



ANNUAL NPDES PHASE II REPORT FOR FISCAL YEAR 2015

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
Tel. (541) 664-6300, Fax (541) 664-7171 www.RVSS.us

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ANNUAL REPORT

NPDES PHASE II PERMIT Number 102899 AND 1200C PERMITS

FISCAL YEAR 2015

Rogue Valley Sewer Services

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 (SWMP) from 2004. All best management practices (BMP) listed as a part of the original SWMP were continued in FY 2015. 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 2015 (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 its Phase II Program and 1200C Permit are in compliance, and are appropriate and progressing toward achieving their measurable goals.

The Program-at-a-Glance describes RVSS' programs in detail, while Appendix A provides documentation (in brief) of BMP implementation. Appendix B contains annual reports from the communities that RVSS serves (in brief) and Appendix C consists of the Rogue Valley Council of Governments' annual report to RVSS. As a backup for this annual report, RVSS has detailed documentation for meetings attended, presentations given, Operations and Maintenance (O & M) activities, a 1200C database, enforcement database, etc. Any of this information can be made available to DEQ upon request.

Major accomplishments for Fiscal Year 2015 are as follows:

- In FY14, the Stormwater Advisory Team determined that additional training was needed for public works staff on responding to spills of unknown origin. Therefore in FY15, RVSS and the City of Ashland collaborated to put on a *Hazardous Materials Awareness* training for public works staff in the Rogue Valley.

Speakers at this training included the Chief of the Medford Fire Department and an ODOT trainer from Portland. The training was attended by 33 for a total of 115.5 hours.

- RVSS purchased two “Fish Friendly” car wash kits for the City of Central Point to be used during fundraising car washes to direct soapy water away from the stormwater system. The city sent an informational mailer to all Central Point schools and churches to let them know the kits are available and free to use.
- Launched the Stream Smart website, www.stream-smart.com, which introduces stormwater quality issues and solutions to the general public, business owners, streamside residents and construction contractors. RVSS led a cooperative effort amongst the Bear Creek Watershed Council, Jackson Soil and Water Conservation District and DEQ to create and launch this site. In addition, a Facebook page was launched, and stickers have been produced with the logo, which are distributed at community events. As part of the Stream Smart program, Designated Management Agencies (DMA) within the Bear Creek Watershed worked to create unified educational signage for public Low Impact Development (LID) stormwater quality treatment features. The Stream Smart logo and a QR code have been integrated into the sign design. Signs will be installed in FY16.
- Together, RVSS and the Jackson Soil and Water Conservation District held Rain Garden workshops in Talent and Phoenix, to introduce the idea of stormwater management and provide residents with the tools to install a rain garden and reduce stormwater runoff from their property. The workshops were attended by 14 and 9, respectively. Pre and post-tests showed an increase in knowledge of 38% following the workshop.
- RVSS is interested in promoting the use of LID in the Rogue Valley but recognizes that there is a lack of knowledge and tools available to facilitate implementation of LID. Thus, RVSS served on the Technical Advisory Committee for the Western Oregon LID Guidance Manual, an initiative led by the Oregon Environmental Council and Maria Cahill of Green Girl Consulting to create a guide that will facilitate the use of LID in small communities.
- In addition to serving on the LID Technical Advisory Committee, RVSS teamed with Jackson Soil and Water Conservation District and Oregon State Extension to provide LID presentations to the City of Central Point and the City of Phoenix councils. The presentations introduced the city councils to LID and informed them of the upcoming Guidance Manual and how it will be utilized in the Rogue Valley.
- In partnership with the Rogue Valley Council of Governments (RVCOG), RVSS organized a water quality bike tour of LID facilities, to introduce the public to stormwater management facilities and explain their purpose and function. The event was attended by 18 and pre and post-tests showed an increase in knowledge of 37% following the ride.



Stream Smart Logo

Visiting RVSS' pervious parking lot during the water quality bike ride



- RVSS works with Phase II communities to identify opportunities to create LID stormwater management. In August 2014, RVSS renovated a stormwater treatment wetland in the City of Talent that had become silted-in and overgrown with invasive vegetation, such that stormwater was backing up and flooding streets. Following the wetland project, hydrology and vegetation were monitored and no flooding has occurred since renovation. RVSS' field staff has restored the capacity of the stormwater wetland to store and treat stormwater runoff in Talent through the re-grading of the basin. In addition, RVSS has provided assistance with LID incorporation into the City of Phoenix's Urban Renewal project.



Stormwater wetland in the City of Talent renovated by RVSS to improve stormwater quality and quantity management

B.2.b Information Collected and Analyzed

RVSS continues to hold bi-annual Erosion Prevention and Sediment Control (EPSC) Inspector classes for the Rogue Valley. These classes have helped increase contractor, municipal staff and engineer knowledge of the NPDES program and 1200C and 1200CN requirements, as well as provide information on how to install and maintain appropriate EPSC BMPs. Pre and post-testing is used to assess the effectiveness of the classes, and in FY15 average scores improved from 28% to 42% as a result of the class.

Rain Garden workshops were held in the spring in Phoenix and Talent, with pre and post quizzes showing an average increase in understanding of 38% for both workshops.

B.2.c Major Goals for FY16

- Work with the LID Technical Advisory Committee to finalize the LID Guidance Manual for small communities in Western Oregon.
- Hold a workshop for city staff on implementation and use of the new LID Guidance manual.

- 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.
- Continue the dry-season illicit discharge monitoring program aimed at identifying hotspots.
- Increase flood storage capacity and improve stormwater treatment through restoration of an existing stormwater swale in the City of Talent. This stormwater wetland has filled with sediment and vegetation over the years, such that stormwater runoff can no longer enter it and instead backs up into the street.
- Continue serving on DEQ's Technical Advisory Committee for the Phase II permit renewal, with the goal of developing an effective, implementable permit in the next year.

B.2.d Changes to the SWMP

No changes to the BMPs or measurable goals outlined in the 2004 SWMP were undertaken in FY15. However, some minimum control measure programs described in the renewal application were started.

B.2.e Annexations

The City of Central Point added 1.01 acres into the City limits at 4173 Hamrick Road Map lot 372W03C TL 3300. No annexations occurred in the cities of Talent or Phoenix during FY15.

B.2.f Reliance on Other Government Entities

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 so that the city could directly collect a portion of the stormwater fee assessed to properties and paid to RVSS exclusively for implementation of the Phase II program. As a result of the decreased revenue collected by RVSS, responsibility for stormwater quality capital improvements has been transferred from RVSS to the City of Central Point. In 2013, Central Point requested to increase the portion of the stormwater fee that the city collected, further decreasing the revenue available to RVSS for implementation of the Phase II program. Consequently, the IGA between the City of Central Point and RVSS was modified such that the City is now responsible for implementation of Public Education and Outreach and Public Involvement BMPs within their 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, updating and effecting the stormwater quality design manual, adapting education programs, providing brochures, and creating an enforcement strategy for issuing stop work orders and/or monetary penalties. The number and nature of enforcement actions in FY15 are:

- Construction related enforcement actions are listed under the 1200C and CN section below.

- A civil fine of \$780.00 was assessed against Commercial Property Management for a sanitary sewer overflow on January 11, 2015. The value of the fine was equivalent to the expense incurred by RVSS staff during the clean-up of the overflow.
- A \$500 fine was issued to a resident at 7877 Ajax Avenue, White City, OR 97503, for connection of a washing machine drain line to the stormwater system.
- Notices were issued to 18 food service establishments in FY15 for violation of RVSS' Fats, Oils and Grease policy; of these, two establishments corrected the violations within the year.

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 1200C permits. A total of five 1200CN permits and one 1200C permit were issued in FY15. In addition, four 1200CN permits were renewed and seven were terminated. See Appendix A, Section 5.0 for a list of current and terminated 1200C and 1200CN permits in FY15. RVSS' Standard Operating Procedure is to inspect permitted sites at the following times:

- Before the start of construction, but after BMPs have been installed to ensure compliance with the approved ESC plan.
- Within 1 business day before a forecasted rain event of 0.5 inch or more.
- Within 1 business day after a rain event of 0.5 inch.
- Within 1 business day after receiving a complaint about a construction site.

In addition to taking on responsibility for issuance of the 1200C program, RVSS continues to offer bi-annual Erosion Prevention and Sediment Control (EPSC) Inspector courses. These courses help to ensure that Designated Inspectors understand how to correctly implement, monitor and maintain an EPSC plan. In addition, in FY15 two of RVSS' own inspectors were certified as Certified Erosion and Sediment Control Lead (CESCL) Inspectors.

Number and Nature of Enforcement Actions in FY15:

- RVSS issued 12 Brown Tags and two Stop Work Orders for violation of erosion prevention and sediment control rules at construction sites within the MS4 boundary.
- Two Notices of Non-Compliance with fines of \$500 each were assessed against Whittle Construction for non-compliance with RVSS Code 4.05; specifically, the contractor failed to install BMPs, resulting in dirt in the street and concrete washout in a stormwater drain.

3.0 CONCLUSION

RVSS and its 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 2014, however RVSS has continued to work toward increasing the effectiveness of the BMPs outlined in the existing Stormwater Management Plan.

Stormwater Implementation “Program-at-a-Glance” FY15

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 through program Level 3 – program changes behavior	Yes/Levels 1,2,3	FY15 – Revenues and expenses for SW Utility Fund: Total revenues of \$239,626 compared to expenses of \$55,180. Does not include staff time & expenditures by Phase II Communities. FY16 – Adopted budget includes revenues and expenses for SW Utility Fund. Total projected revenues of \$245,000 compared to anticipated expenses of \$170,800. Does not include staff time and other expenditures provided by RVSS Phase II Communities.
2.1 Public Education	Develop a SW Education and Outreach Strategy (2.3.1)	Stormwater Advisory Team (SWAT), including the 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 and 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	FY15 – Quarterly SWAT meetings were held this year at which the SWMP was evaluated and a project to label LID features was discussed. FY16 – Continue quarterly SWAT meetings to continue to discuss SW issues.
2.2 Public Education	SW 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	FY15 – <ul style="list-style-type: none"> • Approximately 1,000 brochures were printed and distributed within RVSS Phase II Communities in 2015, of which one brochure is a general brochure on stormwater management. • RVSS discussed the new Stream Smart website in a newsletter to its customers. • Central Point issued quarterly newsletters with articles related to stormwater to households within the city boundaries. FY16 – Continue to update and distribute brochures, and issue newsletters when possible.
2.3 Public Education	Targeted SW Brochures (2.3.3)	RVSS Stormwater Program Coordinator in coordination with RVCOG	Determine targeted groups through SWAT. Develop brochures for erosion control (see Section 5.6) and targeted brochures for homeowners describing development requirements.	Develop an erosion control brochure and include in all building permits by Year 3. SWAT agreed to create brochures for additional targeted groups. 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	Yes/Levels 1,2,3	FY15 – RVSS and RVCOG distributed 1,000 of the following brochures that include hotline numbers within the RVSS Phase II Communities: <ul style="list-style-type: none"> • Stormwater Management • Erosion and Sediment Prevention • Stream and Wetland Enhancement Guide • Taking care of streams in Jackson County • Painting Without Polluting • Creeks and Concrete Don’t Mix • Oil and Stormwater • Yard Card at Home • RVSS talked with, as well as sent letters and brochures to residents and contractors as needed. FY16 – Continue to update and distribute brochures.



Stormwater Implementation “Program-at-a-Glance” FY15

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
2.4 Public Education	Storm Drain Stenciling (2.3.4)	RVSS will coordinate efforts with RVSS Phase II Communities	RVSS will ensure the development of a program for storm drain inlet stenciling, inspections, and maintenance. Require all new developments to mark storm drains for no dumping.	<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	This BMP has been completed. RVSS Phase II communities, and Medford and Ashland have developed ordinances and/or are conditioning projects to require new developments to mark drains. All storm drains existing within RVSS’ MS4 boundary at the time of permit issuance were marked by 2011. RVSS Phase II communities will maintain storm drain markers; any missing or damaged markers will be replaced.
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 105% increase in knowledge from Salmon Watch classes.	<p>FY15 –</p> <ul style="list-style-type: none"> RVCOG administered a Salmon Watch and Streamwise program for 12 classes, reaching a total of 550 students. RVSS used its watershed model at the Bear Creek Watershed Education Partners (BCWEP) Symposium reaching ~200 students. RVCOG and other partners had many displays, presentations and educational activities throughout the year; see Appendix C for a detailed list of activities, dates and numbers reached. <p>FY16 – 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>
2.6 Public Education	Work with Volunteer Groups on SW 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.	<p>Assist volunteer groups contacting SWAT.</p> <p>Contact at least 5 volunteer organizations to discuss and promote SWQ education.</p> <p>Same as 2.5.</p>	Yes/Levels 1,2	<p>FY15 –</p> <ul style="list-style-type: none"> RVCOG met with over 20 volunteer based groups to discuss and work on projects involving stormwater management issues. For a complete list of activities with volunteer groups see Appendix C. RVSS has continued to serve on the board of the local watershed council and supports and coordinates with the council on all stormwater related public education activities. <p>FY16 – Continue to meet with local organizations to offer education opportunities and meet with local education organizations to determine the best education approach for stormwater quality.</p>



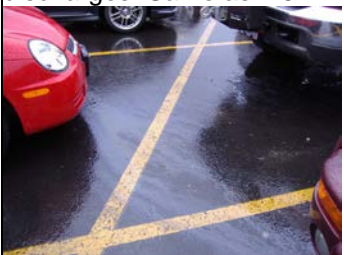
Stormwater Implementation “Program-at-a-Glance” FY15

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
2.7 Public Education	Develop a SW 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 was presented. Same as 2.5.	Yes/Levels 1,2	<p>FY15 –</p> <ul style="list-style-type: none"> RVSS gave presentations to the Central Point and Phoenix city councils and the Rogue TMDL work group on LID, what it is and what is happening regionally. RVSS gave presentations on the new Stream Smart program to RVSS and the Bear Creek TMDL work group. RVSS and the Jackson Soil and Water Conservation District partnered to put on Rain Garden workshops in Talent and Phoenix, attended by 14 and 9, respectively. Pre and post-tests showed an increase in knowledge of 38% following the workshop. RVSS and RVCOG partnered to organize a bike tour of LID stormwater management features. The tour was attended by 18 cyclists and visited six stormwater management features. Pre and post-tests showed a knowledge increase of 37% as a result of the ride. RVSS presentation dates and attendance are documented in Appendix A Sections 2 and 3. RVCOG either hosted presenters or gave presentations on stormwater topics at least seven times to 356 residents of the Rogue Valley. Documentation is available in Appendix C. <p>FY16 –</p> <ul style="list-style-type: none"> Rotate leadership of SWAT meetings between RVSS, Medford & Ashland. Continue to give stormwater quality presentations as needed and requested. Continue to conduct new Designated Erosion and Sediment Control Inspectors Class for the RVSS Construction Permit and 1200C permit.
2.8 Public Education	Create SW Public Service Announcements (PSAs) (Optional 2.3.8)	None assigned	PSAs.	Not required, but will record any that occur each year. Same as 2.2.	Yes/Levels 1,2,3	<p>FY15 –</p> <ul style="list-style-type: none"> RVCOG was featured on the Jefferson Exchange of the Jefferson Public Radio show talking about stormwater. Additionally, RVOG was interviewed by Channel 10 News regarding the impact that urban runoff has on water quality. An article in the Mail Tribune ran, titled <i>Bacteria Woes Force More Summer Creek Closures</i> and discussed impacts of urban runoff on water quality. Dates are included in Appendix A section 3.0. Additionally, RVSS mailed a newsletter to all of its customers introducing the new Stream Smart website which launched in December 2014. <p>FY16 – Look for opportunities to send out news releases, newsletters or other PSAs with articles on the Phase II program and 1200C Permit.</p>
2.9 Public Education	Design a SW 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	<p>FY15 – RVCOG created new materials for streamside landowners, soils activities, kids activities, and revised posters to highlight information available on and connections to the Stream Smart Program.</p> <p>FY16 – Continue displays and demonstrate educational model at community events.</p>
2.10 Public Education	Create SW 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 FY09 with links to SWQ information for Phase 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	<p>FY15 –</p> <ul style="list-style-type: none"> RVSS led the Bear Creek Watershed Council and the Jackson Soil and Water Conservation District through creation of a new website focused on water quality issues. Visit www.stream-smart.com to take a look. Since launching in Dec. 2014 there have been 6,717 unique visitors and 22,824 visits. RVSS remodeled its website which now includes a stormwater management page that contains information for contractors on post-construction and erosion and sediment control information, as well as information for the general public. Visit www.rvss.us. <p>FY16 – RVSS is working to put in place funding to keep the Stream Smart site up and running for at least five years. Additionally, RVSS will continue to update the websites as needed.</p>




Stormwater Implementation “Program-at-a-Glance” FY15

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
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	FY15 – <ul style="list-style-type: none"> Public notices were published as noted in 2.8. RVSS and RVCOG partnered to organize a bike tour of LID stormwater management features. The tour was attended by 18 cyclists and six stormwater management features were visited. Pre and post-tests showed a knowledge increase of 37% as a result of the ride. FY16 – Continue to participate in public meetings.
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. RVSS’ program recognized by EPA.	Yes/Levels 1,2,3	FY15 – Same as 2.8 above. FY16 – RVSS expects to issue a newsletter explaining the renewed Phase II program, when that occurs.
3.3 Public Involvement	SW 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	FY15 – Meetings were held 7/16/15, 10/15/15, 1/15/15, 4/15/15 and were attended by 7 to 14 people, including representatives from the cities of Medford, Ashland, Central Point, Eagle Point, Phoenix, Talent, Rogue River, Gold Hill and Jackson County. FY16 – Conduct SWAT meetings at least quarterly to continue regional approach to stormwater management, including cities of Medford, Ashland, and Eagle Point 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 are 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,	RVSS Phase II Communities have met this measurable goal. RVSS Phase 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. RVSS will continue to document the locations of newly installed stormwater quality features.
4.2 Illicit Discharge Program	Ordinance to Prohibit Non-SW Discharge (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	This BMP has been completed. RVSS continues to implement RVSS’ Stormwater Ordinance through education, notices, stop work orders and monetary penalties for illicit discharges.

