



ANNUAL NPDES PHASE II REPORT FOR FISCAL YEAR 2013

FOR THE COMMUNITIES OF:



ROGUE VALLEY SEWER SERVICES

Location: 138 West Vilas Road, Central Point, OR - Mailing Address: P.O. Box 3130, Central Point, OR 7502-0005
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October 16, 2013

Oregon Department of Environmental Quality
Attn: Benjamin Benninghoff
Municipal (MS4) Stormwater Coordinator
811 SW Sixth Ave.
Portland, OR 97204

Re: Phase II & 1200C Annual Report from Rogue Valley Sewer Services

NPDES Phase II Permit

Rogue Valley Sewer Services (RVSS) entered into agreements with the cities of Central Point, Phoenix and Talent and with Jackson County (known as RVSS Phase II Communities) to manage stormwater quality under the NPDES Phase II permit, received February 25, 2007. Under the agreement with the RVSS Phase II Communities, RVSS will hold the NPDES Phase II Permit and be responsible for stormwater *quality*, while the cities and county will retain responsibility for stormwater *quantity* issues. RVSS has accomplished all of the activities scheduled for FY 2013 of the Stormwater Management Plan and has exceeded the permit requirements by implementing additional measures detailed in the Annual Report and the Program-at-a-Glance.

1200C Permits

On September 1, 2006, RVSS became a DEQ Agent responsible for issuing, inspecting and enforcing the 1200C permits for the RVSS Phase II Communities. In 2011, RVSS met with DEQ to assist in the rewrite of the 1200C Permit. The new 1200C Permit allows RVSS to issue its own permit for disturbances between 1 and 5 acres, now known as the 1200CN, or locally as the RVSS Construction Permit. When RVSS took over the 1200C Permits it was apparent that permit holders were not meeting 1200C permit requirements and, in fact, did not know how to properly install and maintain erosion and sediment control BMP's. Not only has RVSS taken over the responsibilities of the 1200C Permit, it has exceeded the permit requirements by implementing additional measures to improve compliance with the permits. These measures are described in more detail in the enclosed Annual Report and in the Program-at-a-Glance spreadsheet.

Conclusion

Over the last six years, RVSS Phase II Communities have made exceptional progress in the implementation of the NPDES Phase II Permit and the management of the 1200C Permits. This exceptional progress was recognized in 2007 when RVSS received the "2007 Outstanding Member Agency Award" from ACWA. In 2008, RVSS was awarded first place in EPA's Clean Waters Act Awards Program. If you have any questions or suggestions to improve our programs, please contact Jennie Morgan, Stormwater Program Coordinator, at jmorgan@rvss.us or Wade Denny, District Engineer, at wdenny@rvss.us.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Jennie Morgan, PhD
Stormwater Program Coordinator

cc: City of Central Point
City of Phoenix
City of Talent
Jackson County
RVCOG

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ANNUAL REPORT

NPDES PHASE II PERMIT Number 102899 AND 1200C PERMITS for FISCAL YEAR 2013

Cities of Central Point, Phoenix, Talent and portions of Jackson County

NPDES PHASE II PERMIT BACKGROUND

Rogue Valley Sewer Services (RVSS) entered into an agreement with the cities of Central Point, Phoenix and Talent and with Jackson County (known as the RVSS Phase II Communities) to manage the NPDES Phase II permit in 2006. The program consists of six key measures: Public Education and Outreach; Public Involvement and Participation; Illicit Discharge Detection and Elimination; Construction Site Stormwater Runoff Control; Post-Construction Stormwater Management; and Pollution Prevention in Municipal Operations. The existing permit, number 102899, expired on January 31, 2012, prior to which RVSS submitted an application for renewal on June 27, 2011. However, no new permit has been issued, thus RVSS is continuing to run its NPDES program under the expired permit. This annual report follows the original Stormwater Management Program from 2004. All minimum control measures listed as a part of the original permit were continued in FY 2013. In addition, although the permit for renewal has not been approved, RVSS has begun some new minimum control measures described in the renewal application, and plans to continue these in FY 2014 (see section B.2.c).

SCHEDULE B, 2.0 ANNUAL REPORTING REQUIREMENTS

B.2.a Status of Compliance with permit conditions

RVSS has initiated effectiveness assessments in conformance with the Phase II Program Effectiveness Guidance received from DEQ. Effectiveness assessment was initiated by RVSS to help develop and implement a successful stormwater program. RVSS is following the California Stormwater Quality Association (CASQA) guidance document titled "Municipal Stormwater Program Effectiveness Assessment Guidance" and the "Program Effectiveness Strategy" from DEQ. A measurable goals/effectiveness category is used in the "Program at a Glance" spreadsheet to assess progress on the Phase II Program and the 1200C Permit. RVSS concludes that RVSS' Phase II Program and 1200C Permit are in compliance, appropriate and progressing toward achieving their measurable goals.

For a detailed report of RVSS BMP's and their effectiveness assessment, see the "Program-at-a-Glance" spreadsheet and for documentation of RVSS' activities see Appendix A. Major accomplishments for FY 2013 are listed below.

- Created a public survey and new educational materials on Low Impact Development, which were piloted at Central Point's Battle of the Bones festival. Collected surveys from 150+ residents the data from which will be used in a statewide analysis (see Major Goal 1 below).

- Worked with the Rogue Basin Coordinating Council to organize and host a high school video contest in which students create videos on water quality topics. The objective was to promote education and understanding of water quality in the Rogue River and its tributaries.
- Developed, and began implementation of, a dry-season illicit discharge monitoring program to identify and eliminate illicit discharges from flowing stormwater outfalls. Outfalls on Wagner Creek in Talent were sampled and analyzed for *E. coli* content.
- Revamped the Erosion and Sediment Control Inspector training and added a field portion in which attendees are tested on proper installation and maintenance of BMPs. Knowledge gained is assessed with pre and post-tests.
- RVSS was a significant contributor to the development of the new Association of Clean Water Agencies (ACWA) Construction Site Stormwater Guide and will be distributing this guide at all our future Erosion and Sediment Control Inspector Trainings, as well as in the field.
- In the Post-Construction SW Quality portion of the program, RVSS began enforcing the requirement that a Stormwater Operation and Maintenance Agreement be signed and recorded for each project that falls under the purview of the Rogue Valley Stormwater Design Manual. RVSS also worked with Phase II communities to stream line the review and acceptance, upon successful installation, of Stormwater Quality features.

B.2.b Information Collected and Analyzed

The Erosion and Sediment Control classes held in FY 2013 helped to increase contractor, municipal staff and engineer knowledge of the NPDES program, 1200C and 1200CN requirements, and appropriate ESC BMPs. Pre and post-testing was used to assess the effectiveness of the classes, which showed 25 and 27% increases in knowledge based on pre and post-test scores.

RVSS began dry-season sampling of stormwater outfalls discharging into Wagner Creek in Talent. Samples were collected from flowing outfalls and analyzed for *E. coli* concentrations. Samples with concentrations over the single sample standard of 406cfu/ml were sent to a lab for caffeine analysis, however no detectable caffeine was present, indicating a lack of human waste in the creek.

B.2.c Major Goals for FY 2014

- The ACWA Stormwater committee has contracted with DHM to analyze existing public survey data and inform permitted communities of knowledge gaps. RVSS provided data from southern Oregon and will assist with review and editing of the report.
- Hold a Low Impact Development Training for engineers and architects in southern Oregon.

- Continue the dry-season illicit discharge monitoring program aimed at identifying hotspots. Flowing outfalls in Jackson and Griffin Creeks in Central Point were sampled for *E. coli* during the FY2014 dry season.
- Implement the newly developed stormwater quality structure sampling program to assess the effectiveness of manufactured stormwater quality structures at removing sediment, oil and grease from stormwater runoff. Stormwater sampling will be conducted throughout the year using automated samplers.
- Continue to work with the SWAT to revise the Design Manual; to expand LID applicability to hydrologic soil groups C and D and to incorporate example LID details.
- RVSS will be developing a Standard Operating Procedure for inspecting post-construction stormwater quality features, both manufactured and LID BMPs, to ensure they are properly installed, and will also develop maintenance standards for LID features.
- RVSS is restoring and enhancing an existing stormwater wetland in the City of Talent that has filled with sediment and vegetation over the years such that it causes street flooding and no longer functions effectively for stormwater quality improvement.

B.2.d. Changes to the SWMP

No changes to the BMPs or measurable goals outlined in the 2004 SWMP were undertaken in FY 2013. However, some minimum control measure programs described in the renewal application were started.

B.2.e. Annexations

Jackson County and Talent & Phoenix have not annexed any area during FY 2013. The City of Central Point annexed 6.85 acres, as well as public rights-of-way of streets located within the urban renewal boundary, these areas are now within the bounds of the NPDES Phase II program.

B.2.f Reliance on other government entities to satisfy some permit obligations

The cities and county hold Intergovernmental Agreements (IGA) with RVSS that specify that the cities and county are responsible for implementing, monitoring and providing documentation to RVSS for the Pollution Prevention in Municipal Operations portion of the permit. Annual reports from the cities to RVSS are included in Appendix B. In addition, RVSS contracts with RVCOG for some of the public education elements of the Stormwater Management Plan, see Appendix C for a detailed report of their activities.

In 2012, Central Point requested a modified IGA with RVSS reducing the amount of compensation provided to RVSS, as a result of the decreased compensation, responsibility for stormwater quality capital improvements has been transferred from RVSS to the City.

B.2.g Number and Nature of Enforcement Actions

RVSS Phase II Communities have developed and implemented measures to ensure compliance with the Phase II Permit. Over the last five years, RVSS has focused its

efforts on developing, adopting and implementing ordinances, implementing and updating the stormwater quality design manual, adapting education programs, providing brochures, and adapting an enforcement strategy for issuing stop work orders and/or monetary penalties. The number and nature of enforcement actions in FY 2013 are:

- RVSS issued 11 Brown Tags and two Notices of Non-Compliance with fines for construction sites that failed to comply with the Erosion and Sediment Control ordinance.
 - February 2, 2013, a fine of \$500.00 was assessed against Bob Fellows Construction for Non-compliance with Rogue Valley Sewer Services Code 4.05. This fine was dropped in lieu of vacuuming out all sediment from the storm drain line.
 - April 3, 2013, a fine of \$250.00 was assessed against Bob Fellows Construction for Non-compliance with Rogue Valley Sewer Services Code 4.05
- Four hotline calls were received for illicit discharges within RVSS' MS4 boundaries. RVSS worked with the responsible parties to achieve resolution.
- Three calls were received on RVSS' hotline for illicit discharges outside our MS4 boundaries, two of which were referred to DEQ and one to Medford for resolution.
- The Fats, Oils and Grease (FOG) program was put on hold this year as RVSS underwent an investigation by the Building Codes division, inspections and enforcement will resume in FY 2014.

1200C and 1200CN PERMITS

On September 1, 2006, RVSS became a DEQ Agent responsible for issuing, inspecting and enforcing the 1200C permits in RVSS Phase II Communities. In 2011, RVSS met with DEQ to assist in the rewrite of the 1200C Permit. The new 1200C Permit allows RVSS to issue its own permit for disturbances between 1 and 5 acres, now known as the 1200CN, or locally as the RVSS Construction Permit. The vast majority of projects in RVSS' Phase II boundary are individual developments under one acre in size, therefore RVSS does not issue many 1200CN permits. See Appendix A, Section 5.0 for a list of current and terminated 1200C and CN permits in FY 2013.

Not only has RVSS taken over the responsibilities of the 1200C Permit, it has exceeded the permit requirements by implementing additional measures, shown below, which have significantly improved compliance with the 1200C and CN Permits:

Major Accomplishments for FY 13

- Strongly encouraged the designated Erosion and Sediment Control Inspector or Engineer to take more responsibility for meeting the 1200C requirements.
- Participated through the Association of Clean Water Agencies (ACWA) in the development and review of a state wide Stormwater Construction Site Field Guide that describes and illustrates ESC BMPs.
- Revamped the Erosion and Sediment Control Inspector Training to include hands on installation of BMPs.
- Used adaptive management to establish enforcement mechanisms through inspections, issuing Brown Tags, Stop Work Orders and Notices of Non-Compliance, some with monetary fines.

Major Goals for FY 14

- Work with Jackson County and the City of Phoenix to overcome hurdles to issuance of small site permits for construction projects less than one acre. Under RVSS' 1200CN these permits are to be issued by the cities and county, however Jackson County and the City of Phoenix are no longer issuing them. The cities of Talent and Central Point continue to issue them for all small site construction projects.

