaver Creek watershed to begin building baseline data in 2013. Parameters currently being monitored include: temperature, pH, total suspended solids, total dissolved solids, nitrogen, <i>E. coli</i>, phosphorus, and conductivity 			
<i>Funding and Grants:</i>			
<ul style="list-style-type: none"> • EMSWCD provided \$11,516 as 50% cost share for three water quality protection projects in the Sandy Subbasin • EMSWCD uses a portion of its tax base and ODA funding to support technical and implementation assistance in the Sandy Subbasin Management Area 			
Summary of Impediments: Insufficient financial incentives for landowners to implement conservation projects.			
Recommendations for Modifications: Additional sampling sites in the urban/rural interface to understand urban influence to water quality. More extensive DNA sampling is needed to understand the source of bacteria found in water quality samples.			
DEQ Recommendations:			
<ul style="list-style-type: none"> • Update references to the 2012 Integrated Report/303(d) List and associated impairments in Sandy Basin streams • Reference the 2012 DEQ-collected pesticide data • Include objectives to work toward achieving the bacteria TMDL allocation by reducing erosion and runoff • Include measurable objectives for the next two years based on activities and accomplishments from the past two years • Reference public drinking water sources in areas of Sandy Basin with agricultural land use • Include a milestone for attaining 100% compliance with Area Rules • Consider adopting erosion rule to reduce and prevent sedimentation and reduce pesticide concentrations in Beaver Creek 			
Compliance:	<i>Letter of Compliance -4</i>	<i>Water Quality Advisory -2</i>	<i>Letter of Warning -0</i>
	<i>Notice of Noncompliance -0</i>	<i>Civil Penalty -0</i>	<i>Alternative Measures -0</i>
Total Complaints/Notifications: 4			
Notes:			