Stormwater Implementation “Program-at-a-Glance” FY15

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
4.3 Illicit Discharge Program	Detect and Address Non-SW Discharge (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	FY15 – <ul style="list-style-type: none"> RVSS developed an IDDE plan, including a DEQ approved QAPP, in 2013. In addition, RVSS has a program to inspect Food Service Establishments (FSE) for proper disposal of Fats, Oils and Grease (FOG Program) for a total of 253 businesses. As documented in the RVSS Fats, Oils and Grease Inspection Program Overview, in Appendix A, 29 inspections of FSE's were carried out from which 18 violations were found. Two violations were corrected within the year. RVSS purchased two car wash kits for the city of Central Point which will be used to direct soapy water away from the stormwater system during all fundraising car washes. FY16 – Continue to implement FOG, Spill Response and IDDE Programs with revisions as needed for RVSS Phase II Communities. Work with RVCOG, cities and county to better utilize their employees for inspection and documentation.
4.4 Illicit Discharge Program	Conduct Field Inspection (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	FY15 – General inspections for dry weather flow were conducted in FY15, and no flowing outfalls were found. FY16 – 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. 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	FY15 – <ul style="list-style-type: none"> RVSS has developed and implemented a spill response plan. Additionally, in FY15, RVSS initiated discussions with regional DEQ staff and OERS to determine responsibility for spill response, documentation and final cleanup. No resolution was reached with DEQ. FY16 – Continue to implement spill response plan and continue to respond to hotline calls for spills.
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	RVSS Phase II Communities have met this measurable goal. RVSS will continue to implement and enforce the ordinance including issuing fines when pollutants enter the 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	FY15 – With the assistance of the City of Ashland, RVSS organized and put on a Hazardous Materials Awareness training Oct. 14, 2014 for public works staff in the Rogue Valley. The 3.5 hour training was attended by 33 for a total of 115.5 hours. The Medford Fire Chief and ODOT trainer were the speakers for the training.


Stormwater Implementation “Program-at-a-Glance” FY15

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
			  			
5.1 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.	<p>Adopt Design Manual by Dec 2005 and Ordinance by June 2006. Reviewed RVSS Phase II Communities ordinance for conflicts to RVSS Ord.</p> <p>RVSS will be DEQ’s agent responsible for permit reviews, inspections, and enforcement.</p> <p>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</p>	Yes/Levels 1,2,3,4	<p>This BMP has been completed. 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. At that time, ordinance 4.05.100 was adopted which lists allowed discharges to the stormwater system. In 2011, subsection 4.05.110 of the stormwater ordinance was amended to include RVSS’ issuance of 1200CN permits for sites between one and five acres.</p> <p>RVSS will continue to manage 1200CN and 1200C Permits, enforce Stormwater Ordinance, track permits and adapt ordinance as needed.</p>
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.	<p>Document and report the number of hours spent on training.</p> <p>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</p>	<p>Yes/Levels 1,2,3,4</p> <p>Knowledge level raised through classes based on pre-test scores of 61% and 54% and post-test scores of 92% and 89%.</p>	<p>FY15 –</p> <ul style="list-style-type: none"> RVSS held Erosion Prevention and Sediment Control Designated Inspector trainings on 2/10/15 and 5/28/15, attended by 18 and 8 engineers, public works staff and construction contractors, respectively, for a total of 156 training hours. On average, scores from pre to post-tests increased by 42% and 28%. RVSS inspectors also provided additional training to contractors in the field because many contractors and home builders do not have a good understanding of erosion and sediment controls for construction projects and are not required to take the course. Two of RVSS’ inspectors attended Certified Erosion and Sediment Control Lead (CESCL) Training, for a total of 32 hours of training. <p>FY16 – Revise course to reflect new permit requirements once 1200C and 1200CN are renewed. Continue education of contractors, engineers and municipal staff.</p>

Stormwater Implementation “Program-at-a-Glance” FY15

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. Level 1 – adopt ord. and 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	FY15 – <ul style="list-style-type: none"> 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 a site visit prior to approving termination. A total of five 1200CN permits and one 1200C were issued in FY15. In addition, four 1200CN permits were renewed and seven were terminated. FY16 – RVSS as a 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 Phase II Communities	Receive and document public calls on SWQ issues from construction sites. Several brochures list phone numbers for the public to report SWQ issues, such as construction activities.	Develop a 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 community awareness not to dump in storm drain Level 3 – require cleanup of discharge Level 4 – pollutants reduced	Yes/Levels 1,2,3,4	FY15 - RVSS has a Hotline number on its website homepage for complaints. A record is made of each call and RVSS responds to calls as appropriate. No hotline calls were received in FY15 regarding ESC issues from construction sites. FY16 - RVSS will continue Hotline number record keeping and responding to calls including documentation of call resolution.
5.5 Construction Site Program	Inspect Construct. 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	FY15 – Conducted pre-construction inspections and numerous on-site verbal discussions with contractors. <ul style="list-style-type: none"> RVSS issued 12 Brown Tags and two Stop Work Orders for violation of erosion prevention and sediment control rules at construction sites within the MS4 boundary Two Notices of Non-Compliance with fines of \$500 each were assessed against Whittle Construction for non-compliance with RVSS Code 4.05; specifically, the contractor failed to install BMPs, resulting in dirt in the street and concrete washout in a stormwater drain. In addition to the 1200CN permits, small site Storm Drain Permits for sites < 1 acre were issued: Central Point issued 77, Talent issued 21, and Phoenix issued 1. Jackson County discontinued issuance of Storm Drain Protection Permits in 2012. FY16 – 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 contractor's 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 Construct. Operators (5.3.6)	RVSS Manager	Provide notice of training for construction personnel using email and website.	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	FY15 – RVSS sent announcements of ESC trainings to 45 engineering and architecture firms, and construction contractor and government offices. Erosion and Sediment Control Inspector classes were conducted 2/10/15 and 5/28/15 and were attended by 18 and 8 engineers, public works staff and construction contractors, respectively, for a total of 156 training hours. Notices were also posted on RVSS' website. FY16 – Continue to distribute notices of trainings offered via email contacts and posting on RVSS' website.

Stormwater Implementation “Program-at-a-Glance” FY15

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-Construct. SW Program	Ordinance Requiring Post-Construct. Control (6.3.1)	RVSS Manager	Adopt an ordinance that requires post-construction runoff controls.	RVSS to adopt post-construction control ordinance. 	Yes	This BMP has been completed. RVSS adopted ordinance 6/1/06 which requires that the Rogue Valley Stormwater Design Manual is followed. RVSS will continue to implement and enforce the Design Manual for post-construction runoff protection. Furthermore, RVSS will document stormwater quality features installed by location, type, and expected maintenance, and procedures including features installed by RVSS. Assist other cities in their review of RVSS' Design Manual if requested.
6.2 Post-Construct. SW Program	Develop a Plan to Address Post-Construct. Runoff (6.3.2)	RVSS Manager	Adopt SWQ Design Manual including post construction BMPs.	<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	This BMP has been completed. RVSS adopted the Rogue Valley Stormwater Design Manual in 2006, through ordinance 06-01, 2006. The cities of Medford and Ashland have also adopted the Rogue Valley Stormwater Quality Design Manual in order to bring regional consistency to development standards. FY15 – RVSS has been an active member of the Technical Advisory Committee for the Low Impact Development Guide for western OR. This will provide much needed guidance on the planning, design and implementation of LID features. FY16 – RVSS anticipates adopting this manual upon completion in 2016.
6.3 Post-Construct. 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	FY15 – <ul style="list-style-type: none"> Post-construction stormwater management plans are reviewed by RVSS' Engineer and SW Coordinator to ensure they comply with the Design Manual. A webinar was hosted by RVCOG on Erosion Control Systems & Their Role in Green Infrastructure Designs. Additionally, RVSS held a training on LID Operation and Maintenance by Maria Cahill attended by 10 public works staff and landscape architects. FY16 – RVSS will hold a training on adopting and using the new LID Guidance Manual.
6.4 Post-Construct. SW Program	Site Plan Review for Post-Construct. 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. and documented reviews. Level 2 – raised engineers' and 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	FY15 – RVSS reviewed stormwater management plans for ten developments within RVSS' jurisdiction. FY16 – RVSS will continue to review plans for stormwater management features as they come into our office and will continue to conduct post-construction inspections.

Stormwater Implementation “Program-at-a-Glance” FY15

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-Construct. SW Program	Inspection of Structural Post-Construct. BMPs (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 BMPs work properly. Level 1 – adopted ord. and documented reviews. Level 2 – raised engineers and 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	FY15 – <ul style="list-style-type: none"> Following construction, features were inspected to ensure their installation was consistent with site plans. Continued implementation of Stormwater Ordinance and record keeping system to track structural BMPs installed in RVSS Phase II Communities. RVSS inspects stormwater quality features following 0.5inch storm events and cleans as needed. Removed ~13.18CY of sediment and 1.28 CY of trash. Details of inspections and maintenance are provided in Section 6.0 of Appendix A. FY16 – RVSS will continue to inspect post-construction features upon installation completion. RVSS plans to develop Standard Operating Procedures for maintenance of stormwater quality features including LID features.
7.1 Pollution Prevention in Municipal Operations Program	Operations and Maint. Plan (7.3.1)	RVSS Manager working with PWD for Phase 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	FY15 – RVSS Phase II Communities completed the evaluation of Municipal Pollution Prevention/Good Housekeeping Practices developed by Center for Watershed Protection and included in Manual 9. It was determined that more training was needed in spill response and RVSS began organized training. Herbicide/pesticide application in 2015: Central Point – 1,525gal Jackson County – 27.2gal Phoenix – 20 gal Talent – 4 gal FY16 – RVSS Phase 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 work on spill response plans and documentation.
7.2 Pollution Prevention in Municipal Operations Program	Park and Open Space Maint. (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	FY15 – See 7.1 for O & M Plan. Central Point maintains 23 pet waste stations and distributed 120,000 bags. Phoenix maintains pet waste stations at three parks and used 18,000 doggy bags. Talent maintains 13 pet waste stations and distributed 38,000 doggy bags. For herbicide and pesticide use see 7.1 above. FY16 – RVSS Phase 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.

Stormwater Implementation “Program-at-a-Glance” FY15

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 vehicle washing facility with filtration system – Operation will be in O & M Plan. Jackson Co. – covered self-contained vehicle washing facility 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 vehicle washing facility. Operation will be in O & M Plan. RVSS – Use private washing or RVSS facility that includes oil/water separator. Effectiveness: Same as 7.2. 	Yes/Levels 1,2	<p>FY15 – RVSS contracted RVCOG to investigate current practices and more water quality friendly alternatives for vehicle washing at police and fire stations in Phoenix and Talent. See Appendix C, page 7 for more details.</p> <p>FY16 – No goals established.</p>
7.4 Pollution Prevention in Municipal Operations Program	New Construct. and Land Disturb. (7.3.4)	RVSS Manager and PWD for Phase II	Inspect permitted construction sites for SWQ violations.	<p>Record inspections, violations and follow up work needed for SWQ and document for annual report.</p> <p>Level 1 – adopt ord. and document installation, violations and 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</p>	Yes/Levels 1,2,3,4	<p>FY15 – 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 section 5 above. RVSS documents inspections for these permitted projects.</p> <p>FY16 – RVSS will continue as a DEQ Agent and will continue to inspect public construction projects for proper BMP installation and maintenance.</p>
7.5 Pollution Prevention in Municipal Operations Program	Dust Control Practices (7.3.5)	RVSS Manager and PWD for Phase II	Inspect permitted construction sites for SWQ violations	<p>Record inspections, violations and follow up work needed for SWQ and document for annual report.</p> <p>Level 1 – adopt ord. and 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 BMPs</p>	Yes/Levels 1,2,3,4	See 7.4.

Stormwater Implementation “Program-at-a-Glance” FY15

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	SW System Maint. (7.3.6)	RVSS Manager and PWD for Phase II	Implement maintenance activities and document.	Develop system to record maintenance activities and document for annual report. Level 1 – develop, implement and document installation and inspections Level 2 – raise staff awareness to meet procedure	Yes/Levels 1,2	<p>FY15 –</p> <ul style="list-style-type: none"> • Central Point – worked in Zone 2 (See appendix B) and video inspected 4.3 miles of mains and laterals <ul style="list-style-type: none"> – 2.73 miles of storm drain pipe, 53 manholes, 60 curb inlets, 89 catch/lynch basins, and 14 other water storage structures were cleaned – 18 cy of debris was removed – entire city swept at least once a week, removed 323 tons of material – annual leaf pickup removed 129 tons of leaves, up 30% from FY14 • Talent <ul style="list-style-type: none"> – swept 190 miles of street – 5 of 13 stormwater features were maintained – storm pipe was maintained, but amounts were not recorded – 130 bags of leaves were collected during the fall leaf pick up • Phoenix <ul style="list-style-type: none"> – swept 19.5 miles of street monthly removing a total of 60 cy of material – inspected 196 curb inlets and cleaned 35 removing 4 cy of material – inspected 60 catch basins of which 40 were cleaned removing 5 cy of material – inspected 196 manholes and cleaned 35 removing 4 cy of material – removed 14 tons of leaves through the fall leaf program • Jackson County <ul style="list-style-type: none"> – cleaned 175 pipes and inlets with hydrovac; removed 58 cy material – swept road system as required and when resources permitted, prioritized roads with ADT over 1000, sweeping those more frequently; removed 800 cy material <p>FY16 – Continue to work with RVSS Phase II Communities to better document maintenance activities.</p>
7.7 Pollution Prevention in Municipal Operations Program	Open Channel and Structural SW Controls (7.3.6.1)	RVSS Manager and PWD for Phase 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	<p>FY15 – Maintain records of maintenance activities:</p> <ul style="list-style-type: none"> • Central Point – requires residents to keep creeks clear of vegetation and debris • Phoenix – mows vegetation in open channels, maintains stability of banks and provides vegetation filter, no activity in 2014 • Jackson Co. – nothing to report • Talent – nothing to report <p>FY16 – Continue to work with RVSS Phase II Communities to document maintenance activities.</p>
7.8 Pollution Prevention in Municipal Operations Program	Road, Highway and Parking Lot Maint. (7.3.6.2)	RVSS Manager and PWD for Phase 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	<p>FY15 – Phase II communities documentation:</p> <ul style="list-style-type: none"> • Street sweeping – Central Point = 323 tons, Phoenix = 60 cy, Talent = swept 190 miles of street and JC = 800 cy • Deicer – JC = 35 gal/road mile on arterials and major collectors • Winter Sanding – JC = 350 cy on arterials and major collectors • CP has an Adopt a Street Program – 22 adopted streets totaling 14.68 miles – volunteers to clean at least 4 times per year <p>FY16 – Continue to work with RVSS Phase II Communities to document maintenance activities</p>

Stormwater Implementation “Program-at-a-Glance” FY15

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
7.9 Pollution Prevention in Municipal Operations Program	Flood Maint. Projects (7.3.6.3)	RVSS Manager and PWD for Phase 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 Point, 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 and flood management work Level 2 – raise staff awareness	Yes/Levels 1,2	FY15 – <ul style="list-style-type: none"> RVSS renovated a stormwater wetland in the City of Talent to alleviate flooding of streets upstream of the stormwater wetland and to improve treatment of stormwater runoff. Design, construction and monitoring of hydrology post-construction was conducted by RVSS. RVSS worked with the City of Phoenix to identify opportunities for LID stormwater management in their urban redevelopment project. FY16 – <ul style="list-style-type: none"> RVSS will monitor vegetation in the renovated stormwater wetland in Talent and plant as needed. RVSS will re-design and renovate a stormwater swale in the City of Talent that is no longer receiving runoff due to inadequacies in the original design. RVSS will continue to work with Phase II communities to identify areas requiring flood management that can also perform water quality improvement.
7.10 Pollution Prevention in Municipal Operations Program	Employee Training on O & M Implementation (7.3.7)	RVSS Manager and PWD for Phase 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	FY15 – <ul style="list-style-type: none"> With the assistance of the City of Ashland, RVSS organized and put on a Hazardous Materials Awareness training Oct. 14, 2014 for public works staff in the Rogue Valley. The 3.5 hour training was attended by 33 for a total of 115.5 hours. The Medford Fire Chief and ODOT trainer were the speakers for the training. RVCOG hosted a webinar titled <i>A New Way of Stormwater Management: Applying Asset Management to Stormwater Programs</i> FY16 – 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 Phase 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	FY15 – Submit annual report for Phase II and 1200C programs in accordance with DEQ requirements. FY16 – Continue to submit annual reports in accordance with DEQ requirements.