3.0 Conclusion

RVSS Phase II Communities have again made exceptional progress in the implementation of the NPDES Phase II Permit and the management of the 1200C Permits. DEQ did not provide review or input into the effectiveness of RVSS' program in Fiscal Year 2012, however RVSS has continued to work toward increasing the effectiveness of the BMPS outlined in the existing Stormwater Management Plan. The attached Program-at-Glance describes RVSS' Programs in more detail. As backup for this annual report, RVSS has detailed documentation for meetings attended, presentations given, Operations and Maintenance activities, a 1200C database, enforcement database, etc. Any of this information, can be made available to DEQ upon request.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
1.0 Fiscal Analysis	Secure the financial resources	RVSS Manager	Stormwater Utility Fee to cover RVSS efforts to manage NPDES program	Provide Stormwater Utility Fund revenues and expenditures in each Annual Report. Level 1 – meets funding requirement Level 2 – funds allow changes to happen thru program Level 3 – program changes behavior	Yes/Levels 1,2,3	FY 13 - Revenues and expenses for SW Utility Fund: Total revenues of \$237,060 compared to expenses of \$164,671. Does not include staff time & expenditures by Ph II Communities. FY 14 – Adopted budget includes revenues and expenses for SW Utility Fund. Total projected revenues of \$228,500 compared to anticipated expenses of \$364,100. RVSS has been fiscally prudent with the SW revenue, thus savings from past years will allow us to undertake a capital improvement project in 2014. Does not include staff time and other expenditures provided by RVSS Phase II Communities.
2.1 Public Education	Develop a Stormwater Education and Outreach Strategy (2.3.1)	Stormwater Advisory Team (SWAT) Including Cities of Medford and Ashland	Develop 5 year Strategy.	SWAT to meet at least quarterly to determine the effectiveness of program. Make any changes when needed. Level 1 – conduct & document meetings Level 2 – raise Phase II communities’ awareness of program Level 3 – RVSS Phase II communities changed behaviors by developing a SWQ Strategy, changed behaviors in entire watershed by continuing SWAT meetings to get consensus, using Design Manual and having other non-Phase II cities asking about our program. Many of these cities are considering adopting portions of the SWQ Program.	Yes/Levels 1,2,3	FY 13 – Quarterly SWAT meetings were held this year at which creation of a Public service announcement, to be aired on network television, was discussed. In addition, RVSS proposed working with a local non-profit to conduct the proposed public survey on stormwater issues; this effort was stopped when ACWA initiated a state-wide study of existing public data on SW issues, RVSS has bought into this study. FY 14 – Continue quarterly SWAT meetings to continue to discuss SW issues. RVSS is planning to host a technical workshop for engineers and architects on LID design and implementation
2.2 Public Education	Stormwater Brochure for the General Public (2.3.2)	RVSS Stormwater Program Coordinator	Develop Stormwater Brochure for regional cities	Development and distribution of SWQ Brochure and discuss SWQ issues in RVSS Newsletter. Make any changes when needed. Level 1 – develop & document brochures, newsletters and news/magazine articles Level 2 – change attitudes, knowledge & awareness Level 3 – change behaviors	Yes/Levels 1, 2, 3 RVSS’ hotline calls and investigations over the years: 2008 = 6, 2009 = 15, 2010 = 14, 2011 = 20, and in 2012 = 13 2013 = 7	FY 13 – <ul style="list-style-type: none"> Approximately 1465 brochures (see 2.3 below) were printed and distributed within RVSS Phase II Communities in 2013, of which one brochure is a general brochure on stormwater management. Central Pt Issued quarterly newsletters with articles on stormwater to Central Pt households. <p>The reduction in hotline calls we hope is a reflection of successful education efforts and fewer issues in the area.</p> <p>FY 14 - Continue to update and distribute brochures, and issue newsletters when possible.</p>

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
2.3 Public Education	Targeted Stormwater Brochures (2.3.3)	RVSS Stormwater Program Coordinator in coordination with RVCOG	<p>Determine targeted groups through SWAT</p> <p>Develop brochures for erosion control (see Section 5.6) and targeted brochures for homeowners describing development requirements.</p> 	<p>Develop erosion control brochure and include in all building permits by Year 3. SWAT agreed to create brochures for additional targeted groups.</p> <p>Level 1 – document brochures produced Level 2 – raise Phase II communities’ awareness of program Level 3 – RVSS Phase II communities change behaviors with targeted brochures, building permits, letters and presentations</p>	Yes/Levels 1,2,3	<p>FY13 - RVSS and RVCOG distributed 1,200 of the following brochures that include hotline numbers within the RVSS Phase II Communities:</p> <ul style="list-style-type: none"> • Stormwater Management: 200 • Erosion and Sediment Prevention • Stream and Wetland Enhancement Guide:100 • Taking care of streams in Jackson County: 247 • Painting Without Polluting: 100 • Creeks and Concrete Don’t Mix:120 • Oil and Stormwater: 4 • Yard Card at Home: 490 • RVSS talked with as well as sent letters and brochures to residents and contractors as needed. <p>FY 14 – Continue to update and distribute brochures. Aim to target distribution of landscaping brochure from 2012 (<i>Yard Care at Home: Sometimes Less is More</i>) at riparian landowners within the Phase II area.</p>
2.4 Public Education	Storm Drain Stenciling (2.3.4)	RVSS will coordinate efforts with RVSS Phase II Communities	<p>RVSS will ensure the development of a program for storm drain inlet stenciling, inspections, and maintenance</p> <p>Require all new developments to mark storm drains for no dumping.</p>	<ul style="list-style-type: none"> • Develop program to complete by end of permit term using staff and volunteers by stenciling 20% each Year. Contact volunteer organization(s); provide locations and materials for marking catch basins. • Develop ordinance requiring storm drains to be marked when constructed. • Check drains to ensure all are marked at end of permit period. <p>Level 1 – document number of markers installed and develop ordinance Level 2 – raise Phase II communities’ awareness not to dump in storm drain Level 3 – Phase II communities adopt maintenance plan for markers</p>	Yes/Levels 1,2,3	<p>FY 13 – RVSS Ph II communities, Medford and Ashland have developed ordinances and/or are conditioning projects to require new developments to mark drains. Approximate estimate of percent completed: CP 100%, Phoenix 100%, Talent 100%, and Jackson County 100%.</p> <p>FY 14 – RVSS Ph II communities will maintain storm drain markers; any missing or damaged markers will be replaced.</p>
2.5 Public Education	Promote Water Quality Education with School Districts (2.3.5)	RVSS Stormwater Program Coordinator will coordinate and promote through SWAT.	Work with local organizations and school districts to develop a water quality education program. Use Rogue Valley Regional NPDES Phase II Stormwater Program Guide.	<p>Contact all school districts within the Phase II boundary. Goals will be based on approach chosen to assist educators.</p> <p>Level 1 – conduct & document activities Level 2 – raise Phase II communities’ awareness of program/pollutants Level 3 – documentation of increased awareness</p>	Yes/Levels 1,2, 3 Pre and post-tests showed 33% increase in knowledge.	<p>FY 13 –</p> <ul style="list-style-type: none"> • RVCOG administered a Salmon Watch and Streamwise program for 15 classes reaching a total of 600 students in Jackson County. RVSS used its watershed model at the Bear Creek Watershed Education Partners (BCWEP) Symposium. • RVSS tabled and gave a curtain call discussion on stormwater at a Phoenix High School play. RVCOG also tabled and gave curtain call discussions on a different night. Estimated 250 attendees reached. • RVSS worked with the Rogue Basin Coordinating Council to hold a high school video contest on water quality issues as an educational opportunity. • RVCOG and other partners had many displays, presentations and educational activities throughout the year, see Appendix B. <p>FY 14 – Continue to conduct classroom activities in partnership with BCWEP, RVCOG and others when requested. Continue to demonstrate and/or loan watershed model at events.</p>