RVSS Erosion and Sediment Control Inspector Training



RVSS Erosion and Sediment Control Inspector Training

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 2015

Event	Location	Date	Visitors
Presentation to Bear Creek TMDL working group on Stream Smart	RVCOG	3/18/2015	15
Spill response training	RVCOG	10/14/2014	
LID O&M workshop by Maria Cahill	RVSS	9/15/2014	10
Presentation to Rogue Valley Sewer Services	RVSS	3/18/2015	20
Presentation to Rogue TMDL working group LID	RVCOG	4/15/2015	20
Presentation to Phoenix City Council on LID	Phoenix	4/20/2015	12
Rain Garden workshop	Talent	4/18/2015	15
Earth Day Festival	Ashland	4/25/2015	
Rain Garden workshop	Phoenix	5/2/2015	9
Presentation to Central Point City Council on LID	Central Point	5/18/2015	
Bear Creek Watershed Education Program Symposium	Santo Community Center, Medford	5/23/2015	200
Water Quality Bike Ride	Central Point	6/2/2015	18
Presentation to Bear Creek TMDL working group on Stream Smart	RVCOG	3/18/2015	15
Total Residents reached directly by RVSS:			504

Section 3.0 Public Involvement Documentation

Rogue Valley Sewer Services Public Involvement 2014

Organization	Frequency	Duration
Bear Creek Watershed Council Executive Committee- Chair	monthly meetings	2 hr
Bear Creek Watershed Council- General Meetings	monthly meetings	2 hr
Rogue River Watershed Council Board	monthly meetings	3 hr
Stormwater Action Team (SWAT)	quarterly meetings	2 hr
Association of Clean Water Agencies (ACWA) SW committee	monthly meetings	2 hr
Rogue TMDL workgroup	quarterly meetings	2.5 hr
Presentation: Stormwater 101 for Cities	4/15/2015	
Bear Creek TMDL workgroup	quarterly meetings	2.5 hr
Presentation: Overview of new Stream Smart website	3/18/2015	
Bear Creek Watershed Council Executive Committee- Chair	monthly meetings	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?
8/31/2014	City of Phoenix	Rebecca and 1st St.	sewer leak	flushed to storm drain manhole and sucked up sewage, repaired leak, no discharge to water of the state occurred	yes
10/16/2014	City of Talent	126 Suncrest Rd	sewer lateral connected to SW pipe	RVSS disconnected sewer lateral and connected to SW system	yes
12/28/2014	Central Point Derreck	Shell Station on Pine St	gas dumping	Shell hired a company to remediate spill but then discovered offender had returned to site and excavated soil himself.	yes
1/6/2015	Central Point	Greenbrier manufactured home unit 8	sewer overflow	RVSS flushed line, but private system so they need to fix problem	stopped overflow to creek

**ROGUE VALLEY SEWER SERVICES FATS, OILS, AND GREASE FY 2015
INSPECTION PROGRAM OVERVIEW**

New FSEs in RVS Sewer District in FY 2015:	1
Number of Inspections in FY 2015:	29
Number of FSEs in Violation in FY 2015:	18
Of those in Violation, Number of FSEs Fixed in FY 2015:	2
New Interceptors Installed in FY 2015:	1

Section 5.0 Construction Site Program Documentation

RVSS Erosion and Sediment Control Inspector Training in FY15

Average Quiz scores					
Class Date	Attendee #	Pre-test	% pre	Post-test	% post
2/10/2015	21	5	52	18	90
5/28/2015	8	6.6	66	18.4	93

Projects for which a Notice of Non-Compliance was Issued: FY 2015

Permit No.	Date of violation	RVSS inspector	Applicant/Violator Name	Violation	Notice of Non-Compliance	Was Issue Corrected?
Small lot	2/26/2015	DH	Clearview/Whittle	BMPs not installed, dirt in street	SW, willfull discharge, \$500 fine	yes, & paid fine
Small lot	6/4/2015	DH	Clearview/Whittle	concrete washout in curb & gutter	Willfull discharge, \$500 fine	yes, & paid fine 7-7-15

Projects for which a Brown Tag or Stop Work Order was Issued: FY 2015

Date	Address	Violation(s)	RVSS Inspector	1200CN Inspector or Resident Name	Brown Tag (BT) or Stop Work Order?	Was Violation Corrected? (Date)
7/16/2014	333 Clearview Pkwy Talent	dirt in street, catch basins not protected	DH	Randi Hansen	BT	
7/16/2014	243 Wintersage Talent	dirt in street, catch basins not protected	DH	Randi Hansen	BT	
11/19/2014	Bridge Cr Dr. b/t N Haskell & Rustler Peak St	heavy track out	BJ	Brett Moore	BT	yes
11/12/2014	Phoenix	diesel spill in C-19 <40gal	DH		BT	yes
9/26/2014	7877 Ajax Av. White City	gray water in storm drain	BJ		BT	yes, connected to sanitary

						sewer
10/27/2014	438 Laurel St. Central Point	need rock entrance, bio-bags	DH	Mason Hartford	BT	yes
11/21/2014	7404 Desert View Dr. White City	bio-bags needed	DH	Bob Fellows	BT	yes
2/2/2015	Whispering Trees	concrete washout on ground	JM	Travis Snyder	BT	yes
2/19/2015	Saddlebrook Meadows	BMPs not per plan, excessive track-out	BJ	John Janakes	BT	yes
2/26/2015	Clearview	BMPs not installed, dirt in street	DH	Whittle	SW	yes
3/2/2015	Stonefield ranch	track out and stock pile on sidewalk	BJ		BT	yes
6/2/2015	303 Cheryl Ln Phoenix	spoils in street and catch basin	DH		BT&SW	yes
6/23/2015	Twin Creeks Crossing	track out, bio-bags need mx	BJ	Bret Moore	BT	

1200C and CN Permits Terminated in FY 2015 in RVSS' Ph II Area

Termination Date	RVSS/ DEQ Permit Number	Site Common Name	Site Address	Permittee Legal Name
31-Jul-14	SWQ14-005-CN/ORR10-	HLT Gas & Mini Mart	730 N Main St, , OR	HLT INC
25-Aug-14	SWQ13-006/ORR10-	White City East	White City East, , OR	Avista Utilities
09-Oct-14	SWQ13-004/ORR10-	Stonefield Ranch Phase 3	Ave A and Gladstone Ave, White City, , OR	Bob Fellows
05-Nov-14	SWQ14-007-CN/ORR10-	White City Elementary	2830 Maple Ct, , OR	Jackson County School District #9
02-Dec-14	SWQ15-003/ORR10-	Dairy Queen	190 S Front St., , OR	RA Murphy
26-Jan-15	SWQ14-001-CN/ORR10-	Walgreens	43 Front St, , OR	Adroit Construction
07-Apr-15	SWQ14-004-CN/ORR10-	Avista White City West	various throughout White	Avista Utilities
09-Apr-15	115857/ORR10-A587	Agate Meadows Estates	Avenue A/Gladstone Ave,	CMH Parks, Inc
29-Apr-15	SWQ11-007/ORR10-	West Valley View	Talent Avenue, , OR	Talent Urban Renewal Agency

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Central Point	358 Meadowbrook Dr	Small Lot	2/2/2015
	Central Point	389 Live Oak Loop	Small Lot	4/7/2015
	Central Point	848 Virginia Dr	Small Lot	10/6/2014
	Central Point	1171 N Haskell	Small Lot	10/17/2014
	Central Point	1163 N Haskell	Small Lot	10/17/2014
	Central Point	398 Live Oak Lp	Small Lot	1/16/2015
	Central Point	400 Live Oak Lp	Small Lot	1/16/2015
	Central Point	402 Live Oak Lp	Small Lot	1/16/2015
	Central Point	404 Live Oak Lp	Small Lot	1/16/2015
	Central Point	555 Federal Way	Small Lot	1/27/2015
	Central Point	632 John Wayne Dr.	Small Lot	9/26/2014
	Central Point	231 Wysteria Cir	Small Lot	2/20/2015
	Central Point	636 John Wayne Dr	Small Lot	9/26/2014
	Central Point	509 Gray Ct.	Small Lot	3/2/2015
	Central Point	513 Gray Ct.	Small Lot	3/2/2015
	Central Point	5365 Teresa Way	Small Lot	3/24/2015

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Central Point	383 Live Oak Loop	Small Lot	2/25/2015
	Central Point	385 Live Oak Loop	Small Lot	2/25/2015
	Central Point	524 Gray Ct	Small Lot	4/2/2015
	Central Point	520 Gray Ct.	Small Lot	4/2/2015
	Central Point	528 Gray Ct	Small Lot	4/2/2015
	Central Point	348 7th St.	Small Lot	4/2/2015
	Central Point	209 Maxwell Pl	Small Lot	12/9/2014
	Central Point	636 John Wayne Dr.	Small Lot	9/26/2014
06-80	Central Point	Twin Creeks Crossing - phase 2	115275	5/24/2006
12-01	Central Point	Whispering Trees Subdivision	SWQ12-003	11/9/2011
	Central Point	625 Cherry St.	Small Lot	
	Central Point	658 Golden Park Dr.	Small Lot	5/13/2014
	Central Point	1321 Haskell St	Small Lot	5/14/2014
	Central Point	1144 Grouse Ridge	Small Lot	6/10/2014
	Central Point	1313 N Haskell St	Small Lot	1/2/2013
J233	Central Point	Freeman Rd CP	SWQ15-002-CN	8/29/2014

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Central Point	1980 Bluegrass Dr	Small Lot	8/11/2014
	Central Point	3287 Snowy Butte Rd	Small Lot	10/3/2014
	Central Point	632 John Wayne Dr	Small Lot	9/26/2014
	Central Point	FedEx Expansion Project	SWQ15-009-CN	4/6/2015
	Central Point	1970 Bluegrass Dr.	Small Lot	12/10/2014
	Central Point	848 Virginia Dr.	Small Lot	10/6/2014
	Central Point	724 Golden Peak	Small Lot	9/9/2014
	Central Point	2004 Rabun Way	Small Lot	9/9/2014
	Central Point	605 Stone Point Dr.	Small Lot	9/11/2014
	Central Point	216 Singing Grass	Small Lot	9/11/2014
	Central Point	214 Singing Grass	Small Lot	9/11/2014
	Central Point	154/156 Wind Song	Small Lot	9/19/2014
	Central Point	158/160 Wind Song	Small Lot	9/19/2014
	Central Point	501-505 Gray Ct.	Small Lot	8/28/2014
	Central Point	533 Gray Ct. lot 2	Small Lot	7/28/2015
	Central Point	223 Wysteria Circle	Small Lot	5/12/2015

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Central Point	3285 snowy Butte	Small Lot	5/15/2015
	Central Point	1141 Boulder Ridge	Small Lot	5/26/2015
	Central Point	1216 Boulder Ridge St.	Small Lot	6/29/2015
	Central Point	217 Trent Terrace	Small Lot	7/2/2015
	Central Point	510 Golden Peak Dr	Small Lot	6/25/2015
	Central Point	219/221 Singing Grass	Small Lot	7/21/2015
	Central Point	1117 Boulder Ridge	Small Lot	5/6/2015
	Central Point	548 Gray Ct. lot 12	Small Lot	7/28/2015
	Central Point	1329 N Haskell	Small Lot	7/28/2015
	Central Point	537 Gray Ct.	Small Lot	7/28/2015
	Central Point	872 Virginia Dr.	Small Lot	7/29/2015
	Central Point	1167 Boulder Ridge	Small Lot	8/10/2015
	Central Point	1159 Boulder Ridge	Small Lot	8/10/2015
	Central Point	1015 Crown Ave	Small Lot	8/7/2015
	Central Point	5195 Table Rock Rd	Small Lot	8/11/2015
	Central Point	246 Wysteria Cir	Small Lot	8/18/2015

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Central Point	526 & 518 Golden Peak Dr	Small Lot	8/18/2015
	Central Point	387 Live Oak Loop	Small Lot	4/7/2015
	Central Point	129 E Pine	Small Lot	5/8/2015
	Central Point	517 Gray Ct.	Small Lot	4/20/2015
	Central Point	517 Gray Ct.	Small Lot	4/20/2015
	Central Point	521 Gray Ct.	Small Lot	4/20/2015
	Central Point	1192 Boulder Ridge St.	Small Lot	4/13/2015
	Central Point	544 Gray Ct lot 13	Small Lot	7/28/2015
	Central Point	521 Gray Ct.	Small Lot	4/20/2015
	Central Point	Jackson County Justice Courts	SWQ15-010-CN	7/16/2015
	Central Point	500 Gray Ct. Lot 24	Small Lot	4/21/2015
	Central Point	1200 Boulder Ridge St.	Small Lot	4/13/2015
	Central Point	530 Stone Pointe Dr	Small Lot	4/20/2015
	Central Point	866 Holley Way	Small Lot	4/30/2015
15-07	Jackson County	Lisk Estates Phase 2	SWQ15-008-CN	4/6/2015
	Jackson County	Atlantic Partition	SWQ15-007	11/21/2014

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
14-04	Jackson County	Saddlebrook Meadows	SWQ14-009-CN	12/17/2014
07-05	Jackson County	Auburn Estates, Phase 1	116281	11/30/2006
	Phoenix	Knollcrest Development	SWQ15-001-CN	7/11/2014
	Phoenix	215 N Church St.	Small Lot	9/17/2014
	Phoenix	City on a Hill	SWQ14-006	3/4/2014
15-15	Phoenix	Phoenix Downtown Roadway Improvements	SWQ15-011-CN	8/20/2015
	Phoenix	Creekside Estates	SWQ14-003	11/12/2013
	Talent	1115 Kamerin Springs Dr.	Small Lot	
	Talent	413 Alpine Way	Small Lot	10/28/2013
	Talent	301 & 303 Rockfellow Pl	Small Lot	12/4/2013
	Talent	595 Rapp Rd	Small Lot	7/1/2014
	Talent	103 N Pacific Hwy #C	Small Lot	2/24/2014
	Talent	243 WINTERSAGE CIR	Small Lot	6/13/2014
	Talent	333 CLEARVIEW PKY TALENT	Small Lot	6/13/2014
	Talent	412 Creekside	Small Lot	5/6/2014
	Talent	1885 Summer Place	Small Lot	7/10/2014

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Talent	169 wagner butte	Small Lot	5/26/2015
	Talent	227 Wintersage Cir	Small Lot	7/23/2014
	Talent	309 Clearview	Small Lot	12/19/2013
	Talent	110 N Market St.	Small Lot	5/19/2015
	Talent	88 Lupree	Small Lot	1/20/2015
	Talent	168 Wagner Butte	Small Lot	6/3/2015
	Talent	168 Wagner Butte Rd	Small Lot	6/3/2015
	Talent	232 Sherwood Ct.	Small Lot	8/11/2015
	Talent	169 Wagner Butte	Small Lot	5/26/2015
	Talent	108 Poppy Bay	Small Lot	7/24/2015
	Talent	116 Poppy Bay	Small Lot	7/24/2015
	Talent	100 Poppy Bay	Small Lot	7/24/2015
	Talent	271 Rockfellow Pl	Small Lot	6/8/2015
	Talent	100 & 103 Valley View Rd	Small Lot	8/18/2014
	Talent	1019 Lithia Way	Small Lot	2/11/2015
	Talent	225 Wintersage	Small Lot	8/1/2014

RVS Projects with Active Erosion Control Permits
9/21/2015

<u>Pjt No</u>	<u>Location</u>	<u>Project Name</u>	<u>Permit No</u>	<u>Date Assigned</u>
	Talent	88 Lapree St.	Small Lot	10/31/2014
	Talent	104 E Main St	Small Lot	3/24/2015
	Talent	262 Wintersage	Small Lot	5/29/2015
	Talent	806 S Pacific Hwy	Small Lot	12/11/2014
	Talent	112 Foss Rd	Small Lot	11/24/2014
	Talent	406 CREEKSIDE WAY	Small Lot	10/24/2014
	Talent	Talent Community Center	SWQ15-006	
	Talent	1312 A Talent Ave.	Small Lot	5/21/2015
	Talent	1708 Talent Ave.	Small Lot	8/18/2014
	Talent	Talent ave. & Valley View Rd	Small Lot	8/18/2014
	Talent	718 Talent Ave.	Small Lot	9/14/2015

Section 6.0 Post-Construction SW Program

The following table contains data on stormwater quality features installed in RVSS' Phase II Area and inspection and maintenance activities performed by RVSS in FY2015.

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi-ment	Trash
Y	Central Point	77	Gebhard SWQ Structure	Proprietary System	Suntree	120	Bear Creek	N	8/14/2014	Annual Insp. Needs to have trash rack cleaned	3/16/2015	0.05	0
									9/25/2014	1/2" Rain Event, No Cleaning Needed	2/4/2015	0.25	
									10/31/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	Clean leaves from trash rack			
									3/16/2015	Clean leaves from front screen on feature			
Y	Central Point	14	Gray Court	Proprietary System	ADS	1.8	Bear Creek	N	8/14/2014	Annual Insp. No cleaning needed			
									9/25/2014	1/2" Rain Event, No Cleaning Needed			
									10/31/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	1/2" Rain Event, No Cleaning Needed			
									3/16/2015	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	33	Jewett Elementary School	Proprietary System	Environment 21	121	Mingus Creek	N	8/14/2014	Annual Insp. Needs to have trash and debris cleaned	9/22/2014	2.5	0.25
									9/25/2014	1/2" Rain Event, No Cleaning Needed			
									10/31/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, Trash Needs Cleaned			
									2/3/2015	1/2" Rain Event, No Cleaning Needed			
									3/16/2015	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	64	Upton Road Realignment	Proprietary System	CDS	4	Mingus Creek	N	8/14/2014	Annual Insp. Needs to have debris cleaned	3/19/2015	0.67	0.5
									9/25/2014	1/2" Rain Event, No Cleaning Needed	9/22/2014	0.125	0
									10/31/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	1/2" Rain Event, Sediment needs to be removed			
									3/16/2015	0.5" rain, cleaning req'd.			
Y	Central Point	111	Mid Valley Subdivision	Detention Pipe	ADS	0	Griffin Creek	N	8/14/2014	Annual Insp. No cleaning needed			
									9/25/2014	1/2" Rain Event, No Cleaning Needed			
									10/31/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	1/2" Rain Event, No Cleaning Needed			
									3/16/2015	1/2" Rain Event, No Cleaning Needed			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	Central Point	121	Creekside Village	Underground Detention Pipe / Manhole		0		N	10/31/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, Clean mud and debris from manhole	3/18/2015	0.25	0
Y	Central Point	156	Liberty Place	Proprietary System		0	Griffin Creek	N	10/31/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	Central Point	48	Scenic Heights Housing Development	Proprietary System	Contech	2.43	Bear Creek	N	8/14/2014 9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	Phoenix	49	4th Street Improvements	Proprietary System	Contech filters	0.3	Bear Creek	N	8/19/2014 10/23/2014 12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/16/2015	 Two filters came off, and were reattached Sediment mostly leaves needs cleaned Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. checked after 0.5" rain, no mx needed Inspected after 0.5in rain, no mx required.	12/18/2014 9/22/2014 10/24/2014	0.5 1 0	0 0.25 0
Y	Phoenix	93	E 4th Street SWQ Structure	Proprietary System	Suntree	90	Bear Creek	N	8/19/2014 10/23/2014 12/4/2014 12/29/2014 2/3/2015 3/16/2015	 Inspected after 0.5in rain, no mx required. Cage ok Needs bottom vac Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, Needs full service.	3/19/2015 12/18/2014 9/10/2014	0.1 0.5 0.75	0

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	Phoenix	133	Lawrence Extension/Chelsea Gardens	Proprietary System		0		N	8/19/2014 10/23/2014 12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/16/2015	No Maint. Required Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. 1st Chamber needs to be cleaned. Inspected after 0.5in rain, no mx required.	2/10/2015	0.125	0
Y	Phoenix	24	Huntley Subdivison	Proprietary System	CDS	2.92	Coleman Creek	N	10/23/2014 12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/16/2015	Inspected after 0.5in rain, no mx required. All three chambers need cleaned Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.	12/18/2014	1.5	0.03
Y	Phoenix	29	Home Depot-Phoenix	Detention Pond Sized for Water Quality		4.2	Bear Creek	N	8/21/2014				
Y	Phoenix	39	LA-Z-BOY Furniture	Home Depot Wet Ponds		0	Bear Creek	N					
Y	Talent	106	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	10/23/2014 12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/17/2015	Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5" rain, no mx required.			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	Talent	26	Park View Townhomes	Proprietary System	Stormwater3 60	0.729	Bear Creek	N	8/19/2014	No maint. Required			
									10/23/2014	Inspected after 0.5in rain, no mx required.			
									12/4/2014	Inspected after 0.5in rain, no mx required.			
									12/29/2014	Inspected after 0.5in rain, no mx required.			
									2/3/2015	Inspected after 0.5in rain, no mx required.			
									2/9/2015	Inspected after 0.5in rain, no mx required.			
									3/17/2015	Inspected after 0.5" rain, no mx required.			
Y	Talent	92	Gangnes Dr SWQ Structure	Proprietary System	Suntree NSBB	26	Wagner Creek	N	8/19/2014		3/19/2015	0.05	0
									10/23/2014	No maintenance required			
									12/4/2014	No maintenance required.	12/30/2014	0.02	
									12/29/2014	Inspected after 0.5in rain, sediment needs cleaned.	9/9/2014	0.25	
									2/3/2015	Inspected after 0.5in rain, no mx required.			
									2/9/2015	Inspected after 0.5in rain, no mx required.			
									3/16/2015	checked after 0.5" rain, Needs bottom vac.			
Y	Talent	95	Suncrest Stormwater Quality Structure	Proprietary System	Bio Clean Env SWA	27	Bear Creek	N	8/19/2014		3/19/2015	0.1	0
									10/23/2014	Inspected after 0.5in rain, no mx required.	12/18/2014	1	
									12/4/2014	Cage is full of leaves	9/9/2014	0.25	
									12/29/2014	Inspected after 0.5in rain, no mx required.			
									2/3/2015	Inspected after 0.5in rain, no mx required.			
									2/9/2015	Inspected after 0.5in rain, no mx required.			
									3/16/2015	Inspected after 0.5in rain, Needs bottom vac.			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	Talent	100	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/20/2014	No maint. Required			
									10/23/2014	No maintenance required			
									12/4/2014	No maintenance required.			
									12/29/2014	Inspected after 0.5in rain, no mx required.			
									2/3/2015	Inspected after 0.5in rain, no mx required.			
									2/9/2015	Inspected after 0.5in rain, no mx required.			
									3/17/2015	Inspected after 0.5" rain, no mx required.			
Y	Talent	101	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/20/2014	No maint. Required			
									10/23/2014	Inspected after 0.5in rain, no mx required.			
									12/4/2014	Inspected after 0.5in rain, no mx required.			
									12/29/2014	Inspected after 0.5in rain, no mx required.			
									2/3/2015	Inspected after 0.5in rain, no mx required.			
									2/9/2015	Inspected after 0.5in rain, no mx required.			
									3/17/2015	Inspected after 0.5" rain, no mx required.			
Y	Talent	102	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/20/2014	No maint. Required			
									10/23/2014	Inspected after 0.5in rain, no mx required.			
									12/4/2014	Inspected after 0.5in rain, no mx required.			
									12/29/2014	Inspected after 0.5in rain, no mx required.			
									2/3/2015	Inspected after 0.5in rain, no mx required.			
									2/9/2015	Inspected after 0.5in rain, no mx required.			
									3/17/2015	Inspected after 0.5" rain, no mx required.			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	Talent	103	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/20/2014 10/23/2014 12/4/2014 2/3/2015 2/9/2015 3/17/2015	Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5" rain, no mx required.			
Y	Talent	105	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/20/2014 10/23/2014 12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/17/2015	No Maint. Required Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5" rain, no mx required.	9/23/2014	0.01	0
Y	Talent	176	Bear Creek Bridge, West Valley View Rd	Proprietary System	Hydra International	0	Bear Creek	N	12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/17/2015	Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, needs maintenance. Inspected after 0.5" rain, no mx required.	2/9/2015	2	0

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	Talent	104	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/20/2014 10/23/2014 12/4/2014 12/29/2014 2/3/2015 2/9/2015 3/17/2015	Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5" rain, no mx required.			
Y	White City	90	White Mountain	Proprietary System	Hydro International	140	Whetstone Creek	N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed Clean Trash 1/2" Rain Event, No Cleaning Needed			
Y	White City	84	West Channel B	Proprietary System		260	Whetstone Creek	N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed	7/15/2014	0.02	0
Y	White City	85	Desert View Estates	Detention Pipe	ADS	0.9	Whetstone Creek	N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	86	Sharon Way	Proprietary System	Contech	1.7		N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed Clean sediment and trash from first two cells 1/2" Rain Event, No Cleaning Needed			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi-ment	Trash
Y	White City	157	Freedom Square	Proprietary System		0	Whetstone Creek	N	11/7/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	87	Fallbrook Meadows	Proprietary System	Contech	0.3	Whetstone Creek	N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. Cleaning needed on the 30th and C structure (in yard) 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed, Construction Crew raised the one @ 30th and C (in yard) Clean grease from inlet and feature at Fallbrook and Ave. C 1/2" Rain Event, No Cleaning Needed	2/3/2015 9/17/2014	0.25	0
Y	White City	83	Ave A and Div SWQ Feature	Proprietary System	Environment 21	108	Whetstone Creek	N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. Needs to be cleaned ASAP 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed	9/17/2014	2	0.25
Y	White City	139	SO Goodwill	Proprietary System	Hydro International	0	Whetstone Creek	N	8/14/2014 9/25/2014 11/7/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	13	Fieldstone Estates	361W21A	Vortechs	2.36	Whetstone Creek	N	9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Evetn, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	16	Birchwood Estates	Proprietary System	Hydro International	1	Whetstone Creek	N	8/14/2014 9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	White City	19	Woodland Village	Proprietary System	Vortechs	3.14	Whetstone Creek	N	8/14/2014 9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. Needs to be cleaned 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed	9/11/2014	0.01	0
Y	White City	20	Agate Meadows	Proprietary System	Hydro International	6	Whetstone Creek	N	8/14/2014 9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. Needs to be cleaned 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed	9/17/2014	0.07	0
Y	White City	23	Antelope Cove	Proprietary System	CDS	3.34	Whetstone Creek	N	8/14/2014 9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No road yet (Const. Crew to build road by Sept.) 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	32	Danielle Estates Subdivision	Proprietary System	VortSentry	0.86	Whetstone Creek	N	9/25/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	12	Miracle Meadow Subdivision	Proprietary System	Vortechs	3.33	Whetstone Creek	N	8/14/2014 9/24/2014 10/31/2014 12/24/2014 2/3/2015 3/16/2015	Annual Insp. No cleaning needed 1/2" rain event, no cleaning needed 1/2" Rain Event, No Cleaning needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	66	Antelope Run	Proprietary System	ADS	3.34		N	10/31/2014 12/24/2014 2/3/2015 3/16/2015	1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed 1/2" Rain Event, No Cleaning Needed			

ROGUE VALLEY SEWER SERVICES ANNUAL STORMWATER FEATURE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi- ment	Trash
Y	White City	68	Antelope Run	Proprietary System	ADS	3.34		N	8/14/2014	Annual Insp. No cleaning needed			
									9/25/2014	1/2" Rain Event, No Cleaning Needed			
									10/31/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	1/2" Rain Event, No Cleaning Needed			
									3/16/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	69	Miracle Meadow 2	Proprietary System	Vortech Model 1000	1.36	Whetstone Creek	N	8/14/2014	Annual Insp. No cleaning needed			
									9/25/2014	1/2" Rain Event, No Cleaning Needed			
									12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	1/2" Rain Event, No Cleaning Needed			
									3/16/2015	1/2" Rain Event, No Cleaning Needed			
N	Central Point	62	Providence Medford Medical Center	Grassy Swale		0.605	Mingus Creek	N					
N	Central Point	170	4 Seasons Marine	Proprietary System	Contech	0	Bear Creek	Y	12/24/2014	1/2" Rain Event, No Cleaning Needed			
									2/3/2015	1/2" Rain Event, No Cleaning Needed			
									3/16/2015	1/2" Rain Event, No Cleaning Needed			
N	Central Point	140	La Clinica Del Valle	Grassy Swale		0		N					
N	Central Point	128	Twin Creeks Crossing - phase 2			0		N					
N	Central Point	70	Snowy Butte Station	Detention Pond Sized for Water Quality		0	Mingus Creek	N					
N	Central Point	61	Don Jones Park	Detention Pond Sized for Water Quality		2.69	Bear Creek	N					
N	Central Point	45	Cascade Meadows			0		N					
N	Central Point	44	Twin Creeks Crossing - phase 2	Grassy Swale		0		N					
N	Central Point	15	Hamrick Glen	Filter Trench/Strip		0	Bear Creek	N					

APPENDIX B
Annual Reports from RVSS' Ph II Communities

INTERGOVERNMENTAL AGREEMENT
BETWEEN THE CITY OF CENTRAL POINT AND ROGUE VALLEY SEWER SERVICES
REGARDING THE TEMPORARY DELEGATION OF STORMWATER QUALITY
MANAGEMENT

This intergovernmental agreement ("Agreement") is made and entered into as of the 1st day of July, 2013 by and between the City of Central Point ("City") and Rogue Valley Sewer Services ("RVSS") for the temporary delegation of stormwater quality management services.

Recitals:

- A. The City has authority to operate and maintain surface water management systems and many other services as provided for under its charter and relevant laws; and,
- B. RVSS, organized under ORS 450, has the legal authority for the sanitary sewerage and stormwater (surface water) management programs within its boundaries consistent with relevant laws; and
- C. RVSS has been the designated NPDES Phase II permittee representing the City of Central Point for operation of the City's Municipal Separate Storm Sewer System (MS4) in accordance with relevant federal and delegated state Clean Water Act permits for stormwater since 2007;
- D. The City has applied for its first stand-alone National Pollution Discharge Elimination System ("NPDES") Phase II permit to operate its MS4;
- E. The Oregon Department of Environmental Quality ("DEQ") requires continued demonstration of compliance with the relevant federal and state delegated Clean Water Act requirements while the City develops and adopts the necessary legal authority for stormwater quality program implementation;
- F. RVSS has adopted a stormwater ordinance and enforcement program on-behalf of Central Point, Phoenix, Talent and portions of Jackson County that is compliant with relevant federal and delegated state Clean Water Act permit requirements;
- G. RVSS and the City have enjoyed a strong and effective partnership over more than three decades that has greatly enhanced protection of public health and the environment and supported economic growth.
- H. RVSS and the City commit to cooperatively and openly engage each other in the timely discussion of topics of mutual interest;
- I. The City and RVSS have the authority to enter into contracts for the cooperative operation of service facilities under ORS Chapter 190;

The City and RVSS hereby agree as follows:

Section 1. Permittee Responsibility. Upon approval of a stand-alone NPDES Phase II permit, the City shall assume full responsibility and authority for storm and surface water quality management and reporting for operation of the Central Point MS4.

Section 2. Temporary Delegation of Responsibility. To maintain compliance with relevant federal and state delegated Clean Water Act requirements, the City shall temporarily entrust RVSS with the responsibility for implementing portions of the surface water quality management program, in accordance with RVSS Code Chapter 4.05, Stormwater Management and Storm Drain Construction Standards and Specifications set forth in the Rogue Valley Water Quality Design Manual. The division of responsibilities between RVSS and the City are described in the Memorandum of Understanding appended to this Intergovernmental Agreement.

Section 3. Transition Protocol. To facilitate the transition of the stormwater management program authority from RVSS to the City, RVSS agrees to:

- a. Provide copies of the stormwater management documentation used in the operation of the Central Point MS4, including but not limited to: standard operating procedures for plan review, inspections, and enforcement; tracking databases for construction, illicit discharge detection and elimination, and post construction practices; construction drawings, as-builts, and maintenance schedules for BMPs; active permit records; and any other pertinent documentation related to stormwater quality management in Central Point.
- b. Invite city Public Works staff to participate in all aspects of stormwater quality management in Central Point including but not limited to plan review, inspections, illicit discharge detection and elimination investigations, and BMP maintenance.
- c. Transfer active stormwater permits to Central Point upon issuance of the stand-alone permit and a 1200-CN permit from DEQ.

Section 4. Programs, Rules, Policies and Standards. Any changes to water quality rules, policies, or standards associated with construction site runoff, post-construction site runoff and illicit discharge detection elimination shall be made to comply with federal and state permits, laws and regulations associated with stormwater quality as follows:

- a. Subsequent to a determination by the RVSS Board of Directors that *programs, rules, policies and standards* require modification to meet changes to state and/or federal permits, laws and regulations associated with stormwater quality, written notice shall be provided to the City detailing the proposed program changes and the permit, law or regulation changes that promulgated such proposal. Modifications to programs, rules, policies and standards shall become effective 90 days following written notification of proposed changes or another mutually agreed upon time following written notification.
- b. Changes to programs, rules, policies and standards related to construction site runoff control, and illicit discharge detection and elimination not promulgated by changes to state and federal permits, laws and regulations shall not occur within the duration of this agreements effectiveness.

Section 5. Documentation and Reporting. RVSS will provide copies of any permit applications (1200-C and 1200-CN) received each month, as well as construction drawings received for stormwater design review. If any erosion control violations, or illicit discharge notices are issued during the month, copies will be provided to the City.

Section 6. Permit Compliance. RVSS shall be responsible for responding to notices of violations and for payment of fines associated with non-compliance with its permit conditions until the Central Point stand-alone permit is issued. RVSS shall invite the City to participate in any discussion with state and federal agencies regarding notices of violation involving RVSS' temporary provision of stormwater quality program management per the terms of this agreement. The City will cooperate with the investigation and response to any notice of violation involving operation of the Central Point MS4. If a fine is imposed, the City shall reimburse RVSS to the extent that the fine results from the City's non-compliance with the performance standards and criteria associated with the construction site runoff, post-construction site runoff, and illicit discharge detection and elimination programs pursuant to RVSS Code Chapter 4.05. Disputes over the amount of reimbursement shall be resolved by the dispute resolution process set forth in Section 12 of this agreement.

Section 7. Stormwater Revenue Collection. The City shall begin collecting the monthly stormwater service charge and any future system development charges necessary to implement the stormwater quality management program and performance standards within the Central Point city limits as of July 1, 2012. RVSS may not impose any additional fees on Central Point residents for stormwater quality management purposes.