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
2.6 Public Education	Work with Volunteer Groups on Stormwater Education Projects (2.3.6)	RVSS Stormwater Program Coordinator	RVSS will work with volunteer groups in the Phase II communities to discuss opportunities for education projects.	Assist volunteer groups contacting SWAT. Contact at least 5 volunteer organizations to discuss and promote SWQ education. Same as 2.5	Yes/Levels 1,2	FY 13 – <ul style="list-style-type: none"> RVCOG worked with the Jobs council to conduct riparian restoration and discussed water quality as well as scout groups, and the Bear Creek Watershed Education Partners to work on stormwater management and water quality issues, as documented in RVCOG's SW Activities Report. RVSS is heavily involved with the Bear Creek Watershed Council and supports and coordinates with the council on all stormwater related public education activities. In FY13, RVSS collaborated with the Rogue Basin Coordinating Council to conduct a video contest for high school students on water quality issues. FY 14 – Continue to meet with BCWC & BCWEP for education opportunities and other volunteer groups to continue to determine the best education approach for stormwater quality.
2.7 Public Education	Develop a Stormwater Speakers Bureau (2.3.7)	SWAT Members	Stormwater Presentation in the RVSS Phase II Communities	Keep records of stormwater presentations including number of attendees or number of times program is presented. Same as 2.5	Yes/Levels 1,2	FY 13 - <ul style="list-style-type: none"> RVSS gave presentations on the Phase II program at Talent and Phoenix City Council meetings and the Bear Creek TMDL meeting and received input on the program. RVCOG either hosted presenters or gave presentations on stormwater topics at least eight times to 126 professionals in the Phase II area. FY 14 – <ul style="list-style-type: none"> Rotate leadership of SWAT meeting between RVSS, Medford & Ashland. Continue to present stormwater quality presentations as needed. Continue to conduct new Designated Erosion and Sediment Control Inspectors Class for the new RVSS Construction Permit and renewed 1200C permit. SWAT, RVCOG and other Phase II communities will give stormwater quality presentations in the local area upon request.
2.8 Public Education	Create Stormwater Public Service Announcements (PSA's) (Optional 2.3.8)	None assigned.	PSA's	Not required, but will record any that occur each year. Same as 2.2	Yes/Levels 1,2,3	FY 13 – "Clean Creeks Start at Home" article featured in November 24th, 2012 Mail Tribune. RVCOG was interviewed for the article which focused on managing stormwater runoff emphasizing what you can do at home (e.g., Yard Care, Maintaining Cars, Picking up After your Pets, Rain Barrels, etc.). FY 14 – Look for opportunities to send out news releases, newsletter or other PSA's such as RVSS' Newsletter with articles on Phase II program and 1200C Permit.
2.9 Public Education	Design a Stormwater Display (2.3.9)	RVSS Stormwater Program Coordinator	Develop displays on stormwater education and exhibit them.	RVCOG and Cities have displays of SWQ materials Same as 2.2	Yes/Levels 1,2,3	FY 13 – RVSS designed a new display this year on Low impact development techniques that was exhibited at a community festival in Central Point. 62% of surveyed individuals know that SW flows directly to creeks. RVSS also supported the Bear Creek Watershed Council's education programs Kids and Bugs and their salmon education booth at Earth Day. FY 14 – Continue displays and demonstrate educational model at community events.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
2.10 Public Education	Create Stormwater Website (2.3.10)	RVSS Stormwater Program Coordinator	Coordinate with other Phase II Cities to include information on SWQ on web pages.	RVSS to improve website in FY 09 with links to SWQ information for Ph II communities and include 1200C permit information. Hotline numbers seem to be working as RVSS receives more calls for stormwater violations. Same as 2.2	Yes/Levels 1,2,3	FY 13 – RVSS stormwater website is active and contains information on the Phase II program, 1200C permit program, and stormwater design manual. Erosion control class notices are posted on the website. FY 14 – RVSS plans to continue to update RVSS’ website for stormwater information as needed. RVSS will work with Phase II communities to provide more stormwater content on their webpages and/or link to the RVSS webpage. Continue to use hotline numbers for Phase II communities to report spills or other SWQ issues.
3.1 Public Involvement	Public Review /Public Meetings (3.3.1)	RVSS Stormwater Program Coordinator	Encourage public involvement and participation in stormwater quality activities.	Hold at least one public meeting and publish two public notices on stormwater related issues yearly Same as 2.1 & 2.2	Yes/Levels 1,2,3	FY 13 – RVSS attended quarterly and monthly meetings of BCWC, Bear Creek TMDL, Rogue Basin TMDL and ACWA Stormwater Committee, all of which are open to the public, at which RVSS discussed their stormwater program and any proposed changes. Public notices were published as noted in 2.8. FY 14 – Continue to participate in public meetings. RVSS plans to organize a public tour of LID facilities in the area.
3.2 Public Involvement	Distribute News Releases (3.3.2)	RVSS Manager	Issue news articles on stormwater quality related issues	Issue news release story on Stormwater Same as 2.1 & 2.2 also RVSS’ program recognized by EPA	Yes/Levels 1,2,3	FY 13 – Same as 2.8 above. FY 14 - RVSS expects to issue a newsletter explaining the renewed Ph II program, when that occurs.
3.3 Public Involvement	Stormwater Advisory Team (3.3.3)	SWAT Members	Stormwater advisory panel consisting of key staff from each Phase II community to coordinate regional efforts	Dates and attendance records of quarterly meetings including topics discussed and key decisions. Same as 2.2	Yes/Levels 1,2,3	FY 13 - Meetings were held 7/18/12, 10/18/12, 1/17/13, 4/16/13 and were attended by six to 10 people including representatives from the cities of Medford, Ashland, Central Pt, Eagle Pt, Phoenix, Talent, Rogue River, Gold Hill and Jackson County. A primary topic was RVSS’ proposed requirement for covering dumpster areas at establishments with grease interceptors in order to reduce illicit discharge. Central Point elected not to support this and the remaining Ph II communities said they would go ahead and enforce it at the city level. FY 14 - Continue SWAT meetings at least quarterly to continue regional approach including cities of Medford, Ashland, and Eagle Pt and invite Grants Pass and other cities in local area. Rotate chairmanship of meetings.
4.1 Illicit Discharge Program	Storm Sewer System Map (4.3.1)	RVSS Manager	Create a storm sewer system map showing all known storm drain outfalls to receiving water. Adaptive Management - Expand maps as funds available to include catch basins and areas protected by SWQ features.	Map and field-verify the location of all known storm drain outfalls to receiving waters. Adaptive Management - Expand storm system maps in all Phase II Community areas to include catch basins and protected areas. Update as funds available. Level 1 – develop stormwater facility maps, document number of stormwater facilities, and material removed Level 2 – raise Phase II communities’ awareness by using maps for education Level 3 – implement inspection and maintenance schedule	Yes/Levels 1,2,3,	FY 13 - RVSS Phase II Communities have met this measurable goal. Adaptive Management - RVSS Ph II communities will continue to update storm sewer maps when funds are available. Jackson County has many areas that do not have underground pipes but road side ditches. FY 14 – RVSS Ph II communities will continue to update storm sewer maps when funds are available. RVSS will continue to document the locations of newly installed stormwater quality features and the amount of trash and sediment removed from stormwater quality features maintained by RVSS.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
4.2 Illicit Discharge Program	Ordinance to Prohibit Non-Stormwater Discharges (4.3.2)	RVSS Manager	Develop and adopt Stormwater Ordinance to prohibit non-stormwater discharges.	Adopt ordinance and continue to monitor for any revisions needed to prohibit Non-Stormwater discharges. Level 1 – adopted ordinance Level 2 – raise Phase II communities’ awareness when responding to questions about the ordinance Level 3 – Behavior change or BMP implementation when ordinance is enforced	Yes/Levels 1,2,3	FY 13 - RVSS continues to implement RVSS’ Stormwater Ordinance through education, notices, stop work orders and monetary penalties for illicit discharges. RVSS proposed to the SWAT a requirement be developed for covering dumpster areas at establishments with grease interceptors in order to reduce illicit discharge. An ordinance was drafted but was dropped when Central Point declined to adopt it. FY 14 - Continue to implement ordinance and monitor for any revisions needed.
4.3 Illicit Discharge Program	Detect and Address Non-Stormwater Discharges (4.3.3)	RVSS Stormwater Program Coordinator	Develop Illicit discharge plan per Regional Guide and include in Ordinance. Jackson County, Talent and Central Point have no formal illicit detection plan	Develop and implement Illicit Discharge Program including the following: <ul style="list-style-type: none"> • Identify priority areas • Field assessment activities • Routine schedule of inspections • Characterize discharges found • Procedures to trace discharge • Procedures to remove discharge Level 1 – Illicit Discharge Plan and FOG Plan developed Level 2 – Plan allows changes to happen Level 3 – Program changes behavior	Yes/Levels 1,2,3	FY 13 –Continued to implement the Fats, Oils and Grease (FOG) program for a total of 252 businesses, as documented in the RVSS Fats, Oils and Grease Inspection Program Overview. Seven hotline calls were received and investigated of which four were resolved by RVSS, one was referred to Medford, and two were sent to DEQ as they were located outside RVSS’ Phase II boundaries. FY 14 – Continue to implement FOG, Spill Response and IDDE Programs with revisions as needed for RVSS Phase II Communities. Continue documentation and inspection of stormwater quality features. Work with RVCOG, cities and county to better utilize their employees for inspection and documentation.
4.4 Illicit Discharge Program	Conduct Field Inspections (4.3.4)	RVSS Stormwater Program Coordinator	Conduct field inspections in accordance with Illicit Discharge Plan in 4.3	Inspect each outfall on a three-year rotation and take appropriate action when illicit discharge is found. Level 1 – document inspections Level 2 – raise Phase II communities’ awareness about the storm system Level 3 – require cleanup of discharge Level 4 – pollutants reduced with IDDE monitoring plan	Yes/Levels 1,2,3,4	FY 13 – RVSS designed and began implementation of a dry season monitoring plan for stormwater outfalls. Flowing outfalls along Wagner Creek in Talent were sampled for <i>E. coli</i> . Samples with <i>E. coli</i> concentrations over the single sample standard were analyzed for caffeine content to determine whether human sewage was an issue, samples were all non-detect for caffeine. FY 14 – RVSS will continue dry-season sampling of stormwater outfalls, throughout our MS4 area. RVSS Phase II Communities will also continue to inspect outfalls for illicit discharges during maintenance activities.
4.5 Illicit Discharge Program	Spill Response Plan (4.3.5)	RVSS Manager	Develop, implement and enforce a spill response plan.	Adopt Regional Spill Response Plan. Adaptive Management - include equipping RVSS vehicles with spill control equipment and teaching maintenance crew how and when to use the kits. Level 1 – document inspections Level 2 – raise Phase II communities’ awareness not to dump in storm drain Level 3 – require cleanup of discharges Level 4 – pollutants reduced with stormwater quality features	Yes/Levels 1,2,3,4	FY 13 – RVSS Phase II communities have met this measurable goal. RVSS revised and updated its Spill Response Plan to reflect changes in DEQ reporting methods. FY 14 – Continue to implement spill response plan and continue to respond to hotline calls for spills. Continue to strongly encourage other agencies and contractors to supply spill kits for vehicles and encourage spill kits in private vehicles.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
4.6 Illicit Discharge Program	Plan for Enforcement Actions (4.3.6)	RVSS Manager	Develop or revise current ordinance to prohibit illicit discharges including addressing enforcement actions and spill responses	Adopt and implement ordinance for illicit discharges. Same as 4.5 	Yes/Levels 1,2,3	FY 13 – RVSS Phase II Communities have met this measurable goal. Adaptive Management - Implemented and enforcing ordinance. RVSS has focused on education to remind citizens that any spill goes directly to the local creeks and RVSS now has the responsibility to enforce. RVSS will continue to follow enforcement policy of education, notices and then monetary fines for violations that cause pollutants to enter the stormwater system. Two fines were issued for illicit discharge to the stormwater system. FY 14- Continue to implement and enforce ordinance including issuing fines when pollutants enter stormwater system and responding to hotline calls.
4.7 Illicit Discharge Program	Train Municipal Staff on Spill and Illicit Discharge BMPs (4.3.7)	RVSS Manager	Train municipal staff on proper BMPs and illicit discharge detection and removal. Train any new staff.	Record number of hours of training for staff Same as 4.5	Yes/Levels 1,2,3	FY 13 – Two employees from Central Point and three from RVSS earned Certified Erosion and Sediment Control Lead credentials for a total of 30 hours of training, which included spill prevention training. No other formal trainings were provided in 2013 however, municipal staff were trained in previous years. FY 14 – Continue to train Phase II personnel in spill and illicit discharge prevention and BMPs. RVSS expects to host webcasts for local engineers and contractors as appropriate.
5.1 Construction Site Program	Adopt an Erosion and Sediment Control Ordinance (5.3.1)	RVSS Manager	Adopt ESC Ordinance in 4.2 that will include requirements for projects disturbing at least 1 acre.	Adopt Design Manual by Dec 2005 and Ordinance by June 2006. Reviewed RVSS Phase II Communities ordinance for conflicts to RVSS Ord. RVSS will be DEQ's agent responsible for permit reviews, inspections, and enforcement. Level 1 – document permits, inspections & enforcement Level 2 – raise awareness at construction site not to dump in storm drain Level 3 – require cleanup of discharges and enforce fines Level 4 – pollutants reduced through BMP installation and maintenance	Yes/Levels 1,2,3,4	FY 13 –RVSS became DEQ's Agent on September 1, 2006 responsible for reviewing, issuing and enforcing DEQ 1200C permits, requiring pre-construction meetings, inspecting sites, issuing notices for violations, other enforcement actions and approving termination. Subsection 4.05.110 of the stormwater ordinance was amended in 2011 to include RVSS' issuance of 1200CN permits for sites between one and five acres. FY 14- Continue to manage 1200CN and 1200C Permits, enforce Stormwater Ordinance, track permits and adapt ordinance as needed.
5.2 Construction Site Program	Train Plan Reviewers and Field Inspectors (5.3.2)	RVSS Stormwater Program Coordinator and DEQ/RVCOG	Train staff responsible for reviewing plans and inspecting construction.	Document and report the number of hours spent on training. Level 1 – document permits, inspections & enforcement Level 2 – require a certified erosion control inspector for every project Level 3 – require cleanup of discharges and enforce fines Level 4 – pollutants reduced	Yes/Levels 1,2,3,4 Knowledge level raised through classes based on pre-test scores of 69% and post-test scores of 94%.	FY 13 – RVSS revised its erosion and sediment control inspector classes to include field installation of BMPs. Two classes were held on 12-13-12 and 5-9-2013 and were attended by 40 contractors, engineers and government employees for a total of 240 training hours. RVSS inspectors also provided additional training to contractors in the field because many contractors & home builders do not have a good understanding of erosion and sediment controls for construction projects and will not take time to attend classes offered. Two employees from Central Point and three from RVSS earned Certified Erosion and Sediment Control Lead credentials for a total of 30 hours of training. FY 14 - Continue education of contractors, engineers and municipal staff. Issue new erosion and sediment control field guide in class and as needed in the field.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
5.3 Construction Site Program	Review Site Plans for Erosion and Sediment Controls. (5.3.3)	DEQ for first two years then RVSS Manager	Review plans for proper use of ESC BMP's and post construction ESC. Review plans to ensure they are in compliance with local ordinances and SW Design Manual.	Review plans to ensure they are in compliance with local ordinances including SW Design Manual and issue permits. Monitor the number of permit reviews. Adaptive Management - RVSS to become DEQ's agent to provide review, inspection and enforcement. Level 1 – adopt ord. & document reviews Level 2 – raise builders' awareness not to dump in storm drain Level 3 – require cleanup of discharges Level 4 – pollutants reduced	Yes/Levels 1,2,3,4	FY 13 – RVSS became DEQ's Agent on September 1, 2006 and continues to review erosion and sediment control plans prior to issuing the RVSS Construction and 1200C permits. RVSS requires a pre-construction meeting to ensure BMP's are installed prior to ground disturbing activities, conducts inspections and conducts site visit prior to approving termination. In FY 13, seven 1200-CN permits were issued, one was renewed and five were terminated. In addition, one 1200C permit was terminated and one was issued. FY 14 – RVSS as DEQ Agent will continue to review, inspect, and enforce RVSS Construction and 1200C Permits. RVSS will continue to require pre-construction meetings to ensure BMPs are properly installed.
5.4 Construction Site Program	Receive Information from Public (5.3.4)	RVSS Stormwater Program Coordinator or Public Works Director for Ph II communities	Receive and document public calls on SWQ issues from construction sites. Several brochures list phone numbers for public to report SWQ issues such as construction activities.	Develop system to record calls from public. Record number of calls from public, record resolutions and document for annual report. Level 1 – document hotline calls Level 2 – raise Phase II com. awareness not to dump in storm drain Level 3 – require cleanup of discharge Level 4 – pollutants reduced	Yes/Levels 1,2,3,4	FY 13- RVSS has a Hotline number record keeping and continues to respond to and resolve ID calls. FY 14- RVSS will continue Hotline number record keeping and responding to calls including documentation of call resolution.
5.5 Construction Site Program	Inspect Construction Sites (5.3.5)	RVSS Stormwater Program Coordinator	Hold pre-construction site meetings to ensure proper installation of BMPs. Inspectors will ensure that ESC BMP's submitted are installed and maintained throughout project.	Record inspections, violations and follow up work needed and document for annual report. Level 1 – document inspections, violations and use stop work orders and fines Level 2 – raise construction contractors awareness not to dump in storm drain Level 3 – require cleanup of discharges, which changes behavior Level 4 – pollutants reduced	Yes/Levels 1,2,3,4	FY 13 – Conducted pre-construction inspections and numerous on-site verbal discussions with contractors. RVSS continued to focus heavily on inspections of construction sites issuing brown tags, stop work orders and monetary penalties for violations. In addition to the verbal discussions RVSS issued 11 Brown Tags, and two Notices of Non-Compliance with fines. In addition to the 1200CN permits, small site Storm Drain Permits for sites < 1 acre were issued: Central Pt issued 26 and Talent issued 22. FY 14 – RVSS will continue to randomly inspect permitted construction sites and issue brown tags, stop work orders and monetary penalties, when necessary, especially during the rainy season to encourage the contractors ESC Inspectors to be more proactive, and to ensure stormwater quality is protected. Record Stop Work Orders, Brown Tags, NONC and other enforcement activities.
5.6 Construction Site Program	Provide Information on Training for Construction Operators (5.3.6)	RVSS Manager	Provide training for construction personnel using brochures and classes on construction site and post-construction site controls.	Document the distribution of training materials on ESC, attendance in ESC training classes and provide in annual report. Level 1 – document training classes and include in annual report Level 2 – raise contractor's awareness of Phase II and 1200C permit requirements Level 3 – change behavior Level 4 - pollutants reduced	Yes/Levels 1,2,3,4 ESC Certification Class included pre-testing with an average score of 72% and post-testing with an average score of 97%.	FY 13 –RVSS sent announcements of ESC trainings to 45 engineering and architecture firms, construction contractor and government offices. Erosion and Sediment Control Inspector classes were conducted 12-13-12 and 5-9-2013 to 40 contractors, engineers and government employees for a total of 240 training hours. <ul style="list-style-type: none"> RVSS was a significant contributor to the newly produced ACWA Construction Site Stormwater Guide, a field guide to erosion and sediment control, which has been distributed in class and in the field. FY 14 – Continue to conduct certification classes and document knowledge increase. Continue education in the field with more encouragement, stop work orders, or monetary penalties, to encourage ESC Inspectors to take charge and be proactive. Continue to provide ACWA Field Guide.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
6.1 Post-Construction SW Program	Ordinance Requiring Post-Construction Control (6.3.1)	RVSS Manager	Adopt an ordinance that requires post-construction runoff controls.	RVSS to adopt post-construction control ordinance. 	Yes	FY 13 – Subsection 4.10.010 of RVSS’ code includes the Rogue Valley Stormwater Design Manual, which requires stormwater quality features to be installed. The cities of Medford and Ashland have also adopted the Rogue Valley Stormwater Quality Design Manual. There are now 83 post-construction SW quality features in RVSS’ Phase II area. FY 14 – Continue to implement and enforce Design Manual for post-construction runoff protection. Document stormwater quality features installed by location, type, and expected maintenance procedures including features installed by RVSS. Assist other cities in their review of RVSS’ Design Manual if requested.
6.2 Post-Construction SW Program	Develop a Plan to Address Post-Construction Runoff (6.3.2)	RVSS Manager	Adopt SWQ Design Manual including post construction BMP’s	<ul style="list-style-type: none"> • Adopt ordinance • Adopt Design manual Same as 5.1 Level 1 – document permits, inspections & enforcement Level 2 – raise awareness at construction site not to dump in storm drain Level 3 – require cleanup of discharges and enforce fines Level 4 – pollutants reduced through BMP installation and maintenance	Yes/Levels 1,2,3,4	FY 13 - Continued to implement Design Manual that requires installation of stormwater quality features, manage RVSS Construction Permit and manage 1200C Permit as DEQ Agent. RVSS has begun revising the Design Manual in anticipation of new regulations requiring on-site infiltration of stormwater and more use of Low Impact Development (LID) technology. Accomplishments thus far have included getting all MS4’s in the valley to agree to applying the Design Manual to development and redevelopment sites 2,500sf or larger and to require LID technology on type A and B soils. FY 14 - RVSS will continue to work on revising the Design Manual to incorporate LID technology on more soil types and on-site stormwater infiltration.
6.3 Post-Construction SW Program	Training Plan Reviewers and Field Inspectors (6.3.3)	RVSS Manager	Train staff responsible for reviewing plans and inspecting construction site for post-construction stormwater management.	Document and report the number of hours spent on training. Level 1 – create SOP for plan review Level 2 – raise contractor and engineers awareness of post-construction stormwater control options	Yes/Levels 1,2	FY 13 – Post-construction stormwater management plans are reviewed by RVSS’ District Engineer and SW Coordinator to ensure they comply with the Design Manual. Several webinars on LID topics were hosted by RVCOG for engineers, municipalities and contractors. FY 14 - RVSS will be developing a Standard Operating Procedure for inspecting post-construction stormwater controls to ensure they are properly installed and maintained.
6.4 Post-Construction SW Program	Site Plan Review for Post-Construction BMPs (6.3.4)	RVSS Manager	Review plans to ensure they are in compliance with local ordinances and SW Design Manual. Review will include proper use of ESC BMP’s and post-construction ESC.	Adopt Ordinance and Design Manual. The number of reviews, along with staff time, will be documented and reported annually. Level 1 – adopted ord. & documented reviews. Level 2 – raised engineers & architects awareness to meet stormwater ord. Level 3 – require post-construction stormwater Level 4 – pollutants reduced by stormwater quality features in new developments	Yes/Levels 1,2,3,4	FY 13 – Continued implementation of the Design Manual and documentation of accepted stormwater quality features to ensure measures are in place to protect stormwater quality from developed sites. Continue to administer RVSS Construction and 1200C Permits as DEQ Agent. Began review of Design Manual to incorporate requirements for LID features. FY 14 – RVSS will continue reevaluation of the Design Manual for incorporation of LID requirements. RVSS will also undertake a study of manufactured post-construction stormwater quality devices to independently evaluate their efficacy on TSS and oil and grease reductions. Continue implementation of Design Manual, RVSS Construction and 1200C permits to ensure measures to protect site after construction is completed. Document stormwater features installed.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
6.5 Post-Construction SW Program	Inspection of Structural Post-Construction BMP's (6.3.5)	RVSS Manager	Inspect sites to ensure post-construction BMPs are installed and maintained correctly.	Record inspections, violations and follow up work needed for SWQ and document for annual report. Develop maintenance procedures to ensure structural BMP's work properly. Level 1 – adopted ord. & documented reviews. Level 2 – raised engineers & architects awareness to meet stormwater ord. Level 3 – require post-construction stormwater Level 4 – pollutants reduced by stormwater quality features in new developments	Yes/Levels 1,2,3,4	FY 13 – Continued implementation of Stormwater Ordinance and record keeping system to track structural BMP's installed in RVSS Phase II Communities. RVSS inspected 17 stormwater quality features and maintained seven removing 0.75 CY of sediment and 1 CY of trash. Stormwater quality features now protect approximately 1,000 acres out of approx. 8,000 acres in RVSS Phase II communities. FY 14 – RVSS plans to develop Standard Operating Procedures for maintenance of stormwater quality features including LID features. Once the SOP is created, RVSS will conduct annual inspections of all features in Phase II. Continue to document new structures installed by new developments. Verify manufacturer's maintenance procedures for structures and document revisions as necessary.
7.1 Pollution Prevention in Municipal Operations Program	Operations and Maintenance Plan (7.3.1)	RVSS Manager working with PWD for Ph II	O&M Plan shall include: <ul style="list-style-type: none"> • Description of maintenance activities • List of responsible departments and persons • Schedule of activities • Review maintenance of parks and open spaces • Review and record herbicide and pesticide uses 	Develop O&M Plan Implement O&M Plan and track use of herbicides and pesticides. Level 1 – develop and adopt maintenance plan Level 2 – raise municipal staff's knowledge and awareness Level 3 – require staff to install BMPs	Yes/Levels 1,2,3	FY 13 – RVSS Ph II Communities will be using the ODOT Routine Road Maintenance Manual revised in 2009 for each City/County. Began implementation of Manual 9 – Municipal Pollution Prevention/Good Housekeeping Practices developed by Center for Watershed Protection. Working with RVSS Ph II Communities to better document maintenance activities as related to stormwater quality. Revised reporting form for RVSS Phase II communities. Continued to implement Spill Response Plan. Herbicide/pesticide application in 2012: Central Point – did not report in FY13, but used 1,021.5gal in FY12 Jackson County - 27.5gal Phoenix – 22 gal Talent – 3 gal and 1 pound FY 14 – RVSS Ph II Communities, Medford and Ashland will begin a detailed review of the ODOT Manual to determine whether their own O&M Plans need updating. Continue to implement spill response plan and documentation.
7.2 Pollution Prevention in Municipal Operations Program	Park and Open Space Maintenance (7.3.2)	Public Works Directors of Phase II jurisdictions	Same as 7.1	Develop O&M Plan Implement O&M Plan and track use of herbicides and pesticides. Level 1 – develop and adopt maintenance plan Level 2 – raise municipal staff's knowledge and awareness	Yes/Levels 1,2	FY 13 – See 7.1 for O&M Plan. Talent maintains 13 pet waste stations and collected 2 CY of waste. Central Pt maintains 23 pet waste stations and distributed 60,000 bags. Phoenix maintains pet waste stations at three parks and used 11,000 doggy bags. For herbicide and pesticide use see paragraph 7.1 above. FY 14 – RVSS Ph II Communities, Medford and Ashland will begin a detailed review of the ODOT Manual to determine whether their own O&M plans need updating. Document maintenance activities. Continue to find locations for pet waste stations.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
7.3 Pollution Prevention in Municipal Operations Program	Vehicle and Equipment Washing (7.3.3)	RVSS Manager working with Public Works Directors of Phase II jurisdictions	O&M Plan shall include: <ul style="list-style-type: none"> Description of maintenance activities List of responsible departments and persons Schedule of activities Review maintenance of parks and open spaces 	<ul style="list-style-type: none"> Central Point – self-contained veh wash fac with filtration sys – Operation will be in O&M Plan Jackson Co – covered self-contained veh wash fac with settling tank to sanitary sewer. Solids tested. Operation will be in O&M Plan Talent – brush off and washing at PW with discharge to overland release. Operation will be in O&M Plan and will follow De minimis requirements for 1700B permit. Phoenix - Phoenix constructed covered veh wash facility. Operation will be in O&M Plan. RVSS- Use private wash or RVSS facility that includes oil/water separator. Effectiveness: Same as 7.2	Yes/Levels 1,2	FY 13- Phase 2 Communities continue to meet wash requirements. FY 14- Continue to ensure Phase 2 Communities meet wash requirements.
7.4 Pollution Prevention in Municipal Operations Program	New Construction and Land Disturbances (7.3.4)	RVSS Manager and PWD for Ph II	Inspect permitted construction sites for SWQ violations	Record inspections, violations and follow up work needed for SWQ and document for annual report. Level 1 – adopt ord. & document installation, violations & inspections Level 2 – raise contractors’ awareness to meet stormwater ord. Level 3 – require contractors to install BMPs Level 4 – pollutants reduced by installing and maintaining stormwater quality features	Yes/Levels 1,2,3,4	FY 13 - As of 12/1/10 RVSS Phase II Communities must obtain an RVSS Construction permit for construction disturbing 1 to 5 acres or 1200C Permit for 5 acres or more – see measure 5 above. Jackson Co has a 1200CA Permit with RVSS inspecting construction in RVSS Phase II area. RVSS holds a 1200CA and has conducted several projects under this permit in the last year. FY 14 – RVSS will continue as a DEQ Agent and will continue to inspect public construction projects for proper BMP installation.
7.5 Pollution Prevention in Municipal Operations Program	Dust Control Practices (7.3.5)	RVSS Manager and PWD for Ph II	Inspect permitted construction sites for SWQ violations	Record inspections, violations and follow up work needed for SWQ and document for annual report. Level 1 – adopt ord. & document inspections Level 2 – raise contractors’ awareness to meet stormwater ord. Level 3 – require contractors to install BMPs. Level 4 – pollutants reduced by installation of BMP’s	Yes/Levels 1,2,3,4	FY 13 – See 7.4 FY 14 – See 7.4

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
7.6 Pollution Prevention in Municipal Operations Program	Stormwater System Maintenance (7.3.6)	RVSS Manager and PWD for Ph II	Implement maintenance activities and document.	Develop system to record maintenance activities and document for annual report. Level 1 – develop, implement and document installation & inspections Level 2 – raise staff awareness to meet procedure	Yes/Levels 1,2	FY 13 – Conducted Survey to determine practices of RVSS Phase II com. <ul style="list-style-type: none"> Central Pt -- hydrovac ¼ of storm drains and lines annually (8.7tons in FY13), sweep high traffic streets twice per week, rest once per week (330tons in FY13). Annual leaf pickup 127 tons. Talent - hydrovac storm drain inlets (6 CY in FY13) annually and sweep every two weeks by City of Phoenix sweeper; 25CY removed FY13). Phoenix – 8cy removed from catch basins, swept when able with regenerative air street sweeper and removed 162cy material, weed-ate in two detention ponds, and leaf pickup 18 tons. Jackson County – Cleaned pipes and inlets with, hydrovac. Removed 50cy material, swept road system as required and when resources permitted, prioritized roads with ADT over 1000, sweeping those more frequently; removed 330cy material. FY 14 – Continue to work with RVSS Ph II Communities to better document maintenance activities.
7.7 Pollution Prevention in Municipal Operations Program	Open Channel and Structural SW Controls (7.3.6.1)	RVSS Manager and PWD for Ph II	Implement maintenance activities and document when permit is issued.	Develop system to record maintenance activities and document for annual report. Same as 7.6	Yes/Levels 1,2	FY 13 – Maintain records of maintenance activities: <ul style="list-style-type: none"> Central Pt- requires residents to keep creeks clear of veg. & debris. Phoenix – mows vegetation in open channels, maintains stability of banks and provides vegetation filter, no activity in 2013 Jackson Co. – nothing to report Talent – nothing to report FY 14 – Continue to work with RVSS Ph II Communities to document maintenance activities.
7.8 Pollution Prevention in Municipal Operations Program	Road, Highway and Parking Lot Maintenance (7.3.6.2)	RVSS Manager and PWD for Ph II	Implement maintenance activities and document when permit is issued.	Develop system to record maintenance activities and document for annual report. Same as 7.6	Yes/Levels 1,2	FY 12 - Phase II communities documentation: <ul style="list-style-type: none"> Street sweeping – Central Pt = 340 tons, Phoenix = 162 CY, Talent = 25 CY and JC = 330 CY Deicer – JC = 35 gal/road mile on arterials & major collectors, Winter Sanding = 145 CY on arterials & major collectors CP initiated an Adopt a Street Program- 22 adopted streets totaling 14.68 miles – volunteers to clean at least 4 times per year. FY 13 – Continue to work with RVSS Ph II Communities to document maintenance activities
7.9 Pollution Prevention in Municipal Operations Program	Flood Maintenance Projects (7.3.6.3)	RVSS Manager and PWD for Ph II	Report annually capital expenditures for SWQ Improvements	Develop system to record flood management projects and document for annual report. Implement system for flood management project evaluation and review procedures per O&M Plan: <ul style="list-style-type: none"> Central Pt, Jackson County and Talent will review flood management projects for opportunities to include SWQ. Phoenix – Continue to implement SW Master Plan Level 1 – document maintenance & flood management work Level 2 – raise staff awareness	Yes/Levels 1,2	FY 13 – No capital expenditures for flood management or stormwater improvements to report. FY 14– Continue to work with RVSS Ph II Communities to document maintenance activities and flood management.

Stormwater Implementation “Program-at-a-Glance” FY 2013

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved?/ Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
7.10 Pollution Prevention in Municipal Operations Program	Employee Training on O&M Implementation (7.3.7)	RVSS Manager and PWD for Ph II	Train staff responsible for O&M procedures	Document and report the number of hours spent on training. Level 1 –document staff training Level 2 – raise staff’ awareness	Yes/Levels 1,2	FY 13 –Only erosion and sediment control training was conducted in 2013 see 5.2. FY 14 –Continue to train staff from Ph II Communities as needed.
8.0 Evaluation and Assessment	Meet Permit Requirements	RVSS Manager and SW Program Coordinator for Ph II	Prepare annual report for NPDES permit	Meet Phase II requirements as outlined in the Measurable Goals of each permit requirement. Level 1 – document Phase II activities Level 2 – raise DEQ’s knowledge of RVSS’ Program	Yes/Levels 1,2	FY 13–Submit annual report for Phase II and 1200C programs in accordance with DEQ requirements. FY 14–Continue to submit annual reports in accordance with DEQ requirements.

Appendix A

Documentation of Rogue Valley Sewer Services

NPDES Phase II Activities

Section 2.0 Public Education Documentation

Rogue Valley Sewer Services Public Education and Outreach Events 2013

Event	Location	Date	Visitors
Grange Co-op Yard Care for SW booth	Central Point, OR	4/5/2013	6
Salmon Watch for Crater High School	Gold Hill, OR	4/18/2013	25
Phoenix High School: <i>Urinetown</i> booth display and curtain call	Phoenix, OR	4/26/2013	112
Bear Creek Watershed Education Program Symposium	Kids Unlimited, Medford	5/16/2013	100
Stream Wise lecture and field lesson	Talent Elementary 3rd grade class	5/23/2013	32
Phoenix City Council	Phoenix, OR	6/17/2013	15
Talent City Council	Talent, OR	6/19/2013	15
Battle of the Bones Festival- SW Education and rain barrel raffle	Central Point, OR	6-21-13 to 6-23-13	175
		Total	480

Section 3.0 Public Involvement Documentation

Rogue Valley Sewer Services Public Involvement 2013

Organization	Frequency	Duration
Bear Creek Watershed Council Executive Committee- Chair	monthly meetings	3 hr
Bear Creek Watershed Council	monthly meetings	3 hr
Whetstone Water Quality Study- Oversight Team	field and office meetings	6 hr
Stormwater Action Team	quarterly meetings	3 hr
Association of Clean Water Agencies (ACWA) SW committee	monthly meetings	2 hr
ACWA Erosion and Sediment Control Field Guide workgroup	quarterly meetings	2 hr
Rogue TMDL workgroup	quarterly meetings	2.5 hr
Presentation: Overview of RVSS NPDES Phase II Stormwater Program	1/23/2013	0.5hr
Bear Creek TMDL workgroup	quarterly meetings	2.5 hr
Whetstone		
Presentation: Overview of the RVSS' Illicit Discharge, Detection and Elimination (IDDE) program for 2013 focusing on Griffin and Jackson Creeks	6/13/2013	0.5 hr
Presentation to Talent City Council on MS4 program	6/19/2013	0.5 hr
Presentation to Phoenix City Council on MS4 program	6/17/2013	0.5 hr
Stream Smart work group	6/25/2013	2 hr

Section 4.0 Illicit Discharge Detection and Elimination Documentation

Non-Construction Related Illicit Discharge Detected Inside RVSS Phase II Boundary

Location of Incident	Date Reported	Reported by:	Type of Incident	RVSS response	Situation Corrected?
TID on West Valley View	11/29/2012	Jeff Ballard	sediment discharge	RVS to talk w/ TID about reducing sediment runoff	no
1130 Steamboat Drive in Central Point	12/10/2012	Stephanie Holtey	leaking vehicle	left door hanger with note	resident emailed & said he would take care of it
Wilson Way, White City	2/15/2013	Adroit Const.	Rogue Disposal hydraulic leak	Rogue Disposal is responding	yes
CP Union 76	3/13/2013	Union 76--> police--> RVSS	RV Dump - appears to have carpet cleaning truck waste	visited site & spoke to owner who indicated they had contacted the police & that they'd clean it up & keep an eye out for the perpetrator	dealt with