Section 8. Compensation. Compensation for temporary provision of stormwater management services by RVSS on behalf of the City shall be as follows:

- a. General program management shall be compensated at a rate of **\$3,750** per month until the Central Point NPDES Phase II stand-alone permit is issued. In the event permit issuance occurs prior to the beginning of the subsequent calendar month, the compensation rate will be proportionally allocated based on the number of days service was provided within said month.
- b. In the event the cost of stormwater management services exceeds the compensation amount set forth in subsection (a), RVSS may request additional compensation. Additional compensation shall be provided when:
 - a. The cost of stormwater quality management services exceed the agreed upon annual compensation amount of 45K;
 - b. Detailed cost statements and supporting documentation for time and materials justify the request for additional funding; and,
 - c. Billing statements for additional compensation shall provide a detailed summary of time and materials as the basis for compensation.
- c. Permit fees, including those covered by the RVSS 1200-CN permit, shall be paid to RVSS by the applicant of subject project proposals. In the event a permit is not terminated when DEQ issues a stand-alone NPDES Phase II permit and 1200-CN permit to the City, the annual fee shall be proportionally allocated based on the number of days during the fiscal year that the permit is administered by each respective party, as of the date a complete application or the annual renewal fee was received, whichever is later.

Section 9. Insurance. While this Agreement is in effect, each party shall have and maintain a comprehensive general liability and comprehensive automobile liability insurance policies. Each policy of insurance shall be written as a primary policy. A copy of each policy or a certificate of compliance with this Section 7 shall be subject to approval by the City's Risk Manager.

Section 10. Indemnification. Each party agrees to indemnify and hold harmless the other party and its officers, employees and agents from any and all losses, claims, actions, costs, expenses, judgments, subrogation, or other damages resulting from injury to any person (including injury resulting in death) or damage (including loss or destruction) property, of whatsoever nature arising out of or incidental to the negligent performance of professional services by RVSS (including but not limited to, RVSS' employees, agents, and others designated by RVSS to perform work or services attendant to this agreement). RVSS shall not be held responsible for damages caused by negligence of the City.

Section 11. Limitation. Nothing in this Agreement shall be construed as a limitation upon or delegation of the statutory and home rule powers of the City, nor as a delegation or limitation of the statutory powers of RVSS. This Agreement shall not limit any right or remedy available to the City or RVSS against illegal acts of third parties.

Section 12. Dispute Resolution. In the event of a dispute between the City and RVSS regarding their respective rights and obligations pursuant to this Agreement, the parties shall first attempt to resolve the dispute by negotiation. If not resolved by negotiation, following dispute resolution process is to be utilized by the parties:

Step 1, Negotiation between the City CEO and RVSS General Manager. Upon failure designated representative of each party to negotiate resolution of a dispute, the nature of the dispute shall be put in writing and be submitted to the City's Chief Executive Officer and RVSS's General Manager, who shall meet and attempt to resolve the issue. Resolution at this level shall be documented in writing and recognized by the City's Chief Executive Officer and RVSS' General Manager by their respective signatures. Failure to resolve an issue at this step within 30-days may result in escalation to Step 2 of the remedy process.

Step 2, Negotiation through Mediation. A mutually agreed upon mediator shall facilitate resolution of the dispute through negotiation. In the event the City and RVSS cannot agree on a mediator, the parties shall request a list of five (5) mediators from the American Arbitration Association, or other similar entity that provides mediation services, from which the parties will select a mutually agreed upon mediator. If mutual agreement cannot be reached, RVSS and the City shall utilize a process of alternating elimination, whereby each entity will strike a name in turn until only one name remains. The order of striking names shall be determined by lot. Any costs for mediation services to resolve a dispute shall be equally distributed among RVSS and the City. A written termination of the dispute and resolution achieved shall be signed by both parties acknowledging each party's concurrence with the resolution. Failure to resolve the dispute at this step will escalate the matter to step 3.

Step 3, Binding Arbitration. A mutually agreed upon arbitrator, who shall be an attorney licensed to practice in Oregon shall be selected to resolve the dispute within ten (10) days. Failure to agree on an arbitrator will result in each party appointing an arbitrator. The two selected arbitrators shall choose a third arbitrator within ten (10) days. Failure

to select a third arbitrator within the specified time, may resolve in either party applying to the presiding judge of the judicial district of Jackson County to appoint the required arbitrator. The arbitrator shall proceed according to the Oregon statutes governing the arbitration and the award of the arbitrators shall have the effect therein provided. The arbitration shall take place in Jackson County. Costs associated with arbitration shall be shared equally by the parties. The arbitrators may allow discovery, as provided by Oregon law and may grant any remedy or relief which the arbitrators deem just and equitable and within the scope of the agreement between the City and RVSS, including but not limited to, specific performance of any obligation created under the agreement, any interim or provisional relief that is necessary to protect the rights or property of the parties, or imposition of sanctions for abuse or frustrations of the arbitration process.

Section 13. Attorney Fees. In the event of any action to enforce interpretation of this agreement, the prevailing party shall be entitled to recover from the losing party reasonable attorney fees incurred in the proceeding, as set by the court, at trial, on appeal or upon review.

Section 14. Modification. No amendments, changes or modification to this Agreement shall be valid unless provided in writing and signed by the City and RVSS to acknowledge concurrence of each party to the proposed modification.

Section 15. Duration. This Agreement shall be in effect until the DEQ issues Central Point's stand-alone NPDES Phase II permit. Written notification of termination shall be provided by the City to RVSS in accordance with the termination provisions provided in Section 16.

Section 16. Termination. Termination of this agreement shall be made in writing to RVSS upon DEQ's issuance of the Central Point stand-alone NPDES Phase II permit. Due to the requirement to maintain ongoing compliance with federal and state delegated Clean Water Act requirements, termination of this Agreement shall not occur by either party until the date of said permit issuance.

IN WITNESS WHEREOF, this instrument has been executed in duplicate by authority of lawful actions by the Council and RVSS Board of Directors and is effective July 1, 2013.

CITY OF CENTRAL POINT, OREGON

ROGUE VALLEY SEWER SERVICES
OF JACKSON COUNTY, OREGON

BY:



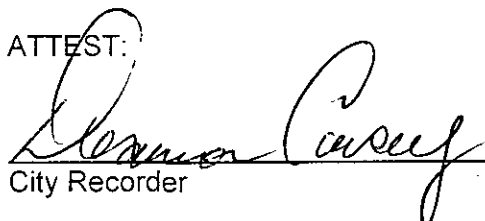
Mayor Hank Williams

BY:



Chairman, RVSS Board of Directors

ATTEST:



City Recorder



Carl Tappert, RVSS General Manager

MEMORANDUM OF UNDERSTANDING FOR ESTABLISHING STORMWATER MANAGEMENT
ROLES AND RESPONSIBILITIES

This Memorandum of Understanding is made and entered into this _____ day of _____, 2013 by and between the City of Central Point ("City") and Rogue Valley Sewer Services ("RVSS") for the purpose of establishing the roles and responsibilities for stormwater management to support the Intergovernmental Agreement between the City of Central Point and Rogue Valley Sewer Services Regarding Temporary Delegation of Stormwater Quality Management.

Both parties acknowledge that the City intends to obtain stand-alone permit coverage under the National Pollutant Discharge Elimination System (NPDES) Phase II program and that the timeline for permit issuance has been delayed due to unanticipated administrative program changes by the Oregon Department of Environmental Quality. Furthermore, both parties acknowledge the need for and mutual benefit afforded by collaborative implementation of stormwater management services that meet the existing NPDES Phase II permit requirements in accordance with the Intergovernmental Agreement between parties.

In this spirit of mutually beneficial cooperation, the roles and responsibilities for stormwater management are established for each party as set forth below.

Rogue Valley Sewer Services

RVSS is the NPDES Phase II permittee on behalf of the City and has legal authority to implement and enforce stormwater management activities pursuant to RVSS Code Chapter 4.05. In accordance with the role described herein, RVSS' stormwater management responsibilities shall include:

1. Administration, implementation, enforcement and reporting for the following programs in accordance with RVSS Code Chapter 4.05
 - a. Construction Site Runoff Erosion Control Program
 - b. Illicit Discharge Detection & Elimination Program
 - c. Post Construction Stormwater Management
2. Collaborative planning and implementation of public involvement and outreach activities with the City.

Submission of quarterly reports: RVSS will provide copies of any permit applications (1200-C and 1200-CN) received each month, as well as application materials received for stormwater design review. If any erosion control violations, or illicit discharge notices are issued during the month, copies will be provided to the City.

3. Annual Report preparation and submittal to the Department of Environmental Quality.

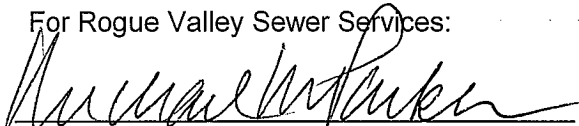
City of Central Point

The City owns and operates the storm drainage system within the city limits; however, the City currently lacks legal authority in the Central Point Municipal Code to implement and enforce stormwater management activities provided in RVSS Code Chapter 4.05. Until NPDES Phase II permit coverage is provided by DEQ and legal authority is established, the City's stormwater management responsibilities shall include

1. Compliance with the performance standards and criteria associated with the construction site runoff, post-construction site runoff, and illicit discharge detection and elimination programs administered by RVSS on behalf of the City.
2. Development, administration, and implementation of the City's Pollution Prevention and Municipal Operations Program.
3. City will fund, organize and implement three public education and outreach projects including at least one event within the City each year. Outreach projects and events will target Central Point residents, business owner and visitors; and will address topics that promote awareness of stormwater, pollution prevention practices, water quality and any other topic that is relevant to the 6 minimum measures covered by the NPDES Phase II permit. RVSS will provide a supporting role to public education and outreach events run by Central Point.
4. Development and implementation of the City's Stormwater Master Plan, including but not limited to capital construction and maintenance of stormwater quality and quantity facilities.
5. Submission of quarterly reports: The City will provide a summary of education and outreach projects and events implemented, as well as any other activity implemented pursuant to this Memorandum of Understanding and the Intergovernmental Agreement.
6. Collection and management of stormwater quality fee revenue including development and administration of the stormwater quality budget in accordance with the compensation provisions of the Intergovernmental Agreement between the parties, the City's financial policies and stormwater quality program objectives.

This Memorandum of Understanding shall serve as the basis for defining stormwater management roles and responsibilities until the Intergovernmental Agreement is terminated or mutually agreeable amendments are adopted.

For Rogue Valley Sewer Services:



Signature/Date

Board Chair

Title

For the City of Central Point:



Signature/Date

Mayor

Title



Central Point NPDES Phase II Annual Report of Activities

Aug 10, 2015

Every year, the City engages in local activities to reduce or eliminate pollutants entering the municipal separate storm sewer system (MS4). Activities include staff training, education and outreach, and municipal housekeeping. These activities augment those performed by Rogue Valley Sewer Services (RVSS), the National Pollution Discharge Elimination System (NPDES) Phase II permittee for Central Point, as well as Talent, Phoenix and portions of Jackson County. This summary of annual activities performed by City staff has been prepared to meet the Phase II permit reporting requirements.

Annexation into the City Limits

The City added 1.01 acre into the City limits at 4173 Hamrick Road Maplot 372W03C TL 3300, See Resolution No.1413.

Construction Site Stormwater Control

During FY 2015, the City of Central Point received 77 permit applications for projects less than one acre that included ground disturbing activities. Each project was required to obtain a Storm Drain Protection Permit and implement erosion and sediment controls to prevent stormwater pollution. The permits are sent to RVSS monthly. See Attachment A for permit locations and type.

Municipal Pollution Prevention

The City engages in a variety of annual programs aimed to prevent or reduce pollution associated with municipal activities, facilities and infrastructure. Street sweeping, storm drainage inspection and cleaning, pet waste station installation/maintenance, and annual fall leaf pick-up are among the activities conducted by the City.

Street Sweeping

The City conducts a regular street sweeping program. All city owned streets are swept once every seven days and high volume and high intensity use areas are swept twice per week. Overall 100% of the City streets will be swept at one time during the year. This program was effective in reducing 323 tons of sediment, debris, road salt, and trace metals that would otherwise enter the community's storm drain system and ultimately discharge to adjacent waterways. See Attachment B for landfill quantities from street sweeper.

Storm Drain Inspection and Cleaning Program

The City's storm drain system is divided into three zones (see Attachment C) and each year they focus on one zone. Last year the crew worked in the south end of Zone 2 removing sediment and debris from the storm drains and inlets. They inspect with the camera approximately 4.73 miles of mains and laterals. They cleaned and flushed approximately 2.73 miles of storm drain pipe, 53 manholes, 60 curb inlets, 89 catch/lynch basins, and 14 other water storage structures. They used 22,200 gallons of water, decanted 30 times and removed approximately 18 cubic yards of dirt and sediment (see Attachment D).

Public Pet Waste Disposal Stations

The Parks Department did not add any new pet waste disposal stations during the reporting year, maintaining the total number of community pet waste stations to 23. Stations are located in publicly owned parks greater than 1 acre as well as other common areas throughout the community. Stations are re-stocked and maintained regularly. During this fiscal year, 120,000 bags were distributed for use by City residents and visitors. The total cost of this activity for this year was \$4,500; see Attachment E for locations of bag stations and sponsors.

Adopt-a-Street Program

Adopt-a-street volunteers commit to cleaning up litter on adopted streets at least four times per year. Implementation of this program reduces the litter and debris that accumulates along streets preventing it from entering the storm drain system and local waterways. Although we currently have no mechanism to measure the quantity of material removed from the roadway and surrounding streetscape, we can report that approximately 13

miles of City streets were adopted and maintained in accordance with the program guidelines during the reporting period. See attachment F for the list of organizations, locations and street length that are being cared for.

Central Point Leaf Pick-up Program

The City has contracted with Rogue Disposal to pick up all bagged leaves in the neighborhoods. This is done twice a year, first in mid to late November and again in early to mid December. This year was one of the biggest collections, over 30% more than last. The City provides information on when and how to place the bags on the street curbs and Rogue Disposal will then come by and pick them up. This year they collected 129 tons of leaves which was an increase of 41.35 tons from last year. (See Attachment G)

Municipal Herbicide Application

The Parks & Public Works Department apply herbicides in parks and public right-of-way to control invasive species periodically throughout the year. Applications in the parks accounts for approximately 83 gallons of chemical applied at 1-2% concentration. The Public Works crew applied 1,442.5 gallons of herbicide in the public right-of-way. See Attachment H for Parks spray log and I for Public Works spray log.

Staff Training

There was no reported staff training for last year.

Education and Outreach

During this reporting period, the city completed the following outreach projects:

Articles and Publications:

- Art. - 1; Pick up after your dog: Be a good scooper, July 2014. Explains health and sanitary issues of dog feces in our parks and why owner need to be accountable for their dogs left overs.
- Art. - 2; Floodplains Can Provide Beneficial Functions, September 2014. This article explains how floodplains can help streams by the adjacent plants that filter and shade the water.
- Art. - 3; Fish in Our Streams, November 2014. Dan Vandyke with Oregon Fish and Wildlife walked a couple of the steams in Central Point to see how the fish population was doing with the shortage of water due to the ongoing draught.
- Art. - 4; Final Autumn Leaf Pick-up, December 2014. This article is last reminder of annual leaf pick-up by Rogue Disposal, including dates of the pick-up.
- Art. - 5; Arbor Day- A Great Time to Help the Urban Forest Grow, April 2015. Invitation to help plant trees for Arbor Day and how trees help streams and the aquatic life in them.
- Art. - 6; Free Streamside Gardening Workshop, May 2015. A workshop for homeowners to learn how to control invasive plants and replace them with native plants.
- Art. - 7; Bike around Central Point and see techniques to improve water quality runoff. Posted on City website June 2015. A bike ride around Central Point to see different kinds of low impact development water quality treatment features. Sponsored by Siskiyou Velo Bike Club, RVSS and RVCOG.

Events:

- Scenic Middle School Salmon Watch, August 2014. This program was to provide education about water quality and salmonids in our streams. The course lasted 4 days and comprised of 4 stations the kids would rotate to, Salmon Biology/Salmon Life Cycle, Water Quality, Macro Invertebrates, and Riparian Areas. Each station had an instructor and an activity for the kids. Five separate classes went through the course for a total of 125 students. (See Attachment J & N)
- Arbor Day Tree Planting, April 2015 – Tree Planting and water quality education at Albertsons Parking lot and Mingus Creek. 16 new trees were planted along Mingus Creek to help shade the creek and to help

increase the urban tree canopy in the city. Oregon Department of Fish and Wildlife set up a display tank with fish from the stream and talked about the importance of water quality and what we can do to make it better. (See Attachment K)

- The City received 2 Fish Friendly car wash kits from RVSS to be used in fundraisers in Central Point, May 2015. These kits divert the soapy waste water from going down into the storm drains and instead send it to a grassy or gravelly area or into a sewer inlet to be treated or absorbed into the ground. We sent an informational mailer to all Central Point schools and churches to let them know we have the kits and they are free to use (See Attachment O). Crater High school cheer team used the kit at one of two popular locations in Central Point, but the outlets had no power, so we are currently working with the owners to remedy the problem. (See Attachment L)
- Streamside Gardening Workshop, May 2015. The class featured presentations by the Rogue Valley Council of Governments (RVCOG) and the Jackson Soil and Water Conservation District. The class focused on how to use and manage streamside areas by landowners. The class included discussions of regulations (Clean Water Act – NPDES Phase II and TMDLs, the Endangered Species Act), the functions of healthy riparian systems including stream functions and riparian areas, native plants and plant selection, invasive species and management recommendations, how to design landscapes and gardens using native plants, and local riparian concerns. The class ended with a question and answer session from the participants. All attendees lived along streams in Central Point. (See Attachment M & N)

A matrix of activities and supporting documentation are attached to this summary. If there are any questions, please contact Mike Ono at 541.664.7602, Ext. 243. Thank you.