Illicit Discharge Detected Outside RVSS Phase II Boundary

Complaint Reported by:	Date Reported	Location of Incident	SW jurisdiction in area?	Type of Incident	Reported to DEQ website?	DEQ response
Pioneer Village	7/3/2012	N of 5th and S of Shafer Ln on W side 238	DEQ	milk truck spill	Yes & directly to Heather Tugaw	City & fire department responded
RVSS	12/13/2012	1385 Sage Rd. Medford, OR	Medford	sewage leak	Yes, to Andy Ulrich	leak was fixed by contractor in 12-2012
citizen to DEQ	2/19/2013	N of RR and E of 11th -auto recycler	DEQ	leaking fluids	yes	investigating

**ROGUE VALLEY SEWER SERVICES FATS, OILS, AND GREASE FY 2013
INSPECTION PROGRAM OVERVIEW**

New FSEs in RVS Sewer District in FY 2013:	1
Number of Inspections in FY 2013:	7
Number of FSEs in Violation in FY 2013:	0
Of those in Violation, Number of FSEs Fixed in FY 2013:	0
New Interceptors Installed in FY 2013:	1

Section 5.0 Construction Site Program Documentation

RVSS Projects with Active Erosion Control Permits as of 10/9/2013

<u>Project #</u>	<u>Project Name</u>	<u>Permit #</u>	<u>Date Assigned</u>
06-80	Twin Creeks Crossing - phase 2	115275	5/24/2006
07-02	Agate Meadows	115857	8/1/2006
07-05	Auburn Estates, Phase 1	116281	11/30/2006
10-11	West Valley View, Ph 1	SWQ11-007	3/16/2011
12-01	Whispering Trees Subdivision	SWQ12-003	11/9/2011
12-08	Stonefield Ranch Phase 3	SWQ13-004	10/31/2012
	4 Seasons Marine	SWQ13-005	11/19/2012
	Avista White City East	SWQ13-006	1/8/2013
	Oregon Shakespeare Festival	SWQ13-007	12/20/2012
	Walgreens #15974	SWQ14-001	

1200C and CN Permits Terminated in FY 2013 in RVSS' Ph II Area

Termination Date	SiteCommonName	TYPE	PermitteeLegalName	DEQ NUMBER AND EPA NUMBER
13-Nov-12	Debby's Diner and Jackson RV	1542000	Debby's Diner and RV Maint.	SWQ12-001/ORR10-
01-Mar-13		0000	LTW LLC	SWQ11-002/ORR10-
06-Apr-13		0000	Doug Fidler	SWQ11-003/ORR10-
18-Apr-13	Peninger Rd. to Bear Cr Waterline Extension	0000	Pacific Pipeline, Inc.	SWQ13-002/ORR10-
21-Jun-13		0000	Copeland Sand and Gravel	SWQ13-001/ORR10-
27-Aug-13	White Mountain Plaza	1542000	White Mountain Plaza, LLC	118515/ORR10-C230
28-Aug-13	Freedom Square	1522000	Housing Authority of Jackson County	SWQ13-003/ORR10-
13-Sep-13	Vilas Water Storage Reservoir & Pump Station	1623000	City of Central Point	SWQ12-002/ORR10-

RVSS Erosion and Sediment Control Inspector Training

Class Date	Attendee #	Average Quiz scores			
		pre	% pre	post	% post
12/13/2013	34	6	47	16	74
5/9/2013	6	7.2	71.7	27.1	96.9

Projects for which a Notice of Non-Compliance was Issued: FY 2013

Permit No.	Violation(s)	City/County Inspector	Contractor or Resident Name	Date	Notice of Non-Compliance	Was Notice Corrected?
SWQ13-004	2/14/2013	SM	Schuyler VanWert	2/14/2013	Illicit Discharge: \$500	yes
SWQ13-004	4/3/2013	SM	Schuyler VanWert	4/3/2013	Threat: \$250	no

Projects for which a Brown Tag or Stop Work Order was Issued: FY 2013

Permit No.	Date	Address	Violation(s)	City/County Inspector	ESC Inspector or Resident Name	Brown Tag (BT) or Stop Work Order?	Was Violation Corrected? (Date)
SWQ12-002	7/3/2012	Vilas St.	bio-bags not maintained	Mel	Jeff Fowler (ECS Inspector) Vilas Waterstorage reservoir & Pump Sta.	BT	yes
SWQ13-001	7/25/2012	Penninger St. & Good Fortune C.P.	silt fence not trenched in	JM	Don Miller	BT	
	10/16/2012	1699 Lithia	no silt fence and need to cover dirt pile	DB		BT	
	10/16/2012	714 Talent	need rocked entrance	DB	Melanie Smith	BT	
SWQ13-004	2/11/2013	Stonefield Ranch Ph3	track out on Agate Meadows		Schuyler VanWert	BT	?
SWQ13-004	2/14/2013	Stonefield Ranch Ph3	discharge muddy water to SW system	SM	Schuyler VanWert	BT	yes
SWQ13-004	3/25/2013	Stonefield Ranch Ph3	no const. entrance, track out, inlets not protected	SM	Schuyler VanWert	BT	no
SWQ13-004	4/3/2013	Stonefield Ranch Ph3	no const. entrance, track out, inlets not protected	SM	Schuyler VanWert	BT	no
SWQ13-005	4/23/2013	4 Seasons Marine	soil stockpile issue, no SW device	JM	Tony Bakke	BT	no
none	5/23/2013	505 Winters Way Talent, OR	soil stockpile in road	none	BJ	BT	yes
none	5/23/2013	Clearview Dr Talent, OR	sediment accumulation behind bio-bags		JM	BT	yes

Section 6.0 Post-Construction SW Program

SWQ Features Installed in RVSS' Phase II Area

BMP Feature	1200C Permit	RVSS Project Name	BMPTYPE	Make	Drainage Area	Date Accepted	Receiving Stream	Location	SWQ Agreement	RVS Maintenance	Last Inspection Date
3	116281	Auburn Estates, Phase 1	Detention Pond Sized for Water Quality		6.03	01-Jul-07	Whetstone Creek	Jackson County	FALSE	FALSE	09-Jul-09
4	116281	Auburn Estates, Not Phase 1	Detention Pond Sized for Water Quality		0	01-Jul-07	Whetstone Creek	Jackson County	FALSE	FALSE	09-Jul-09
9	117298	Four Seasons Subdivision	Detention Pond Sized for Water Quality		6.65		Bear Creek	Central Point	FALSE	FALSE	29-Oct-09
13	NA	Fieldstone Estates	Proprietary System	Vortechs	2.36		Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
14	116456	Gray Court	Proprietary System	ADS	1.8	19-May-08	Bear Creek		FALSE	TRUE	21-Aug-13
15	NA	Hamrick Glen	Filter Trench/Strip		0		Bear Creek		FALSE	FALSE	
16	NA	Birchwood Estates	Proprietary System	Hydro International	1	25-Jan-08	Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
19	115634	Woodland Village	Proprietary System	Vortechs	3.14	27-Jun-08	Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
20	115857	Agate Meadows	Proprietary System	Hydro International	6	24-Jan-08	Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
22	NA	Hartland View Subdivision	Grassy Swale		1		Whetstone Creek	Jackson County	FALSE	FALSE	
23	116257	Antelope Cove	Proprietary System	CDS	3.34	17-Jul-07	Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
24	115414	Huntley Subdivision	Proprietary System	CDS	2.92	02-Jan-07	Coleman Creek	Phoenix	FALSE	TRUE	17-Aug-11
25	115244	Sophia's Place	Porous Pavement		0.2	22-Mar-07	Coleman Creek	Phoenix	FALSE	FALSE	01-Jul-09
26	NA	Park View Townhomes	Proprietary System	Stormwater 360	0.729	26-Feb-07	Bear Creek	Talent	FALSE	TRUE	15-Aug-13
27	115076	Crimson Court	Detention Pipe		2.3	21-Aug-06	Bear Creek	Talent	FALSE	FALSE	01-Jul-09

BMP Feature	1200C Permit	RVSS Project Name	BMPTType	Make	Drainage Area	Date Accepted	Receiving Stream	Location	SWQ Agreement	RVS Maintenance	Last Inspection Date
28	NA	Talent PW Bldg Area	Detention Pond Sized for Water Quality		42	09-Nov-07	Bear Creek		FALSE	FALSE	
29	115139	Home Depot-Phoenix	Detention Pond Sized for Water Quality		4.2	20-Feb-07	Bear Creek	Phoenix	FALSE	TRUE	15-Aug-13
31	SWQ11-003	Camus Court	Grassy Swale		2.95	08-Mar-07	Bear Creek		FALSE	FALSE	01-Jul-09
32	NA	Danielle Estates Subdivision	Proprietary System	VortSentry	0.86	21-Nov-07	Whetstone Creek	Jackson County	FALSE	TRUE	01-Jul-09
33	NA	Jewett Elementary School	Proprietary System	Environment 21	121	01-Aug-07	Mingus Creek	Central Point	FALSE	TRUE	21-Aug-13
39	116247	LA-Z-BOY Furniture	Home Depot Wet Ponds		0	20-Feb-07	Bear Creek	Phoenix	FALSE	TRUE	15-Aug-13
41	SWQ11-004	Stonefield Ranch PUD			0			Jackson County	FALSE	FALSE	
44	112345	Twin Creeks Crossing - phase 2	Grassy Swale		0	15-Aug-07		Central Point	FALSE	FALSE	01-May-09
45	111890	Cascade Meadows			0	05-Dec-03		Central Point	FALSE	FALSE	
46	112673	Old Bridge Village			0			Talent	FALSE	FALSE	
48	118227	Scenic Heights Housing Development	Proprietary System	Contech	2.43		Bear Creek	Central Point	FALSE	TRUE	21-Aug-13
49	NA	4th Street Improvements	Proprietary System	Contech filters	0.3	01-Jul-05	Bear Creek	Phoenix	FALSE	TRUE	15-Aug-13
60	116255	Suncrest Park Fill Site	Grassy Swale		0			Talent	FALSE	FALSE	
61	116604	Don Jones Park	Detention Pond Sized for Water Quality		2.69		Bear Creek	Central Point	FALSE	FALSE	
62	117002	Providence Medford Medical Center	Grassy Swale		0.605		Mingus Creek	Jackson County	FALSE	FALSE	19-Jun-09
63	116759	Table Rock Terminal Expansion	Detention Pond Sized for Water Quality		0	12-Dec-07		Medford	FALSE	FALSE	19-Jun-09
64	116959	Upton Road Realignment	Proprietary System	CDS	4	29-Jul-09	Mingus Creek	Central Point	FALSE	TRUE	21-Aug-13

BMP Feature	1200C Permit	RVSS Project Name	BMPTYPE	Make	Drainage Area	Date Accepted	Receiving Stream	Location	SWQ Agreement	RVS Maintenance	Last Inspection Date
69	116960	Miracle Meadow 2	Proprietary System	Vortech Model 1000	1.36		Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
70	116275	Snowy Butte Station	Detention Pond Sized for Water Quality		0	04-Dec-08	Mingus Creek	Central Point	FALSE	FALSE	27-Jul-11
71	117640	Microvellum	WQ Pond		0			Central Point snowy butte Sub.	FALSE	FALSE	13-Oct-11
77	NA	Gebhard SWQ Structure	Proprietary System	Suntree	120	22-Dec-07	Bear Creek	Central Point	FALSE	TRUE	21-Aug-13
83		Ave A and Div SWQ Feature	Proprietary System	Environment 21	108	01-Jul-08	Whetstone Creek	Jackson County	FALSE	TRUE	21-Aug-13
84		West Channel B	Proprietary System		260	08-Apr-09	Whetstone Creek	Jackson County	FALSE	TRUE	20-Aug-13
85	NA	Desert View Estates	Detention Pipe	ADS	0.9		Whetstone Creek	Jackson County	FALSE	TRUE	20-Aug-13
86	115159	Sharon Way	Proprietary System	Contech	1.7	25-Jun-07		Jackson County	FALSE	TRUE	20-Aug-13
87	NA	Fallbrook Meadows	Proprietary System	Contech	0.3	09-Jun-08	Whetstone Creek	Jackson County	FALSE	TRUE	20-Aug-13
88	NA	Kyra Phase 2	Detention Pipe	ADS	0			Jackson County	FALSE	TRUE	21-Oct-09
89		JCURA	Detention Pond	Dutton Pond	0		Little Butte Creek	Jackson County	FALSE	TRUE	
92	NA	Gangnes Dr SWQ Structure	Proprietary System	Suntree NSBB	26	17-Aug-09	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
93	NA	E 4th Street SWQ Structure	Proprietary System	Suntree	90	17-Jul-09	Griffin Creek	Phoenix	FALSE	TRUE	15-Aug-13
95	NA	Suncrest Stormwater Quality Structure	Proprietary System	Bio Clean Env SWA	27	30-Jun-10	Bear Creek	Talent	FALSE	TRUE	15-Aug-13
98	NA	Ave G & Hwy 62	Proprietary System	Hydro Intenational	140	01-Nov-10	Whetstone Creek	Jackson County	FALSE	TRUE	12-Oct-12
100	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13

BMP Feature	1200C Permit	RVSS Project Name	BMPTType	Make	Drainage Area	Date Accepted	Receiving Stream	Location	SWQ Agreement	RVS Maintenance	Last Inspection Date
101	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
102	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
103	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
104	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
105	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
106	NA	City of Talent Project	Proprietary System	Contech	0	May-03	Wagner Creek	Talent	FALSE	TRUE	15-Aug-13
111	SWQ11-005	Mid Valley Subdivision	Detention Pipe	ADS	0		Griffin Creek	Central Point	FALSE	FALSE	21-Aug-13
128	115275	Twin Creeks Crossing - phase 2			0			Central Point	FALSE	FALSE	
133	116323	Lawrence Extension/Chelsea Gardens			0			Phoenix	FALSE	TRUE	15-Aug-13
139	117104	SO Goodwill	Proprietary System	Hydro International	0		Whetstone Creek	Jackson County	FALSE	TRUE	20-Aug-13
140	117555	La Clinica Del Valle	Grassy Swale		0			Central Point	FALSE	FALSE	
147	118515	S.O. Goodwill	Proprietary System	Hydro International	0		Whetstone Creek	Jackson County	FALSE	TRUE	20-Aug-13
151	SWQ11-007	West Valley View, Ph 1			0			Talent	FALSE	FALSE	
152	SWQ11-002	Schmelzer's Place			0			Talent	FALSE	FALSE	
154		Wash-n-Go Car Depot	Grassy Swale		0.48	01-Feb-13	Griffin Creek	Central Point	TRUE	FALSE	
155	SWQ13-001	Clean Energy LNG Fueling Station	Vegetated Swale		1.55	28-Jan-13		Central Point	FALSE	FALSE	
156		Liberty Place	Proprietary System		0	03-Jul-13	Griffin Creek	Central Point	FALSE	FALSE	
157	SWQ13-003	Freedom Square	Proprietary System		0	13-Aug-13	Whetstone Creek	Jackson	FALSE	FALSE	

BMP Feature	1200C Permit	RVSS Project Name	BMPTYPE	Make	Drainage Area	Date Accepted	Receiving Stream	Location	SWQ Agreement	RVS Maintenance	Last Inspection Date
159		Sheperd of the Valley Catholic Church	Vegetated Swale		3.91		Bear Creek	Central Point	TRUE	FALSE	
160		Hunprhey Residential Care Facility	Vegetated Swale		0.92		Bear Creek	Central Point	TRUE	FALSE	
161		Charles Roberts Park	Porous Pavement and vegetated swales		0	01-Aug-13	Bear Creek	Talent	FALSE	FALSE	
162		Oak St. parking lot	Filterra planter box and vegetated swale		0			Central Point	FALSE	FALSE	
163		1st St. parking lot	Vegetated swales		0		Griffin Creek	Central Point	FALSE	FALSE	
164		4 Seasons Marine	Detention Vault Sized for Water Quality	Contech	0		Bear Creek	Central Point	TRUE	FALSE	
166	SWQ13-007	Oregon Shakespeare Festival	Detention Pond Sized for Water Quality		3.25		Wagner Creek	Talent	TRUE	FALSE	
167		Lanfear Partition	Grassy Swale		0.43		Whetstone Creek	Jackson County	TRUE	FALSE	

Appendix B

Annual Reports from Rogue Valley Sewer Services'

Phase II Communities

City of Central Point

NPDES Phase II Program Annual Report FY 2013

Activity	Date	Work Activity	Location	Estimated Quantities	Dump Site	Comments
Street Sweeping	Weekly throughout the year	Entire city once every seven days, with more frequent sweeping occurring twice per week in high use areas.	City-wide once every 7 days; high use areas 1-2 times per week.	329.42 tons	Dry Creek Landfill	See attached early sweep schedule for high use areas. Detailed list of disposal dates and tonnage attached.
Storm Drain Inspection & Cleaning	October/November 2012	Inspected 21.05 miles of storm drain line and cleaned 12.3 miles; cleaned 59 manholes, 37 catch basins, 193 curb inlets, 3 lynch basins and 2 other features.	Central Point Storm Drain Maintenance Zone 1	8.71 tons	Dry Creek Landfill	See attached Storm Drain Maintenance Zone Map.
Annual Leaf Pick-up	November 19, 2012 December 14, 2012	City hired Rogue Disposal to pick up leaves for CP residents to keep them out of the storm drains and protect water quality. City conducted outreach in newsletter and residents provided own bags.	City-wide	126.92	Dry Creek Landfill	None.
Adopt-a-Street Program	Year round	Volunteers adopt a street and commit to cleaning up litter at least 4 times per year. This activity minimizes the quantity of litter swept into storm drains during rain events.	22 Adopted street routes totalling 14.68 miles.	Qty not currently tracked.	Dry Creek Landfill	Program will examine ways to track at least approximate quantities of trash removed by volunteer efforts.
Storm Drain Protection Permits	July 1, 2012 through June 30, 2013	Issued Storm Drain Protection Permits for construction projects with ground disturbing activities.	City-wide	26	N/A	Permits are attached.
Good Housekeeping: Municipal Herbicide Applications		Spray herbicides to control invasive species within public right-of-way and in some parks.	Public ROW and some parks areas.		N/A	Applications are conducted in City Parks and in public right of way.
Pet Waste	Year round	Make pet waste clean-up accessible in public parks and other areas to residents by providing pet waste dispensers and bags.	City parks and some public areas.	6 new pet waste stations installed; 60,000 pet waste bags stocked (@ 5,000 bags per month)	N/A	The City maintains 23 pet waste stations throughout the community. Several of these have bag buddy sponsors.
Stormwater Quality Education/Outreach	July 2012; 10/8/2012; Nov. 2012; Jan. 2013; Feb. 2013; 4/5/2013; 4/18/2013	Publications educate residents on stormwater quality information, protection requirements, and website location.	City of Central Point Newsletter, Annual Floodplain Mailing to Community, Annual Mailing to FP Residents	Newsletter articles, Landscaping for water quality event; Salmon Watch course for Crater High School students	N/A	Newsletter Articles (July 2012, November 2012, January 2013, February 2013); "National Flood Insurance Program and ESA" presentation at the BCWC (10/8/2012); Grange Co-op Landscaping for Water Quality Booth (4/5/2013, 8am to noon); Salmon Watch Water Quality Education 4/18/2013 (9:30 to 2:00pm)
Stormwater Quality Education/Outreach	Review annually; update as needed.	Stormwater Management web page reviewed and updated.	http://www.centralpointoregon.gov/publicworks.aspx?id=1578&ekmensele=c580fa7b_458_483_btnlink	N/A	N/A	The new city website has not been built to-date due to staff changes and other high priority projects in the IT Department. The new website is anticipated in the upcoming FY.
Staff Training	12/13/2012	RVSS Erosion & Sediment Control Inspector Class: Mike Ono & James Sollee	RVSS	2 staff members from the Public Works Division	N/A	Certificates attached.

**DRY CREEK LANDFILL
2012-2013**

MONTH	DATE	QUANTITY	AMOUNT
July	07/24/12	9.62	\$96.20
	07/24/12	7.64	\$76.40
	07/24/12	6.21	\$62.10
			\$234.70

August	08/28/12	7.50	\$75.00
	08/28/12	7.20	\$72.00
	08/28/12	5.32	\$264.94
			\$411.94

October	10/09/12	8.71	\$433.76
	10/10/12	9.47	\$94.70
	10/10/12	9.21	\$92.10
	10/10/12	9.30	\$93.00
			\$713.56

November	11/14/12	5.74	\$57.40
	11/14/12	4.90	\$49.00
	11/14/12	5.65	\$56.50
	11/14/12	4.38	\$43.80
	11/14/12	4.85	\$48.50
	11/20/12	4.01	\$40.10
	11/20/12	3.80	\$38.00
	11/27/12	3.66	\$36.60
	11/27/12	3.63	\$36.30
	11/27/12	3.99	\$39.90
	11/27/12	3.98	\$39.80
	11/27/12	3.24	\$32.40
			\$518.30

December	12/03/12	4.20	\$42.00
	12/03/12	4.49	\$44.90
	12/03/12	5.40	\$54.00
	12/11/12	5.91	\$59.10
	12/11/12	4.54	\$45.40
	12/27/13	6.95	\$69.50
	12/27/13	8.33	\$83.30
			\$398.20

January	01/29/13	9.67	\$96.70
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Jetter

10/09/12	8.71
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Dump Runs-Tonnage

08/28/12	5.32
04/02/13	1.84

AC Pipe

02/27/13	1.00
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	01/29/13	9.31	\$93.10
			\$189.80

February	02/12/13	9.76	\$97.60
	02/12/13	11.13	\$111.30
	02/12/13	9.41	\$94.10
	02/27/13	1.00	\$60.00
			\$363.00

April	04/01/13	9.12	\$91.20
	04/01/13	9.75	\$97.50
	04/02/13	8.24	\$82.40
	04/02/13	7.88	\$78.80
	04/02/13	1.84	\$91.63
	04/26/13	11.01	\$110.10
	04/30/13	7.13	\$71.30
	04/30/13	9.81	\$98.10
			\$721.03

May	05/16/13	8.15	\$81.50
	05/16/13	8.52	\$85.20
			\$166.70

June	06/25/13	6.73	\$67.30
	06/25/13	7.14	\$71.40
	06/25/13	6.90	\$69.00
	06/25/13	5.09	\$50.90
		329.42	\$258.60

\$3,975.83

FY 2013 Storm Drain Protection Permits

Address	Permit No.	Development Type	Floodplain	FP Notes
138 Keystone Court	2013-0013	SFD Addition	No	
2495 Brookdale Drive	2013-0023	SFD Remodel	No	
2369 Tulane Avenue	2013-0030	SFD Remodel	No	
639 John Wayne Drive	2013-0044	SFD	No	
2040 Bluegrass Drive	2013-0079	SFD	No	
2024 Rabun Way	2013-0085	SFD	No	
4025 Rock Way	2013-0110	Residential Accessory	No	
545 Ridgeway Drive	2013-0111	SFD Addition	No	
1107 N. Haskell Street	2013-0147	SFD	Yes	
624 John Wayne Drive	2013-0177	SFD	No	
929 Buck Point Street	2013-0185	SFD Remodel	No	
927 Buck Point Street	2013-0189	SFD	No	
627 John Wayne Drive	2013-0204	SFD	No	
876 Holley Way	2013-0206	SFD	Yes	
260 Willow Bend Way	2013-0230	SFD	No	
1131 N. Haskell Street	2013-0295	SFD	Yes	
2012 Jeremy Street	2013-0349	SFD	No	
235 Willow Bend Way	2013-0430	SFD	No	
200 Singing Grass Drive	2013-0434	SFD	No	
1147 N. Haskell Street	2013-0436	SFD	Yes	
1967 Taylor Road	2013-0340	Site Preparation	Yes	
1967 Taylor Road	2013-0449	SFD	Yes	
1945 Taylor Road	2013-0331	Site Preparation	Yes	
1945 Taylor Road	2013-0448	SFD	Yes	
1321 Rustler Peak Street	2013-0485	SFD	No	
877 S Haskell Street	2013-0486	SFD	No	

Pet Waste Station Inventory FY 2013

	Bag Buddy	Park/Green Space & Location	
1	Mountain View Veterinary Clinic	Don Jones Park	Entry to Park
2	Celebrity Pets	Don Jones Park	By War Memorial
3	Crater Animal Clinic	Don Jones Park	By Mountain Ave.
4		Don Jones Park	By Water Reservoir
5	Hap-E-Dog Pet Grooming	Don Jones Park	Water Park / Tennis Court
6		Don Jones Park	By Basketball Court
7		Don Jones Park	North East Path
8	Crater Animal Clinic	Willie Mott Park	Jeremy Street
9		Willie Mott Park	Tennessee Ln.
10	Mountain View Veterinary Clinic	Pfaff Park	North East Side
11	Mountain View Veterinary Clinic	Pfaff Park	South West Side
12	Mountain View Veterinary Clinic	Twin Creeks Park	North Side
13	Crater Animal Clinic	Civic Park	South West Side
14	Crater Animal Clinic	Civic Park	South East Side
15	Mountain View Veterinary Clinic	Civic Park	North West Side
16	Mountain View Veterinary Clinic	Civic Park	North East Side
17		Pocket Park	N. Haskell & Griffith Oaks
18	Crater Animal Clinic	Flanagan	Entry at Tiffany Ave
19	Crater Animal Clinic	Flanagan	Pathway at Beall Lane
20		Flanagan	Pathway near Joseph Street
21		Van Horn	Edwina Ave
22		Van Horn	Pathway - Rose Valley
23		Forest Glen	Gatepark Drive

Dog bags used July 1 2012- June 30, 2013

60000

Dog bags used Jan 1- Aug 16, 2013

37500

Jackson County Stormwater Data for FY2013

Activity	Agency	Date	Work Activity	Location	Estimated Quantities	Dump Site	Comments
Stormwater Cleaning-Inlets/storm drains	Jackson County	July 2012- June 2013	Cleaned 150 Pipes/inlets	White City	0.33 Cu.Yd x 150 = 50 Cu. Yd.	W.C. Shop	Purchased new Vaccon
Street Sweeping	Jackson County	July 2012- June 2013	Sweep entire Road System as required and when resources permit, giving priority to Roads with ADT over 1,000, sweeping those more frequently.	White City	15 Cu.Yd. x 12 sweepings + 25 Cu. Yd. X 6 sweepings = 330 Cu.Yd.	W.C. Shop	
Sanding	Jackson County	July 2012- June 2013	Winter sanding for traction/safety	Arterials and major collectors in Phase II areas	145 Cu.Yd.	W.C. Shop	
De-icer	Jackson County (by ODOT under contract)	July 2012- June 2013	Spray De-icer (magnesium chloride solution w/corrosion inhibitor) as needed for winter safety.	Arterials and major collectors in Phase II areas	35 gal./road mile		Generally one application per cold front expected to freeze valley floor.
Herbicide Applications	Jackson County	July 2012- June 2013	Spray herbicides along road shoulders.	Phase II areas	Roundup - 6 gal., Diuron - 16 gal., Oust - 18 oz., Garlon 3A - 5 gal., Perspective -7.5 oz, Landmark - 4 oz		Followed manufactures recommendations and state law.
Inspections	Jackson County	July 2012- June 2013					
Flood control projects	Jackson County	July 2012- June 2013					
Stormwater Quality Education	Jackson County	July 2012- June 2013					

Appendix C

Annual Report from Rogue Valley Council of Governments

Stormwater Activities Report 2012 – 2013: Public Education and Outreach, and Public Involvement and Participation



Phase II Stormwater Implementation – Public Education and Outreach, Public Involvement and Participation

Milestones and Report for Work Conducted July 1, 2012 – June 30, 2013

Report Prepared by the Rogue Valley Council of Governments

RVCOG works with RVS and the RVS communities (Talent, Phoenix, Central Point and Jackson County) to implement the public education/outreach and public involvement and participation activities necessary to meet the permit obligations of the NPDES Stormwater Phase 2 Stormwater Management permit for the Rogue Valley. RVCOG coordinates with many local and regional groups, provides stormwater-related display materials and exhibits, gives stormwater presentations to the public, agencies, and interested groups, coordinates and assists volunteers and volunteer organizations, conducts public meeting, contributes to the regional Stormwater Advisory Team, distributes information to the news media, and evaluates and revises the stormwater outreach and education program. The following report summarizes activities conducted by RVCOG in the 2012-2013 permit year.