City of Central Point

NPDES Phase II Program Annual Report FY 2015

Activity	Date	Work Activity	Location	Estimated Quantities	Dump Site	Comments
Storm Drain Protection Permits	Development driven.	Issued Storm Drain Protection Permits for construction projects with ground disturbing activities.	City-wide sites less than 1 acre	77 Permits	N/A	Copies are sent to RVSS monthly. Attachment "A" provides a list of the Storm Drain Protection Permits issued during FY 2014-2015.
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.	323 tons	Dry Creek Landfill	Attachment "B" provides an overview of street sweeper disposal including quantity and cost.
Storm Drain Inspection & Cleaning	Aug.-Sept.	The City is divided into 3 zones for Storm drain maintenance and rents a very large Jetter truck to clean the system.	One third of the City	18 Cu. Yds.	Dry Creek Landfill	Attachment "D" Inspected 4.7 miles of storm drain line and cleaned 2.7 miles; cleaned 53 manholes, 89 catch basins, 60 curb inlets, and 14 other features. See Attachment "C" for cleaning zones
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. 23 Locations	No new pet waste stations installed; 120,000 pet waste bags stocked	N/A	The City maintains 23 pet waste stations throughout the community and restocks them monthly. See Attachment "E"
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 13 miles.	Qty not currently tracked.	Dry Creek Landfill	Attachment "F" is a list summarizing the Agency/Organization, Adopted street and the length that is cleaned.
Annual Leaf Pick-up	11/17/2014 & 12/12/2014	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	129 tons of leaves	Dry Creek Landfill	Attachment "G" is a letter from Rogue Disposal summarizing the program results.
Good Housekeeping: Municipal Herbicide Applications	Year round	Spray herbicides to control invasive species within public right-of-way and in some parks.	Public ROW and some parks areas.	37.43 parks acres sprayed (69.3 gallons); ROW applications (1,442.5 gallons)	N/A	Applications are conducted in City Parks and in public right of way. Applications by the City are minimal in Parks (83 gallons) and public right of way (1442.5 gallons). Attachment "H" is the Parks application log and Attachment "I" is the Public Works spray log.
Stormwater Quality Education/Outreach	At least 3 articles/year	Publications educate residents on stormwater quality information, protection requirements, and website location.	City of Central Point Newsletter and Website	7 articles	N/A	Attachment Art. 1-7 includes copies of outreach materials for all stormwater quality education and outreach publications and events.
Stormwater Quality Education/Outreach	Year round	Stormwater Management web page reviewed and updated.	http://www.centralpointoregon.gov/	Single web page with multiple links	N/A	The new City website is up and material is currently being updated as needed.
Salmon Watch Program - Water Quality Module	10/22/2014	Educate Scenic Middle School students about water quality parameters, including temperature, dissolved oxygen, turbidity and pH.	Scenic Middle School	Five 8th grade classes, 125 students.	N/A	Other classes taught, although not directly related to stormwater, address the salmon life cycle that is affected by degraded water quality conditions that are often affected by stormwater inputs. Other classes included: salmon life cycle, Macro Invertebrates and Riparian Ecosystems/Habitat. See Attachment J&N
Arbor Day Celebration/Griffin Creek	4/10/2015	Arbor Day - Planting trees along Mingus Cr in Albertsons parking lot.	Albertsons Parking Lot	18 Attendees and 16 new trees	N/A	The City and the Dept of Fish and Wildlife other volunteers planted 16 trees along Mingus Cr. to help provide shade and cover for the stream. ODF&W gave a quick presentation on water quality and how it affects the fish. See Attachment K
Stormwater Quality Education/Outreach	June-Aug	Fish Friendly car wash kit	Funraiser in Central Point	Diverting soapy waste water from 100 cars	Grassy or Rocky area or sewer inlet	Crater High school cheer team used the kit at one of two popular locations in Central Point, but the outlets had no power, so we are currently working with the owners to remedy the problem. See Attachment L
Stormwater Quality Education/Outreach	5/13/2015	Stream Side Gardenig Workshop	Scenic Middle School	5 Attendees	N/A	The class focused on how to use and manage streamside areas by landowners. The class included discussions of regulations (Clean Water Act - NPDES Phase II and TMDLs, the Endangered Species Act), the functions of healthy riparian systems including stream functions and riparian areas, native plants and plant selection, invasive species and management recommendations, how to design landscapes and gardens using native plants, and local riparian concerns. See Attachment M & N

Jackson County 2014/2015 MS4 Reporting

Activity	Agency	Date	Work Activity	Location	Estimated Quantities	Dump Site	Comments
<u>Stormwater Cleaning-Inlets/storm drains</u>	Jackson County	July 2014- June 2015	Cleaned 175 Pipes/inlets	White City	0.33 Cu.Yd x 150 = 58 Cu. Yd.	W.C. Shop	
<u>Street Sweeping</u>	Jackson County	July 2014- June 2015	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	20 Cu.Yd. x 20 sweepings + 30 Cu. Yd. X 10 sweepings = 800 Cu.Yd.	W.C. Shop	extra sweeping to remove cinders and sanding materials after Dec. '14 ice and snow event. Extra sweeping due to chip seals
<u>Sanding</u>	Jackson County	July 2014- June 2015	Winter sanding for traction/safety	Arterials and major collectors in Phase II areas	350 Cu.Yd.	W.C. Shop	Major snow and ice event in Dec. '14
<u>De-icer</u>	Jackson County (by ODOT under contract)	July 2014- June 2015	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.
<u>Herbicide Applications</u>	Jackson County	July 2014- June 2015	Spray herbicides along road shoulders.	Phase II areas	Diuron - 16 gal., Oust - 18 oz., Garlon 3A - 5 gal., Perspective -7.5 oz, Landmark - 4		Followed manufactures recommendations and state law. * amt. of Chemicals applied very consistant with past years application
<u>Inspections</u>	Jackson County	July 2014- June 2015					

<u>Flood control projects</u>	Jackson County	July 2014- June 2015					
<u>Stormwater Quality Education</u>	Jackson County	July 2014- June 2015					
<u>Employee Training</u>	Jackson County	July 2014- June 2015	Mandatory 2 hour training and orientation of ditching crews on rules, policies and laws pertaining to drainage maintenance.		24 Employees		



ROGUE VALLEY SEWER SERVICES

Location: 138 West Vilas Road, Central Point, OR - Mailing Address: P.O. Box 3130, Central Point, OR 97502-0005
Tel. (541) 664-6300, Fax (541) 664-7171 www.RVSS.us

MEMORANDUM

To: RVSS MS4 Permittees
From: Jennie Morgan, Stormwater Program Manager
Date: July 22, 2015
Re: Annual Reporting for MS4 Jurisdictions

Please provide to me, by August 31st, the following information for inclusion in the annual report to DEQ. Once I have completed the report, I will send it out to you for review and comment prior to submission to DEQ.

1. Information on all new additions or removals of annexed areas that result in an expansion or contraction of the MS4 boundaries;
There were no expansions or contractions of the MS4 boundaries during the reporting period.
2. In the annual reporting spreadsheet, please include the following information:
 - 2.1. Number of storm drains cleaned this year and the total # in the jurisdiction (could be a percent)
Information not recorded.
 - 2.2. Miles of stormwater pipe cleaned out of the total in the jurisdiction (could be a percent)
Information not recorded.
 - 2.3. Miles of street swept out of the total in the jurisdiction (could be a percent)
190.3
 - 2.4. Number of stormwater features maintained out of the total in the jurisdiction (could be a percent) **5 (5/13) 39%**
 - 2.5. Amounts of herbicide and pesticide applied within in the MS4 boundary by city or county
516.5 oz. (see attached report for details)
 - 2.6. Number of new pet waste stations installed (if any)
No new pet waste stations added during reporting period.
 - 2.7. Number of doggy bags distributed through existing pet waste stations
38,000
 - 2.8. Amount of leaves collected and disposed of (if you have a fall leaf program)
130 Bags. An increase of 68% from 2014.
 - 2.9. Staff Training related to the Stormwater program- provide number of staff, hours attended and type of training
Information not recorded.
3. As back up to the annual reporting spreadsheet, please provide any documentation you have showing completion of these tasks. This may be quarterly reports of equipment use or employee assignments, or mapping showing areas cleaned.
4. In addition, please submit to RVSS a list of all stormwater management features maintained by your jurisdiction and their frequency of cleaning.

Feel free to contact me with any questions regarding this request.

Jennie Morgan, PhD

Stormwater Program Manager

APPENDIX C
Annual Report from
Rogue Valley Council of Governments

Stormwater Activities Report 2014 – 2015: 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, 2014 – June 30, 2015

Report Prepared by the Rogue Valley Council of Governments

RVCOG works with RVSS and the RVSS communities (Talent, Phoenix, 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, coordinates and assists with implementation of the Salmon Watch Program, conducts public meetings, 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 2014-2015 permit year.

Highlights:

- Programs reached over 1,000 people.
- Over 1000 brochures, stickers, and activities (e.g., word searches) were distributed.
- Continued the Salmon watch program for a third consecutive season. Conducted 8 Salmon Watch field days in the Bear Creek MS4 communities covered under the RVSS permit including 1 in Phoenix, 4 in Central Point, 2 for schools that have county wide enrollment (Jackson County), and 1 as part of the Jackson Soil and Water Conservation District's Day Camp for County residents.
- Salmon Watch Partners included the Bear Creek MS4s, the Bear Creek Watershed Education Partners (BCWEP), RVSS, O.S.U. Extension, the Rogue River Watershed Council (RRWC), Jackson Soil and Water Conservation District (SWCD), Southern Oregon Land Conservancy (SOLC), BLM, the Freshwater Trust (TFT), Oregon Department of Fish and Wildlife (ODFW), and local schools.
- Leveraged funding for the continuation of the Salmon Watch program from the Jackson SWCD grant for Fall 2014. The funding supported local education

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

groups (OSU Extension and the Bear Creek Watershed Education Partners), schools for transportation funding, and contracted educators to conduct the programs. Contract educators include local environmental education graduates and masters students from SOU, retired teachers, and other educational experts. Funding from the MS4 programs serves as match for the grant and program for additional coordination, to provide educators from MS4s, administration, and other support as needed.

- Additional funding is being sought for continuation of the Salmon Watch Program in 2015. Continued support for the program was pledged by all Bear Creek MS4s, BCWEP, RVSS, OSU Extension, RRWC, the Rogue Basin Partnership (RBP), SOLC, and Jackson SWCD.
- Presented program information at 3 local events (Kids and Creeks, the Annual Rogue Valley Earth Day Celebration, and the Land Steward workshop. Information was presented by staff at booths set up at the events. Booth featured posters, brochures, information for streamside landowners, and hands on activities including the stormwater pollutants in a jar activity. *303 people reached.*
- Completed a Water Quality Bike ride in Central Point with the Siskiyou Velo Bike Club as the Public Outreach Event for the year. The event was well attended with 16 rider plus 2 instructors. Planning is underway to make this an annual event.
- Conducted two Streamside Gardening Classes. One in Talent and one in Central Point.

Public Education and Outreach Program

Task 1: School Age Public Education

Date(s)	Organization	Notes
8/28/2014	OSU Extension, BCWEP, ODFW, Jackson SWCD, RRWC	Instructor training (contracted and volunteer) for the Salmon Watch Program. Included an introduction to the Salmon Watch Program, a description of the program, how it's run, the set up on the day of the event, and instruction of the four main modules (salmon life cycle/biology, riparian habitat, water quality, and macro invertebrates). <i>15 attendees.</i>
8/28/2014	RVCOG	Presented the water quality module at the Salmon Watch Teacher workshop in August. <i>15 attendees.</i>
9/16/2014	Scenic Middle School (Central Point)	Meeting with teacher Alex Grover to discuss Salmon Watch Class for Scenic Middle School in October.
10/18/2014	Kids and Creeks Event Bear Creek Park- Multiple	Staffed a booth at the 2nd Annual Kids and Creeks Event at Bear Creek Park. The event featured activities related to salmon, stormwater, and water quality by a wide range of local groups

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

	partners.	including the Bear Creek Watershed Education Partners, O.S.U. Extension, Southern Oregon University’s EE Program, the Freshwater Trust, the Rogue Basin Partnership, the Rogue Valley Council of Governments, and others. Our exhibit featured primarily stormwater and secondarily water quality. We were set up next to a storm drain with the stormwater pollutants in a jar activity as our primary hands-on activity. We demonstrated the connection from the storm drain to the creeks (including activating the storm drain into Baby Bear Creek by pouring Baby Bear Creek water in it), the connection of Bear Creek to the Rogue River and Pacific Ocean, and water quality. We also highlighted the role of the municipalities and its partners (RVSS and RVCOG) in implementing regional projects to improve water quality (e.g., BMPs and LIDs) and the TMDL monitoring program. Our exhibit also featured some hands on testing of water quality, information on eco-friendly car washing, and brochures on a wide range of topics. <i>108 people stopped by our booth, with 50 people participating in the stormwater activity, 13 in the water quality activity, and 55 brochures were given out.</i>
Fall 2015	Salmon Watch Field Days	Conducted 12 Salmon Watch field days with 21 classes representing schools from Phoenix, Central Point, Jackson County (St. Mary's, Butte Falls, Ruch, Vibes Charter School), Ashland, and Medford. Sites used for the classes included Valley of the Rogue State Park, Bear Creek Park, McGregor Park, St. Mary's, North Mountain Park and Scenic Middle School. The program reached 552 students total. A copy of the 2015 Salmon Watch summary report is attached to this report. The report includes examples of activities, photos, and completed survey forms.
11/5/2014	Bear Creek Watershed Education Partners	Met with Dick Barbara, from the Bear Creek Watershed Education partners to discuss a potential enhancement project using a swale or other measure working with BCWEP and some students on an access road drainage project to improve water quality and erosion from flow velocities prior to discharge into a creek.
12/12/2014	Visit to Scenic Middle School	Met with SWCD and Scenic Middle School to discuss options for creek restoration and future partnership including onsite soil classes and salmon watch classes.
2/3/2015	Scenic Middle School Restoration Project Meeting	Meeting working on a plan for restoring a section of Griffin Creek at Scenic Middle School. Partners include Scenic Middle School, RVCOG, SWCD and the city of Central Point.
2/10/2015	BCWEP meeting	Bear Creek Watershed Education Partners annual meeting. Attended the annual meeting with BCWEP to hear about and discuss programs that Phase II programs have partnered with and are planning to continue working on including Kids and Creek, Salmon Watch, the Annual Education Symposium, and other programs.

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

2/12/2015	Meeting with St. Mary's Middle School	Meeting with Michael Wing, Community Service coordinator at St. Mary's Middle School and 10 student "leaders" to talk about watering the plants at the Bear Creek Riparian Restoration Project site.
4/2/2015	Streamwise Field Day	Taught water quality to two 4 th grade classes from Logos Public Charter School. Led students through several water quality tests including pH, dissolved oxygen, turbidity and temperature. <i>60 attendees.</i>
4/25/2015	Rogue Valley Earth Day	RVCOG staffed a booth at the Earth Day event held at Science Works in Ashland. Activities included Pollutants in a Jar which identified common stormwater pollutants and what can be done to prevent them from entering our waterways. Additionally, we had a rainfall simulator where water was poured into a tray of bare soil and a tray with grass and the discharge was examined. This activity demonstrated how vegetation keeps soil in place and how bare soil has a higher susceptibility to erode. <i>143 people participated in the activities.</i>
June 24 th , 2015	Salmon Watch Class at McGregor Park part of Jackson SWCD's Field Camp.	Conducted a Salmon Watch Class as part of the SWCD's annual field camp. Partners included the SWCD, RRWC, and BLM. <i>45 attendees.</i>

Task 2: Adult Public Education and Outreach

Date(s)	Organization/ Program	Notes
7/1/2014	Bear Creek Watershed Council Annual Meeting and Evaluation	Annual meeting and evaluation of the BCWC. Reviewed partnerships in the previous year and plans for the current year.
8/11/2014	BCWC Monthly Meeting	Monthly meeting with BCWC. Whetstone Creek Presentation— Craig Tuss and Robert Coffan. <i>12 attendees.</i>
9/2/2014	RVSS Stormwater Meeting	Meeting with Jennie Morgan, RVSS to talk about stormwater activities for the implementation year (current and previous).
9/8/2014	BCWC Monthly Meeting	Monthly meeting with the BCWC. Gold Ray Dam Presentation – Craig Tuss, Robert Coffan, Eric Dittmer.
9/22/2014	Meeting with JSWCD	Meeting with Jackson SWCD to discuss overlapping programs, project needs including funding, and other relevant project ideas.