Public Education and Outreach Program

Schools, Educators, and Outreach Strategy Implementation

Relationships between Phase II municipal stormwater programs and schools districts within the City and County were built by integrating stormwater education into existing water quality related education programs. Activities included meeting with and coordinating activities with schools and education groups on integrating activities for the year. Groups we worked with included the O.S.U. Extension (General Staff and StreamWise Program - multiple meetings), the Bear Creek Watershed Education Partners (multiple meetings), the Regional Environmental Education Leaders (2 meetings), Coyote Trails Nature Center (2 meetings), Crater High School (2 meetings), Bear Creek Watershed Council (multiple meetings), the Stream Smart Program (2 meetings), Jackson Soil and Water Conservation District, Southern Oregon University, Lomakatsi, and Phoenix High School.

Coordination with Existing Water Quality and Environmental Education Groups

Summary of meetings and dates:

Stormwater Activities Report 2012 – 2013: Public Education and Outreach, and Public Involvement and Participation

<i>Date(s)</i>	<i>Organization</i>	<i>Notes</i>
Varies. Attended most monthly meetings and a few additional meetings.	Bear Creek Watershed Council	Monthly Meetings and Executive Council Meetings – 13 meetings total.
7/28/12	Coyote Trails	Discussed the role of Coyote Trails in the Salmon Watch program and the use of the site as a potential class location.
8/28/12	Crater High School (Crater Land Lab)	Met with HS teachers Haven Combs and Anna Warntjes to design classes to teach students about wetland function, river ecology and water quality (building and maintaining relationship with stormwater programs and school districts)
10/22/12	Salmon Watch Kick-off Meeting	Discussed logistics of Salmon Watch program internally and with OSU Extension.
10/30/12	Bear Creek Annual Retreat	Provided input and context for many subjects and projects in the watershed including stormwater, riparian restoration, TMDLs, Stream Smart, and working with partners and volunteers.
11/05/12	OSU Extension, BCWEP, BCWC, and RBCC	Salmon Watch planning meeting.
12/5/12	OSU Extension, BCWEP, BCWC, RBCC, volunteers	Salmon Watch field tour at the mouth of Bear Creek and Gold Ray Dam area.
12/12/12	OSU Extension	Discussed the Stream Wise Program and complete a survey of priority areas for the OSU Streamwise program to focus on in the Bear Creek Watershed.
2/19/13	BCWEP	Attended the Bear Creek Watershed Education Partners Annual Meeting to discuss how we could work with BCWEP on education and outreach programs and how we could support their programs. Specifically, we talked about the needs for teaching support for getting the message out to schools, getting volunteers to attend programs/work shops/field days, getting classes for the Salmon Watch Programs, developing a Stream Steward Program,

Stormwater Activities Report 2012 – 2013: Public Education and Outreach, and Public Involvement and Participation

<i>Date(s)</i>	<i>Organization</i>	<i>Notes</i>
		advertising, and other topics.
2/22/13	Crater High School (Crater Land Lab)	Discussed with Crater Land Lab (Crater High School) regarding their education programs and how to integrate managing stormwater, salmon, and stream stewardship/stream, stewards program into their curriculum and calendar. Also discussed logistics and outline for the field class that will be held in March.
2/28/13	Jackson SWCD	Partnership meeting with the SWCD. Discussed how we could work together to overlap projects, goals, and staff including work on Stormwater Management and TMDL Programs.
3/18/13	OSU Extension	Riparian Practitioners meeting.
3/21/13	Jackson SWCD	Discussed with SWCD staff specifically how we could overlap and partner on programs including events, stormwater management, outreach, and other topics.
4/5/13	OSU Extension, BCWEP, Coyote Trails, and Talent Middle School.	Met with partners onsite at the Coyote Trails Nature Center/U.S. Cellular Community Park to discuss shooting of a video for the Salmon Watch Program. Video footage was shot during the program for creating the video.
4/08/13	Jackson SWCD	Follow up to the March 21 st meeting to discuss in more detail the overlap of programs, Stream Smart, collaborating on bringing in outside speakers, and other ways to work together on programs.

Special Events:

Streamside Gardening

The goal of the streamside gardening program was to teach residents with streamside property how to maintain and beautify their landscapes while conserving and enhancing riparian conditions. The program was conducted O.S.U. Extension with assistance from the Seven Basins Watershed Council, the Bear Creek Watershed Council, and RVCOG. Classes were held in Gold Hill, Rogue River, and Central Point.

Stormwater Activities Report 2012 – 2013: Public Education and Outreach, and Public Involvement and Participation

Program support included reviewing and contributing materials, promoting the classes, and serving as part of a panel providing recommendations and sharing experiences with riparian restoration, native plants, water quality, and invasive species at the class in Central Point. In addition, RVCOG led a portion of the field class which was held on site at Twin Creeks. RVCOG discussed the development of the area including the stormwater management features, plant selection for the stormwater features and riparian restoration, open space/parks, and the Griffin Creek channel restoration.

Salmon Watch Program Re-establishment

A key goal of the Public Education and Outreach Strategy was to re-establish the Salmon Watch program. **15 Salmon Watch classes were completed**, reaching approximately **600 students** from local schools in Jackson County. Partners for the program included O.S.U. Extension, the Bear Creek Watershed Council, the Rogue Basin Coordinating Council, Coyote Trails Nature Center, Rogue Valley Sewer Services, the City of Central Point, the Bear Creek Watershed Education Partners, Jackson Soil and Water Conservation District, and the Carpenter Foundation. Information on the classes including schools represented and locations of the programs is summarized below. A survey was also conducted before and after the classes to evaluate program effectiveness. Survey results shows an increase in the number of correct responses following participation in the program indicating that the program was successfully teaching kids about water quality and salmon.

- February 26, 2013 – Roosevelt Elementary at Spencer St. Restoration site in Medford, 2 classes
- March 28, 2013 – Ashland Middle School at Bear Creek, 2 classes
- April 5, 2013 – Talent Middle School at Jefferson Nature Center, 2 classes
- April 11, 2013 - Talent Elementary School at Gold Ray Dam, 2 classes
- April 18, 2013 – Crater High School at Gold Ray Dam site, 2 classes
- April 24, 2013 – Rogue River Elementary at Palmerton Park on Evans Creek, 2 classes
- April 30, 2013 – Rogue River Elementary at Palmerton Park, 1 class
- May 28, 2013 – Orchard Hill at Larson Creek, 2 classes



Stormwater Activities Report 2012 – 2013: Public Education and Outreach, and Public Involvement and Participation

2012-13 Stream Wise and Salmon Watch Pre-Post Survey Percent Correct Comparison

School	Teacher/class	Grade	Pre Survey % correct	Post survey % correct	% Change	# Pre	# Post
Roosevelt ES	Culver	4	46	70	24	17	21
Roosevelt ES	Cooper	4	33	67	34	12	16
Orchard Hill ES	Gilley	5	46	74	28	19	29
Orchard Hill ES	McNaught	5	46			28	0
Talent MS	McNichol	7	26	93	67	27	29
Talent MS	Rupp	7	33	61	28	29	26
Crater HS	Rooney AP	9-12	50	86	36	12	12
Crater HS	Rooney Env. Sci.	9-12	50	86	36	19	23
Rogue River ES	Mathews	5	53	80	27	16	25
Rogue River ES	Roler	4	40	67	27	30	27
Willow Wind CLC	Pindle	5	40	80	40	20	18
Willow Wind CLC	Strange	6	73	87	14	16	17
Talent ES	Westergaard/Glickel	3-4	26			20	0

Average Pre Survey % Correct	Average Post Survey % Correct	Average % Improvement	Total Pre surveys	Total Post surveys
43	77	33	265	243
			Total Surveys Analyzed	508

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Stormwater Brochures, Videos/PSAs, Website, Displays, and Geocaches:

- RVCOG created a video on the Salmon Watch class conducted with Talent Middle School at the Coyote Trails Nature Center at U.S. Cellular Community Park in Medford. The video highlights how important and effective it is to connect kids with creeks, how the program connects kids to creeks, and how partners in the watershed work together to improve water quality in the watershed. As of August 16th, 2013, the video has been viewed 49 times. In addition, the video is being played on Southern Oregon Public Television, and on cable channel 15 in Jackson and Josephine County.
<http://www.youtube.com/watch?v=XQeVouErtks&feature=c4-overview&list=UUM1cVIL9V8HH0TJhEq4zfHw>.
- Adding multiple links to videos on the Stormwater 101 website including “Stormwater: The Basics” an overview of stormwater management from Clark County, “Life on the Edge: Improving Riparian Function” from O.S.U. Extension, and PSAs on stormwater topics.
- We developed additional video concepts and test footage (Twin Creeks, BCWEP program summary) for use in education programs including urban streams featuring Griffin Creek in the Twin Creeks development, a stormwater management features series (RVS parking lot, swales, detention facilities, wetlands), partner summaries, a water quality monitoring series, and riparian restoration.
- RVCOG distributed brochures and a flyer on stormwater management and pollution prevention to local libraries, public agencies, stores (Grange COOP, Lowe’s, Home Depot, Costco, Wal Mart, Home Depot, Southern Oregon Nursery, Fred Meyer, and other information outlets. Topics: *Stormwater Management in the Bear Creek Valley, Erosion Prevention and Sediment Control, Stream and Wetland Enhancement Guide, Taking Care of Streams in Jackson County, Painting Without Polluting, Creeks and Concrete Don’t Mix, Yard Care at home: Sometimes Less is More, and a flyer - Oil and Stormwater: What goes into storm drains goes into Bear Creek and the Rogue River.* Over 1,200 brochures were handed out/made available at the areas listed above, to other groups (e.g., ODFW), and provided at all events. For information regarding the number of each brochure distributed please see the counts under the Stormwater Production and Distribution section.
- RVCOG updated the stormwater poster boards, stormwater webpages, and other exhibit materials. In addition to updating materials, new materials were created as needed (e.g., new panels, flyers, activities, plant lists). The materials were used during the year.
- Updated posters and other materials were sent to the MS4s for review and uploaded to http://rvcog.org/mn.asp?pg=NR_Stormwater_Review_Materials for additional review and comment from MS4s before transferring them to one of the Stormwater Pages on RVCOG’s website.

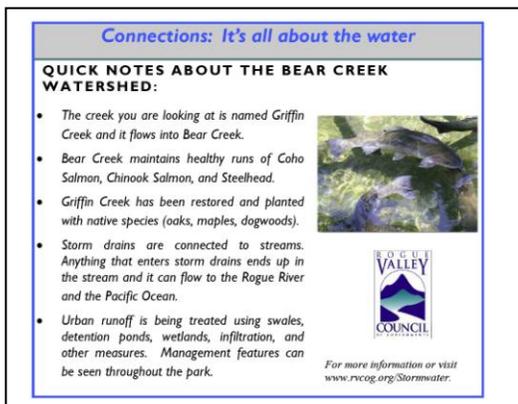
Stormwater Activities Report 2012 – 2013: Public Education and Outreach, and Public Involvement and Participation

- RVCOG's website was updated/edited monthly including all stormwater related pages - Stormwater 101, What Local Communities are Doing, Education and Outreach Homepage, Erosion Prevention and Sediment Control, and the Stormwater Review Materials Review Page, examples of updates included: Adding local contacts, events, and where you can go to see BMPs/LIDs in the Bear Creek Watershed, adding links, materials (brochures, reports, reference materials, native plant finder), partner links, and upcoming events.
- Google analytics is being used to track website traffic including where people are visiting from, where are they access the pages from (links, search engines), what they are looking at, and other features.
- Developed a spreadsheet with different options for event set-ups based on existing materials and new materials created. Display options vary based on the location of the event (geographically, inside or outside), the theme of the event (water quality, urban runoff, riparian restoration), and the program goals it's meeting (Stormwater, TMDL, other, or a mix of the projects).
- Developed materials for the Larson Creek Restoration Kick-off including maps and posters.
- Posters for displays were updated for the Bear Creek Salmon Festival at North Mountain Park, on October 6th. While the event and our display was largely TMDL related, we did feature the stormwater pollutants in a jar hands-on-activity and distributed 12 stormwater brochures (6 - General Stormwater, 6- EPSC).
- Purchased an additional display board and created additional sets of posters that are available for loan to DMAs and partners by request. Most materials (poster, activities, etc.) are available for use by MS4s.
- Created template signs for stormwater features and potential tie-ins to the Stream Smart program and increasing public awareness of management features.



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- Created a presentation for the Land Steward Workshop focusing on what people can do at home for planting, riparian restoration, rain gardens, swales, and other features to help improve water quality, manage runoff, and a nice living space.
- Developed a table display for the Land Steward workshop focused on what people can do at home to manage runoff and improve water quality. The Rain Garden poster and the Yard Care brochures were key features of the display. In addition, we were set up near Shooting Star Nursery, so we were able to show examples of the plants on the Rain Garden Poster and also direct people to a local nursery that had most of the plants that would be needed.
- Developed a table display for the Grange Co-op focused on what people can do at home to manage runoff and improve water quality. The Rain Garden poster and the Yard Care brochures were key features of the display in addition to featuring products that were available at the Grange (a limited number of native plants, organic fertilizers, rain barrels, organic pest controls, pet waste bags, etc.).
- Developed a table display for Phoenix High Schools musical production of “Urinetown”. Table featured water quality, stormwater pollution, and stormwater management.
- Displays featuring stormwater materials were set up at the Land Steward Workshop, the Grange Co-op in Central Point, and at the Phoenix High School Musical Production of “Urinetown”. Stormwater information was also featured at other events in combination with the Bear Creek TMDL program, the Rogue TMDL Program, and the other Stormwater Programs (Medford and Ashland). Information and statistics (e.g., number of people) on the displays is summarized in this section or under the Records of Presentations for Schools, Educators, Community Organizations, Agencies, and Conservation Groups.
- Created a presentation for the Native American Ecological Education Symposium focusing on restoration in the Rogue Basin. The discussion highlighted how the region works together to improve water quality including managing urban runoff (storm water). A large portion of the talk was on urban restoration which focused on stormwater management including Low Impact Development and Best Management Practices.
- Developed information for use in a geocache that was placed at Twin Creek Park in June in conjunction with the Battle of the Bones event.