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

10/14/2014	Rogue Valley Sewer Services, City of Ashland	Worked with RVSS and the City of Ashland to coordinate a Hazmat NPDES PII Training held in the RVCOG conference room. <i>31 attendees.</i>
11/3/2014	Annual meeting with JCSWCD	Annual meeting with the Jackson County Soil and Water Conservation District. Discussed projects to collaborate on including agricultural irrigation monitoring, septic monitoring, demonstration rain garden or swale at the Expo, creation of brochures, solar programs, vernal pool restoration, and the Medford Restoration Project.
11/20/2014	Bear Creek Watershed Council Annual Meeting	Annual meeting for the BCWC.
12/8/2014	BCWC Monthly Meeting	Bear Creek Watershed Council Monthly meeting.
1/21/15	Rogue Basin TMDL Quarterly Meeting	Presented on stormwater at the quarterly meeting. The presentation included the six minimum control measures for NPDES Phase II Programs and a detailed discussion of the Bear Creek MS4 Illicit Discharge monitoring program. <i>15 attendees.</i>
2/9/2015	Bear Creek Watershed Working Group Meeting	Bear Creek Watershed Working Group Meeting. Presented on Medford Riparian Planting Project from 10 th Street to McAndrews Rd. Bear Creek and stormwater TMDL.
2/10/2015	BCWEP Annual Meeting	Bear Creek Watershed Education Partners annual meeting. The meeting was
3/1/2015	Salmon Watch	Completed Salmon Watch Report Summarizing all activities completed for the Salmon Watch Program in the spring and fall of 2014.
3/9/2015	RRWC	Bear Creek Watershed Working Group Meeting.
3/31/2015	Streamside Gardening Class	Conducted a Streamside Gardening Class with Jackson Soil and Water Conservation District and the Friends of Wagner Creek. Distributed 25 Stream & Wetland Enhancement Guide, 25 Taking Care of Streams in Jackson County and 25 Yard Care at Home: Sometimes Less is More brochures. The class included a presentation by Jackson SWCD and RVCOG at the Talent Community Center and a field discussion and Wagner Creek Park. <i>6 attendees.</i>
4/25/2015	Annual Land Steward Workshop	Staffed a booth at the Annual Land Steward Workshop focusing on low impact development, riparian restoration, and what people can do at home to help improve water quality. Key elements of the exhibit included low impact development (rain gardens - the Rain Garden Guide, Rain Garden Poster, promoting the May 2nd Rain

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

		Garden class in Phoenix), the Stream and Wetland Enhancement Guide, Garden Worthy Native Trees and Shrubs, Native Plants, how people can help at home, and tie-ins to the Stream Smart website, especially the event calendar. This year the event for Jackson and Josephine County was held at RCC Redwood Campus in Grants Pass and was combined with the Rogue Tree School. <i>52 attendees.</i>
5/13/2015	Streamside Gardening Class	Conducted a Streamside Gardening Class with Jackson Soil and Water Conservation District and the City of Central Point. <i>5 attendees.</i>

Other tasks completed annually:

- Researched and compiled information on outreach materials for riparian landowners including the riparian restoration page to compile information we have found, present information as to what people can do, and to have places to direct landowners to for information (http://rvcog.org/MN.asp?pg=NR_Riparian_Planting). In addition, materials were incorporated into a draft flyer and an exhibit for the Land Steward Workshop in April.
- Provided brochures and flyers to cities, counties, and other groups as requested, when visited, or as part of events (e.g., Salmon Watch Programs). In addition, visited libraries, stores, and other areas where brochures were stocked and added or replenished brochures as needed. Overall, 1,267 brochures stickers, and activities (e.g., word searches), were distributed during the plan year.
- Reviewed and made available several on demand webinars for viewing by MS4s.
 - NPDES Phase II - The Public Elements - Promoting Sustainable Behavior: <http://www.foresteruniversity.net/npdes-phase-two-video.html>.
 - Erosion Control Systems & Their Role in Green Infrastructure Designs: <http://www.foresteruniversity.net/webinar-erosion-control-systems-video.html>.
 - A New Way of Stormwater Management: Applying Asset Management to Stormwater Programs: <http://www.foresteruniversity.net/webinar-new-way-stormwater-management-video.html>
- Updated materials for use at events throughout the year. Updates include new materials for Streamside Landowners, soils activities, kids activities (word searches, mazes) and revisions to posters to highlight information available on and connections to the Stream Smart Program.

Public Involvement and Participation Program

Task 1: Develop BMPs for Vehicle Washing – Talent and Phoenix police and fire departments

Researched alternatives and options for washing fleet vehicles that minimize or eliminate water quality impacts, conserve water, and/or provide other benefits. Options include:

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

- Use of closed loop wash racks where vehicles are driven onto the rack, washed, and the discharge collected and filtered.
- Using Mobile Fleet Washing vans equipped to capture the discharge, transport to a site that filters and chemically treats it before disposing into a sanitary drain.
- Waterless fleet washing (zero discharge method). This method saves approximately 500 gallons of water per truck and saves time and has been promoted by firefighters.

Other activity included contacting RVTD regarding their vehicle washing practices. RVTD has incorporated a wash facility that has reduced the amount of water used compared to washing their vehicles by hand and they use biodegradable soap. In addition, a survey for fleets was created and was used to begin talks with local officials in Phoenix and Talent and local fire districts regarding what practices they use for washing vehicles.

Throughout the spring, the survey was revised following discussions with local officials (City Staff, Police Departments) in Phoenix and Talent and local fire districts. A survey was completed with Fire District 5. The survey highlighted a need for more information, especially in relation to alternatives (e.g., environmentally friendly soaps). Called and visited the Phoenix and Talent Police Departments and Fire District Offices. Left surveys at Phoenix, conducted a visual survey of the Talent Police Station. Followed up with the fleet manager for Phoenix PD (referred to the City Manager), Talent PD, and Fire District #5 Station in Phoenix. Provided update of results at the SWAT meeting in April.

Task 2: Public Involvement Event

For the public involvement event, we organized a Water Quality Bike Ride around the City of Central Point with Rogue Valley Sewer Services and the Siskiyou Velo Bike Club. Along the ride, RVSS and RVCOG discussed low impact development strategies, best management practices, and other techniques that improve the quality of urban runoff that comes from streets, parking lots, driveways, and rooftops that makes its way to local streams. In addition, we explained various water quality improvement features that were seen along the way.

The ride was advertised in the community (bulletin boards), through emails, partners, through a press release, on the Siskiyou Velo Website, in the Velo Club newsletter, on local Facebook sites, and on the Stream Smart website. In addition, photos from the ride were uploaded to the Stream Smart website following the ride. *18 attendees including the instructors.*

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation



Task 3: Stormwater Advisory Team (SWAT)

RVCOG attended all quarterly SWAT meetings in 2014-2015. 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.

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

- Bear Creek Watershed Education Partners
- OSU Extension Service and StreamWise Program
- Oregon Department of Fish and Wildlife
- Siskiyou Environmental Education Center (Southern Oregon University)
- Regional Environmental Education Leaders (REEL)
- Coyote Trails Nature Center
- Freshwater Trust
- Rogue River Watershed Council (consolidation of the Bear Creek Watershed Council, the Stream Restoration Alliance, Little Butte Creek Watershed Council, and the Upper Rogue Watershed Council)
- Rogue Basin Partnership
- Geos Institute
- Bonneville Environmental Foundation
- Cooperative Weed Management Areas in Jackson and Josephine County
- Boy Scouts of America Local schools – elementary, middle school, and high school, public and private
- Oregon Stewardship
- Jobs Council
- Lomakatsi Restoration Council
- North Mountain Park Nature Center
- ScienceWorks
- The Nature Conservancy
- Southern Oregon Education Service District

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

- Jackson Soil and Water Conservation District
- Bureau of Land Management
- Southern Oregon Land Conservancy
- Scenic Middle School

Distribute News Releases:

- Interviewed for Channel 10 News on Water Quality. Discussion of water quality for the interview included the impacts of urban runoff and solutions (including what local communities are doing to manage Stormwater). The story ran the morning of 7/26/14.
- Article in the Mail Tribune "Bacteria Woes Force More Summer Creek Closures" on 7/31/14. The article focused on high levels of bacteria in local streams, but also included some coverage of included the impacts of urban runoff and solutions (including what local communities are doing to manage Stormwater).
- Featured on the Jefferson Exchange (Regional NPR Station) talking about local water quality issues and concerns. The discussion included impacts of urban runoff (stormwater) and how local communities are improving water quality through implementation of stormwater programs and installation of low impact development measures, best management practices, and education and outreach.

Stormwater Activities Report 2014 – 2015: Public Education and Outreach, and Public Involvement and Participation

Fleet Washing Survey

Part A: Background

1. Contact Name _____ Date _____
2. Where is your station located?
 - City _____ or County _____
3. Type of Fleet
 - Police _____ Fire _____ Other _____
4. Approximate Number of Vehicles
 - _____

Part B: Facility Information

1. Do you wash your vehicles on site? Y/N.
 - If Yes continue to #2, if no, do you take your vehicles to a car wash/fleet washing facility Y/N. STOP
2. How often are the vehicles washed? _____
3. Do you have any special facilities on site/wash areas? Y/N
 - If Yes, please describe (swales, underground treatment mechanism in storm drain, collect and reuse water, alternative connection (e.g., to sanitary sewer), etc.)

4. Do you use any of the following (mark all that apply):
 - Biodegradable Soap
 - Waterless Products
 - Recirculating Systems
 - Car Wash Kits/Inserts
 - Other _____

Part C: Other Info

1. Are the storm drains at your stations marked? Y/N
2. Does your station have public access/tours/visitation? Y/N
3. What limits your use of alternatives/features/etc.

4. Would you be interested and/or willing in additional activities?
 - Wash a firetruck/police car with students/public groups and the car wash kit?
 - Additional information or presentations _____
 - Other _____

Salmon Watch Summary Report – Fall 2014 and Spring 2015

Salmon Watch 2014 Activity Report- DRAFT



Program Summary

In 2014, the Rogue Valley Council of Governments working on behalf of the NPDES Phase II Stormwater Communities (Phoenix, Talent, Medford, Ashland, Jackson County, and Central Point), Rogue Valley Sewer Services and local water quality programs partnered with Oregon State University (O.S.U.) Extension, the Bear Creek Watershed Education Partners (BCWEP), Jackson Soil and Watershed Conservation District (SWCD), the Bear Creek Watershed Council, and others implemented the Salmon Watch Program in the fall of 2014. Overall, 13 field days were conducted with 22 classes reaching almost 600 students. Classes represented schools from the Bear Creek Valley, Greater Jackson County, and one from Josephine County. Details on the class dates, field locations, schools involved, number of students, and other information can be found in the Table 1. In addition to the field classes, an instructor training was conducted in August for potential contracted educators and volunteer instructors. Other activities included surveys, project meetings, presentations on program results, and application for additional funding of the program. RVCOG worked with Scenic Middle School (Central Point) to conduct pre and post surveys. In addition, OSU Extension and BCWEP developed online surveys for educators and participants on a variety of topics. Results of the surveys are found later in this document.

For most of the classes (except for the Scenic Middle School Classes and Walker Elementary School), the “classic” four module model was used from the Salmon Watch Curriculum. Four instructors were assigned stations to discuss Salmon Biology/Salmon Life Cycle (station 1), water quality (station 2), macro invertebrates (station 3), and riparian areas (station 4). Each station also had one or more activities for students to do including salmon viewing when spawning, salmon dissection, water quality testing, macroinvertebrate sampling and analysis, native plant identification, drawing riparian cross sections, and longitudinal profiles. Classes

Salmon Watch 2014 Activity Report- DRAFT

were divided up into 4 groups and rotated through the stations every 45 minutes, so every student participated in the four stations. Examples of completed activity forms are included in Appendix A.

Activity Summary

Field Days

Table 1: Fall 2014 and Spring 2015 Summary: Statistics: 13 field days, 22 classes, 597 students reached

School and Date	Field Site	Number of Classes	Number of Students	Volunteer Instructors Representing
North Valley High School (Grants Pass) - September 23	Valley of the Rogue State Park (VOR)	2	50	RVCOG, BCWEP
Shady Cove Elementary School - September 25	VoR	2	50	BCWEP, OSU Extension
McLoughlin Middle School - October 2nd	VoR	2	50	The Freshwater Trust
Phoenix Elementary School – October 3 rd	McGregor	2	50	BLM, BCWEP
Butte Falls MS & Ruch MS - October 7 th	McGregor	2	50	BLM, BCWEP
Scenic Middle School (Central Point) - October 21 st , 22 nd , 23 rd , and 31 st <i>--4 field days / 5 classes per day</i>	Scenic Middle School (Central Point)	5	125	RVCOG, Scenic Middle School
St. Mary's School- Medford - October 23 rd	Larson Creek at St. Mary's	2	50	BCWEP
Jackson Elementary School - October 28 th	Bear Creek Park (BC)	2	50	BCWC (now RRWC), BCWEP
Kid's Unlimited Academy October 30 th	BC	2	42	Southern Oregon Land Conservancy
Walker Elementary School - November 4 th	Bear Creek at North Mountain Park	1	35	BCWEP
Class at SWCD Field Camp	McGregor Park	1	45	RRWC, BLM

Other Activity:

Meetings/Presentations

August 28th, 2014 – Instructor Training

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Held an instructor training for all contracted and volunteer instructors. The training covered the use all four modules and included a presentation on salmon from the Oregon Department of Fish and Wildlife (ODFW), and module instruction by OSU Extension, RVCOG, and BCWEP.

January 15th, 2015 – Salmon Watch Team Meeting

Met with the Salmon Watch Program Partners to discuss program implementation for fall 2014 including roles and responsibilities, how things went, field locations, things we might want to do differently, and future program needs.

Surveys

Two surveys were used to evaluate what students learned in the program. A 5-question post program survey was given out to 159 students from 7 classes. Results of the surveys are shown in Figure 3. A second more detailed survey was given to students at Scenic Middle School before and after the program was conducted to evaluate what the students learned. The survey is attached in Appendix B.

In addition, doodle poll surveys were conducted with teachers who participated in the program and instructors evaluating the field sites. Results of all surveys are briefly discussed in this report.

Students

Table 3: Results of 5 Question Survey

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	PES:P 4/5	PES:McH 5	RUCH:K 7/8	KUA:D 4	SCES:M 5	JES:M 5	JES:G 5	AVGS
All schools	56%	65%	84%	63%	55%	63%	50%	62%
QUESTION	% CORRECT	% CORRECT	% CORRECT	% CORRECT	% CORRECT	% CORRECT	% CORRECT	% CORRECT
Q1: What do salmon need to survive?								
zero (incorrect/no answer)	0%	0%	0%	0%	0%	0%	0%	0%
One correct answer	0%	0%	0%	6%	23%	4%	25%	8%
two correct answers	36%	30%	30%	31%	31%	24%	38%	31%
three correct answers	64%	70%	70%	63%	46%	72%	38%	60%
Q2: What can you do to protect or improve water quality or stream health?								
zero (incorrect/no answer)	24%	0%	9%	6%	23%	16%	42%	17%
One correct answer	60%	70%	18%	13%	15%	32%	42%	36%
two correct answers	16%	30%	73%	81%	62%	52%	17%	47%
Q3: How are macroinvertebrates important to scientists and the ecosystem?								
zero (incorrect/no answer)	52%	30%	3%	69%	85%	52%	50%	42%
One correct answer	48%	35%	45%	25%	15%	28%	38%	31%
two correct answers	0%	35%	52%	6%	0%	20%	13%	31%
Q4: Please describe a riparian zone or riparian area.								
zero (incorrect/no answer)	36%	57%	9%	31%	31%	28%	33%	32%
one (partial)	20%	4%	12%	31%	31%	44%	25%	24%
two (complete answer)	40%	39%	79%	38%	38%	24%	42%	43%
Q5: What was your favorite part of your Salmon Watch field trip?								
salmon biology	64%	70%	70%	44%	38%	60%	50%	56%
riparian ecology	4%	0%	21%	0%	31%	16%	4%	11%
water quality	12%	4%	12%	19%	31%	24%	25%	18%
macroinvertebrate sampling	4%	13%	36%	44%	54%	52%	29%	33%
other	0%	0%	6%	0%	0%	0%	0%	1%
# SURVEYS TAKEN: 159								

Students from Scenic Middle School were scored on a number of (but not all) the questions before and after the program was presented. 122 surveys were taken and results were compiled for almost 40% of the respondents. Pre-survey results averaged 34% correct answers and the post-survey averaged 70%, resulting in a 105% increase in correct answers.