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- Repaired and replenished materials in existing geo-caches. Geo-caches have been placed at four locations: Blue Heron Park in Phoenix, Coyote Trails Nature Center at the U.S. Cellular Community Park in Medford, Twin Creeks Park in Central Point, and at the Gold Ray restoration site. This activity continues to reach a different group of citizens, and initial feedback from the geo-cache community has been very positive. The geo-caches logged **56 unique visitors** from July 1, 2012 through June 30th, 2013.
- RVCOG printed 1,000 copies of the Yard Care at Home: Sometimes Less is More.
- Produced new brochures/activities/flyers including: Garden-Worthy Native Trees and Shrubs, the Goathead Trail (Kids activity), and the Urban Runoff Flyer.

Stormwater Brochure Production and Distribution:

RVCOG, in coordination with the RVS communities, continued to distribute 11 existing brochures, a flyer on oil and stormwater, and new materials (a list of native species that can be used in gardens, an activity for kids focused on invasive species (goat head), and a flyer on urban runoff). Brochures distributed included: *Stormwater Management in the Bear Creek Valley* (200), *Erosion Prevention and Sediment Control*, *Stream and Wetland Enhancement Guide* (100), *Taking Care of Streams in Jackson County* (247), *Painting Without Polluting* (100), *Creeks and Concrete Don't Mix* (120), *Yard Care at Home: Sometimes Less is More* (490), *the Association of Clean Water Agencies (ACWA) Protecting Your Watershed Brochure in both English* (122) and *Spanish* (29), *Natural Yard Care* (5), *Garden Worthy Native Trees and Shrubs* (48), a flyer - *Oil and Stormwater* (4): *What goes into the storm drain goes into Bear Creek and the Rogue River*, and a kids activity on invasive weeds, *the Goathead Maze* (30).

RVCOG's Natural Resource Dept. distributed brochures to all RVS outlets including municipal city halls and county offices, agency reception areas and libraries. RVCOG also displays copies of all brochures at their office, and have given copies of the brochures to many other businesses (landscape and yard care suppliers, paint stores, Grange), organizations and individuals. Other organizations that have received brochures include the Bear Creek Watershed Council, Bear Creek Watershed Education Partners, Oregon Department of Fish and Wildlife, Coyote Trails Nature Center, North Mountain Park Nature Center, Science Works, Freshwater Trust, Rogue Flyfishers, Middle Rogue Steelheaders, Wetlands Conservancy, OSU Extension, City of Eagle Point and Watershed Councils (Seven Basins, Little Butte, Upper Rogue, Middle Rogue). In addition, brochures are given out at all events attended and to local groups (e.g., local scouts, schools). The Stream and Wetland Enhancement Guide was also included in the outreach materials given to participants at O.S.U. Extension's Stream Garden Workshop's. Over 1,200 brochures were given out this year to RVS locations and at educational events. Electronic copies of brochures are also available online at RVCOG's website.

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Additional work on brochures included reviewing the existing brochures, creating a Rogue Valley Stormwater brochure based on the Bear Creek brochure for use outside of the Bear Creek Watershed, creating a flyer on urban runoff to place on bulletin boards located throughout the community, and adding logos of other communities in the Rogue Basin who are implementing Stormwater Management Programs through their TMDL programs or through the pending expansion of the Medford Urban Area and the creation of the Grants Pass Urban Area to selected brochures.

Work with Volunteers on Stormwater:

RVCOG and RVS contacted and assisted numerous volunteer organizations on stormwater-related issues, events and projects in the past year. Members and staff from these organizations also assisted RVCOG and RVS with volunteer. The total number of volunteers involved in RVS Stormwater programs in the past year equaled approximately 500 individuals.

Specific volunteer meetings, contributions, and projects:

- Bear Creek Exploration month – Coordinated program event dates with the Exploration Month events, reviewed and provided input to the regional Exploration Month Flyer, and participated in activities.
- The RVCOG Eco-Friendly Car Wash Kit has been used many times by others in the past year throughout the valley, mostly in Ashland.
- Worked with local scouts to develop and implement Eagle Scout Projects throughout the watershed including riparian restoration, water quality, and the potential enhancement of stormwater management features (e.g., swales, drainage areas under the viaduct).
- Provided recommendations and assistance to volunteer groups (e.g., local scouts, schools) in selecting, purchasing, and transporting native plants for riparian planting projects.
- Whetstone Restoration meeting at lower Whetstone Creek - RVCOG led a tour of Whetstone Creek with the OWEB Grant Review Committee to discuss a BCWC grant applications for restoration and monitoring. *5 reviewers.*
- Gold Ray Dam class and willow stake planting with Crater High School - *70 Crater HS students* toured the former dam site, heard about the history and ecology of the project, and helped plant willow stakes in Tolo Slough.
- Coordinated Jobs Council crews to work on stormwater and water quality facilities and riparian restoration sites throughout the valley in summer/fall 2012, and winter/spring 2013. Sites include the water quality and parking lot swales at the JNC, riparian restoration sites on Rogue River, Tolo Slough, Crooked Creek, Lone Pine Creek, Larson Creek, and Bear Creek.
- Worked with the Stream Smart program partners to integrate activities under that program. Developed concepts for signs and suggested the Clean Rivers and Streams website as a potential model for the program (<http://www.cleanriversandstreams.org/>).

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- Worked with Southern Oregon University to develop a monitoring program in the Whetstone Creek watershed including monitoring of storm events and storm drains.
- Worked on developing a Stream Steward Program. We worked with Crater High/Crater Land Lab to establish a site on Bear Creek, possibly the mouth of Bear Creek, which they would adopt and use as a teaching/stewardship site. Items that were recommended for incorporation into the Stream Steward Program included.
 - Adopting a stream segment/section
 - Annual Creek Clean Up – Coordinating at a minimum a clean-up in conjunction with local SOLV events
 - Conduct Educational Programs and Monitoring activities
 - If access allows, establish the site as a Salmon Watch site.
 - Map the site, especially after establishing monitoring locations and following activities including planting and restoration.
 - Riparian Planting and Restoration (as needed).
 - Invasive species management (blackberries, poison hemlock, etc.)
 - Signs. Templates were created for use in restoration projects and stormwater management features that could be easily be adapted for use in the Stream Steward Program.

Volunteer Groups that RVCOG worked with on stormwater and water quality issues:

- Siskiyou Environmental Education Center (Southern Oregon University)
- Regional Environmental Education Leaders (REEL)
- Rogue Community College
- Coyote Trails Nature Center
- Veranda Park Retirement Community
- Freshwater Trust
- Bear Creek Watershed Council
- Seven Basins Watershed Council
- Upper Rogue Watershed Council
- Little Butte Watershed Council
- Rogue Basin Coordinating Council
- Association of Clean Water Agencies
- Geos Institute
- Bonneville Environmental Foundation
- Cooperative Weed Management Areas in Jackson and Josephine County
- Bear Creek Watershed Education Partners
- Boy Scouts of America
- OSU Extension Service and StreamWise Program
- Local schools – elementary, middle school, and high school, public and private

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- Oregon Stewardship
- Jobs Council
- Lomakatsi Restoration Council
- North Mountain Park Nature Center
- ScienceWorks
- The Nature Conservancy
- Southern Oregon Education Service District
- Jackson Soil and Water Conservation District
- Audubon Society

Develop Presentations and Displays:

Records of Presentations for Schools, Educators, Community Organizations, Agencies and Conservation Groups:

- Bioretention webinar – hosted a webinar at on “Low Impact Development and the Basics of Bioretention” by Storm Water Solutions and Stormwater USA online Training. *10 attendees.*
- Presented at the Land Steward conference addressing what could be done by a landowner at home for improving water quality and riparian areas for streamside landowners. Topics discussed included native plants, invasive species management, rain gardens, swales, and other LIDs and BMPs that are applicable on a smaller scale. *12 attendees. 58 brochures distributed.*
- Presented at the Native American Ecological Education Symposium on restoration in the Rogue Basin. Topics discussed including restoration in urban areas through managing urban runoff (stormwater management), riparian restoration, groups working to improve water quality including all of the MS4s, and how we work with partners to improve water quality in the region. *35 attendees. 65 brochures distributed.*
- Worked with Phoenix High School to develop materials for display at their musical production of “Urinetown”. The display was set up for 6 nights and staffed for 4 of the 6 nights by RVCOG and RVS. We talked to *40 people* and handed out *12 brochures.*
- Curtain call speech for the first Saturday performance of “Urinetown”. Talked to the audience about the value of clean water, how we are working together to improve water quality, some of the challenges we face with urban growth, and invited them to learn more about what we are doing by visiting the exhibit. *125 attendees.*
- Met with the Jackson Soil and Water Conservation District, the Bear Creek Watershed Council, and a local engineer to discuss erosion along Jackson Creek in Central Point. Presented information on the Hanley Road Culvert, Twin Creeks Restoration, and restoration of Urban Streams.
- Streamside Gardening workshop at OSU Extension, Hanley Rd - attended and participated in Streamside Gardening Workshop sponsored by OSU Extension. RVCOG contributed photos and info for presentation. In addition, RVCOG

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- provided input and experience for using native plants and managing invasive species through their experience in riparian restoration through the valley since 2003. RVCOG also provided assistance in the field portion of the class which was held at Twin Creeks Development and provided background on the Twin Creek Project, restoration of the Griffin Creek Channel, and Stormwater Management features located throughout the development. *14 attendees representing watershed councils, landowners, contractors, and City representatives. 14 attendees. 24 brochures distributed.*
- RVCOG hosted a meeting with DLCD, DEQ, and a special guest from North Carolina State University to discuss alternative funding for watershed restoration and the new FEMA requirements requiring wider riparian buffers. *35 attendees.*
 - Field tour of the Denman Wildlife Management area with students from Crater High. Discussed a wide range of topics including vernal pools, water quality, urbanization, and stewardship. *45 attendees.*
 - Hosted the virtual stormwater summit on March 20, 2013. Summit included live on demand webinars, speakers, and other information. *2 attendees.*
 - Worked with DEQ to integrate stormwater and TMDL outreach and how to potentially integrate the programs with the Stream Smart Program.
 - Met with a member of the MPO Policy Committee and Oregon Transportation Advisory Committee and presented information on regional stormwater detention associated with transportation projects and greenways/trails.
 - RVCOG participated in or arranged stormwater-related presentations by guest speakers featured at Bear Creek Watershed Council, Bear Creek TMDL, and Rogue TMDL meetings.
 - Hosted a webinar “Soils Role in Processing Pollutants: Case studies of Green Infrastructure and Carbon Sequestration. *8 attendees.*
 - Field tour of the mouth of Bear Creek and the former Gold Ray Dam site and work day planting willows at Gold Ray Dam. Discussed a wide range of topics including restoration, urbanization and flooding, water quality, fish and fish habitat, and invasive species. *70 attendees.*
 - Salmon Watch instructor field tour at the Gold Ray Dam and mouth of Bear Creek sites. Provided information about the site history, work completed, restoration, and work being done throughout the region. *15 attendees.*
 - Whetstone Creek field tour for agency personnel with the OWEB grant review team to discuss the need for (and pending application) for restoration and invasive species management work. *10 attendees.*
 - Whetstone Creek monitoring field tour. Assisted Southern Oregon University in leading a field tour outlining the upcoming Whetstone Creek monitoring program which is evaluating conditions in the watershed during the irrigation season and stormwater. *13 attendees.*
 - Met with representatives from OSU Extension, BCWEP, contract educators, and students and teachers from Talent Middle Schools to discuss video concepts, what we were trying to accomplish with the filming of the Salmon Watch video, background of the programs providing funding support for the project, and presented key concepts that we wanted to capture. *12 attendees.*

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Public Involvement and Participation Program

Public Review/ Public Meetings

- RVCOG attended Bear Creek Watershed Council meetings and regularly discussed Phase 2 activities in the Partner Report section of the Council meetings.
- Larson Creek Restoration Kick-Off Celebration 9/12/12 - Public celebration conducted as part of the Bear Creek Watershed Exploration Month. Event was onsite at Ron Mayerle's property to explain the project, thank the partners and volunteers, and ask for help to complete the project.
- Worked with RVS to staff a booth at the Battle of the Bones Event in Central Point. In addition, established a geocache at Twin Creeks to tie into the event to provide families an opportunity to learn about stream restoration, stormwater management, and the Bear Creek Watershed.

Distribute News Releases:

- "Clean Creeks Start at Home" article featured in November 24th, 2012 Mail Tribune. Article focused on managing stormwater runoff emphasizing what you can do at home (e.g., Yard Care, Maintaining Cars, Picking up After your Pets, Rain Barrels, etc.).
- A summary of the Salmon Watch program was featured in the Fall 2012 RVCOG newsletter, the E-Link. The summary discussed the overall program, and partners including the Rogue Valley Stormwater Program. The newsletter is emailed to 500 people, is available online, and was distributed at TMDL meetings.

Stormwater Advisory Team:

- RVCOG participated in SWAT meetings and other meetings. RVCOG reviewed and provided comments on documents, presentations and programs, reviewed and shared copies of external regulatory documents and other sources of current stormwater information, and gave regular updates to the SWAT on outreach and public involvement activities.

Chronological Summary Table of Public Outreach, Education, Involvement and Participation for 2012-2013

Date	Activity and Location	Participants
9/12/2012	Larson Creek Kick off Celebration	15
9/18/2012	Bioretention Webinar	10
10/11/2012	Streamside Gardening Workshop in Central Point.	14

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11/8/2012	DLCD/FEMA/Funding Workshop	35
11/9/2012	Class tour and work day at Gold Ray Dam with Crater High School.	70
12/5/2012	Salmon Watch Field Tour	15
12/13/2012	Whetstone Field Tour	10
1/24/2013	Pollutants Webinar	8
February through May 2013	Salmon Watch 15 Classes	600
3/18/2013	Riparian Practitioners Workshop	20
3/20/2013	Virtual Stormwater Summit	2
3/20/2013	Denman Wildlife Management Area Field Trip with Crater High	45
3/23/2013	Living on Your Land Stewardship Conference	35
3/23/2013	Taught Class at Land Stewardship Workshop	12
4/5/13 and 4/6/13	Table at the Grange CO-OP	30
April 18th through 20th, and April 25th through the 27th	Phoenix High School Musical "Urinetown"	40
4/20/2013	"Urinetown Curtain Call Speech"	125
4/23/2013	Whetstone Monitoring Field Tour	13
5/24/2013	Native American Ecological Education Symposium	35
6/19/2013	Geocache established in Twin Creeks near Griffin Creek. Number of unique users logging visits to the cache in the permit year.	4
June 21st through June 23rd, 2013	Battle of the Bones	