Educator/Instructor Response

How would you rate the instructor coordination for the salmon watch program?				
Great	Good	Fair	Poor	
66.67%	33.33%	0.00%	0.00%	
How helpful was the salmon watch training you received?				
Extremely helpful	Quite helpful	Moderately helpful	Slightly helpful	Not helpful at all
16.67%	50.00%	16.67%	16.67%	0.00%
Did you have the materials and equipment you needed to teach your station?				
Yes	No			
88.89%	11.11%			

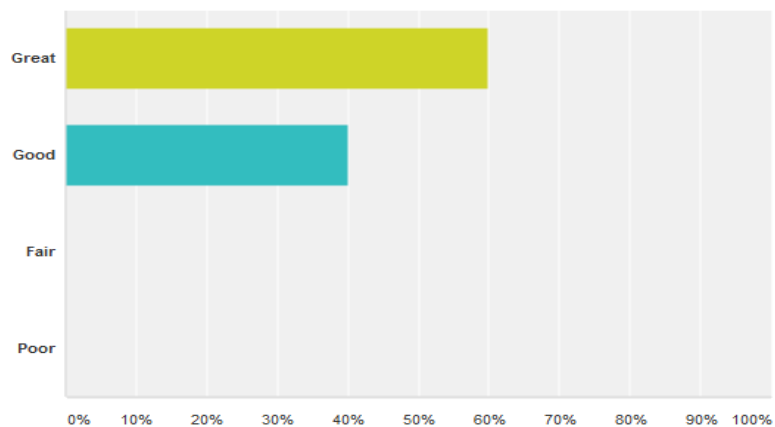
Salmon Watch 2014 Activity Report- DRAFT

How was the location for the station you taught?				
Salmon Biology				
	Valley of the Rogue	McGregor	Bear Creek	St. Mary's
Great	50.0%	100.0%	50.0%	0.0%
Good	50.0%	0.0%	50.0%	0.0%
Fair	0.0%	0.0%	0.0%	0.0%
Poor	0.0%	0.0%	0.0%	100.0%
Total Responses	2	1	2	1
Riparian Ecology				
	Valley of the Rogue	McGregor	Bear Creek	St. Mary's
Great	50.0%	100.0%	50.0%	0.0%
Good	50.0%	0.0%	50.0%	0.0%
Fair	0.0%	0.0%	0.0%	0.0%
Poor	0.0%	0.0%	0.0%	100.0%
Total Responses	2	1	2	1
Macroinvertebrates				
	Valley of the Rogue	McGregor	Bear Creek	St. Mary's
Great	0.0%	0.0%	0.0%	0.0%
Good	0.0%	100.0%	100.0%	0.0%
Fair	0.0%	0.0%	0.0%	100.0%
Poor	0.0%	0.0%	0.0%	0.0%
Total Responses	0	1	1	1
Water Quality				
	Valley of the Rogue	McGregor	Bear Creek	St. Mary's
Great	0.0%	0.0%	0.0%	0.0%
Good	100.0%	100.0%	100.0%	0.0%
Fair	0.0%	0.0%	0.0%	0.0%
Poor	0.0%	0.0%	0.0%	0.0%
Total Responses	1	1	1	0

Teacher Survey Results

Overall, how effective was your Salmon Watch field trip in teaching about salmon and watersheds at an introductory level?

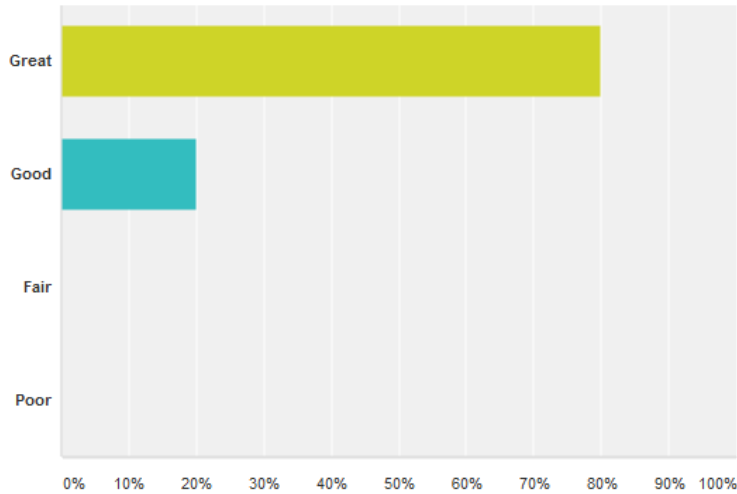
Answered: 5 Skipped: 0



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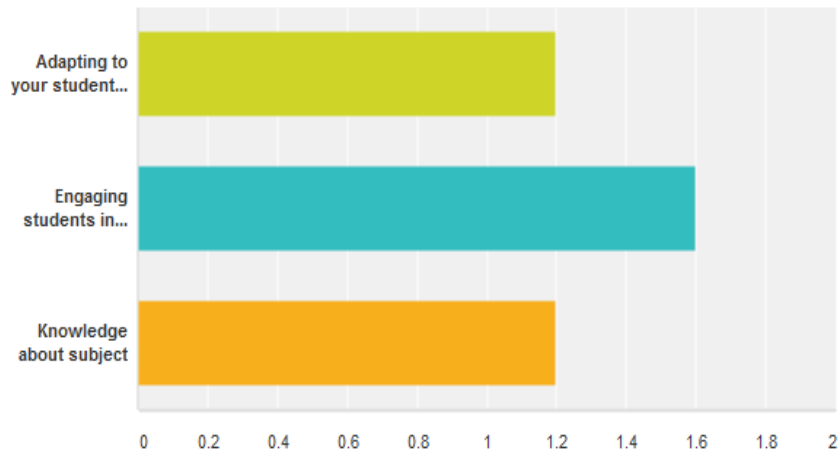
How would you rate the coordination of this year's Salmon Watch field trip?

Answered: 5 Skipped: 0



How effective were your field trip volunteers/instructors in the following ways:

Answered: 5 Skipped: 0



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Program Photos



Salmon Watch 2014 Activity Report- DRAFT



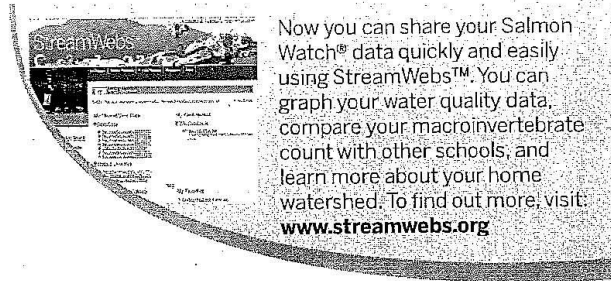
Appendix A: Example Activity Forms

Salmon Watch 2014 Activity Report- DRAFT



Salmon Watch®

CANOPY COVER DATA FORM



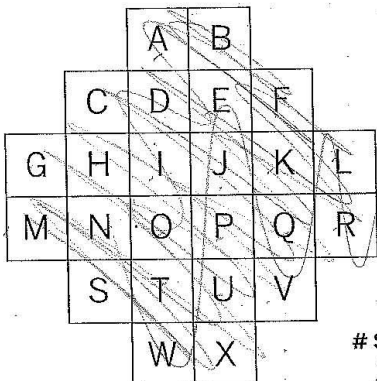
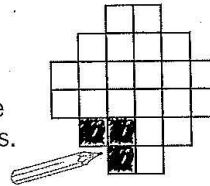
Now you can share your Salmon Watch® data quickly and easily using StreamWebs™. You can graph your water quality data, compare your macroinvertebrate count with other schools, and learn more about your home watershed. To find out more, visit: www.streamwebs.org

School: _____ Teacher: _____

Date: _____ Time: _____ Weather: _____

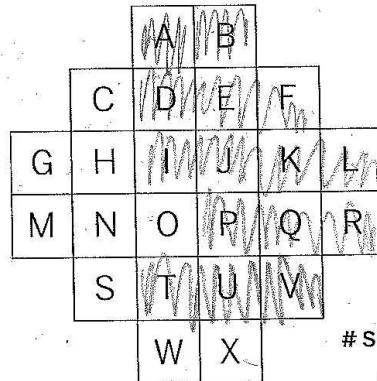
Stream/Site Name: _____

Directions: Working with a partner, take one sample of canopy cover in each cardinal direction using the spherical densiometer. Once you have the densiometer positioned correctly, fill in the areas on this worksheet that are covered with canopy shade. **If the square is 50% shaded or more, fill in the entire square.** Record the number of shaded boxes for each sample. Add up the numbers for all four samples. The result is your estimated percent canopy for your location.



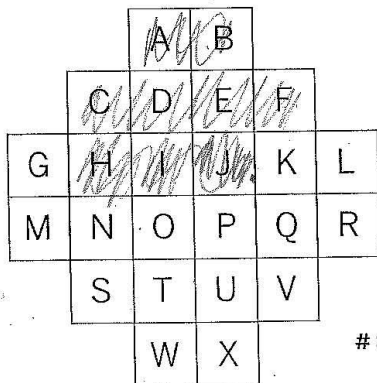
Shaded Boxes
24

North



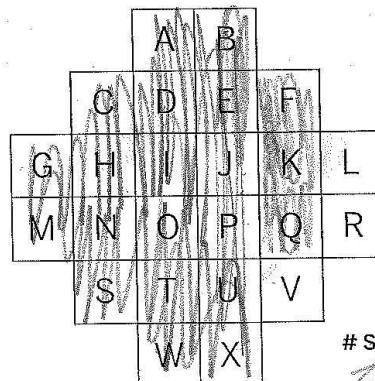
Shaded Boxes
15

East



Shaded Boxes
9

South



Shaded Boxes
21

West

24

15

9

21

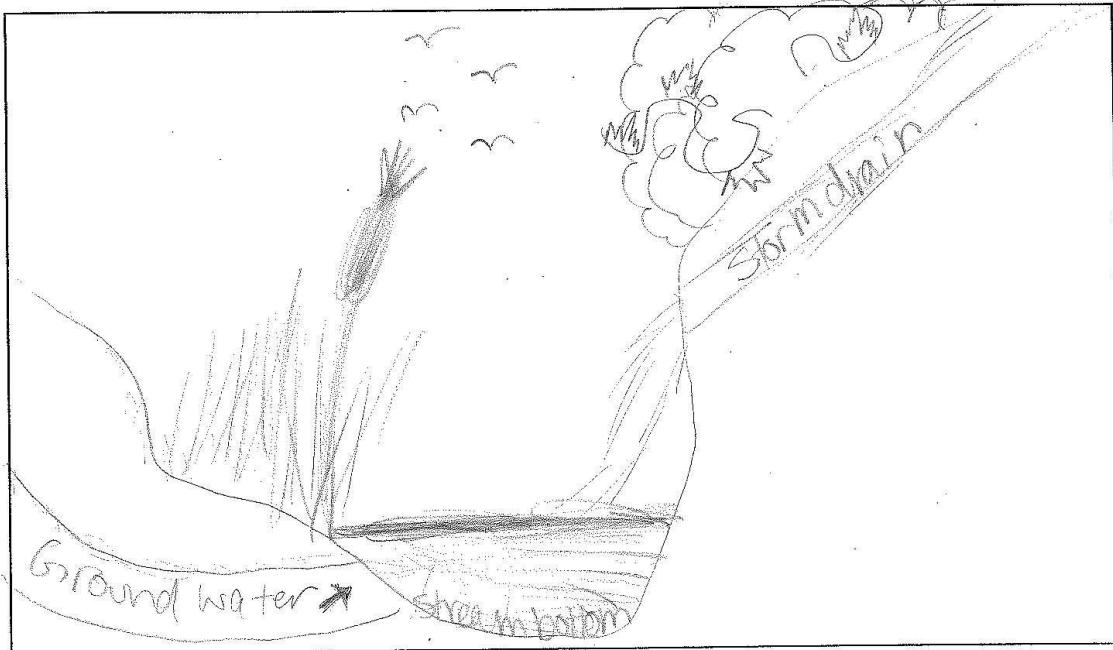
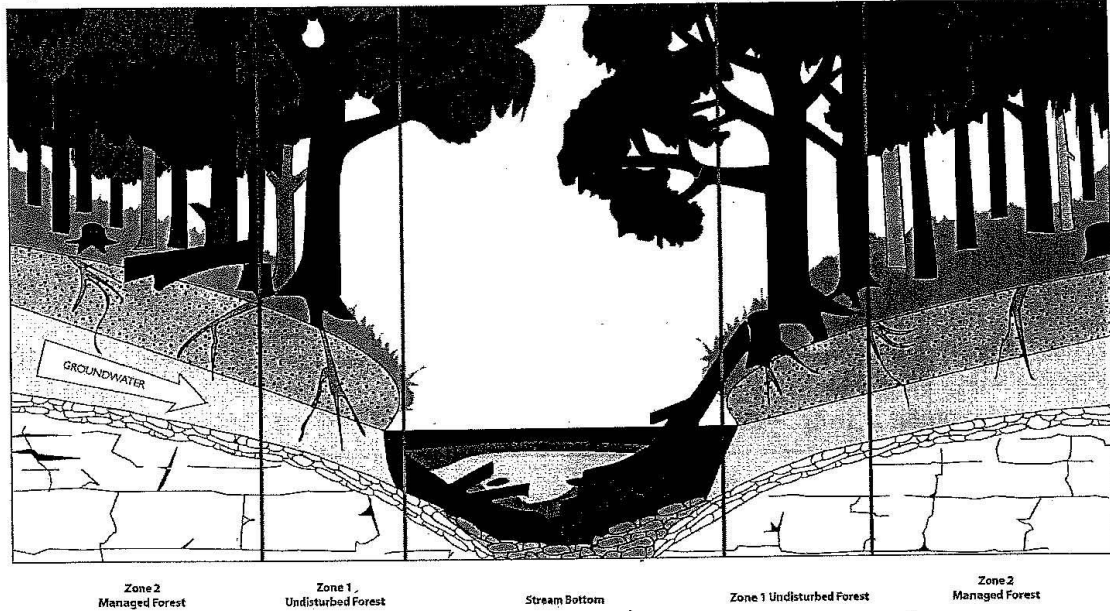
North + East + South + West = 69 Estimated % Canopy

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RIPARIAN AREA PROFILE DATA FORM

Directions: Pick a place along the stream that you particularly like. Draw a profile (cross-section, see **Figure 2**) of this place. Include the near bank, stream, and opposite bank in your drawing. If you aren't sure how to do this, ask your adult group leader. Show the water level in your drawing. Now, draw in features of the riparian zone that you think are important to salmon.

Figure 2



Salmon Watch 2014 Activity Report- DRAFT



Salmon Watch®

RIPARIAN AREA MAPPING DATA FORM

School: Scenic Middle School

Teacher: Mr. Grover

Date: 10-22-14 Time: 3:09 PM

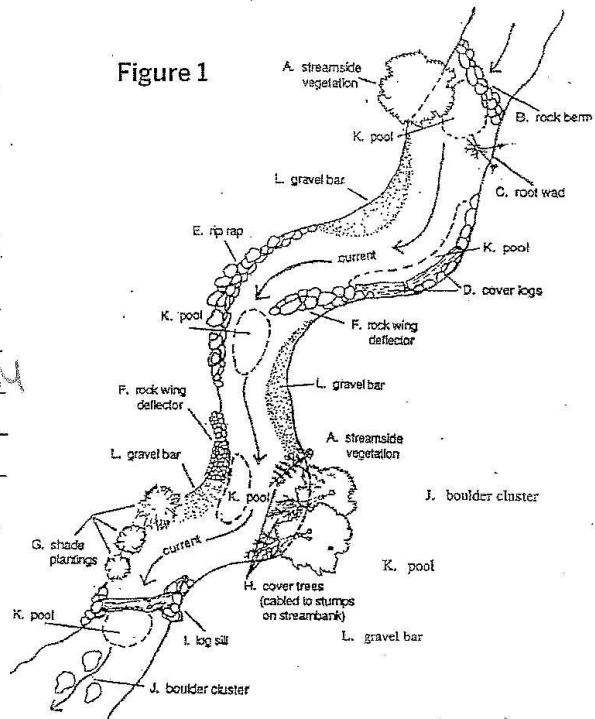
Weather: _____

Stream/Site Name: Griffin Creek

Directions: Use this space to make a map of the part of the stream that you think is important (imagine the stream from a "bird's-eye-view"). Be sure to map both the aquatic and riparian zones. Draw in all the features you think are important (see **Figure 1**).

Turn over for profile activity. →

Figure 1



Appendix B: Survey Form

Salmon Watch 2014 Activity Report- DRAFT

Salmon Watch Pre and Post Survey 2014 - 2015

School : Scenic Middle School

Date: October 17th, 2014

Teacher: Alex Grover

Grade: 8th

Please circle the statement you think is the correct answer or fill in the blank.

Is this your Pre-Test or your Post-Test? Pre-Test or Post-Test

1. Which watershed is your school in?

- | | |
|-----------------------------|---------------------------------|
| a. Jackson County watershed | d. Little Butte Creek watershed |
| b. Evans Creek watershed | e. Applegate River watershed |
| c. Bear Creek watershed | f. I don't know. |

2. What is a storm drain?

- a. The end of a rainstorm.
- b. The metal grates in a street or parking lot where the rainwater drains.
- c. A kind of bridge that a creek goes under.
- d. I don't know.

3. Where do storm drains empty?

- a. Into the underground sewerage system and then to a sewage treatment plant.
- b. Into the nearest creek or waterway.
- c. Some empty into the sewerage system for treatment and some drain directly to creeks or waterways.
- d. I don't know.

4. Where do the water, trash, chemicals, and other materials that enter Bear Creek finally end up at?

5. What species of anadromous fish are found in the Rogue River Basin?

Salmon Watch 2014 Activity Report- DRAFT

Salmon Watch Pre and Post Survey 2014 - 2015

6. What is the difference between an Abiotic Resource and a Biotic Resource?

7. List 3 things (or conditions) salmon need in their fresh-water habitat.

1. _____
2. _____
3. _____

8. List 3 things that humans should do to keep streams clean and protect water quality:

1. _____
2. _____
3. _____

9. What is a "riparian area/zone"?

10. Describe 2 ways that healthy riparian areas/zones protect water quality:

1. _____
2. _____

11. How are macro-invertebrates important the riparian ecosystem?

12. Why are macro-invertebrates important to stream scientists?

13. Do you think learning outside helps you understand science? (Circle your answer)

1. Yes, a lot! 2. A little 3. Not really 4. Not at all!

14. If you had a chance, what would you like to share with a friend or neighbor about how to keep riparian areas/zones healthy?
