



## ANNUAL NPDES PHASE II REPORT FOR FISCAL YEAR 2016

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](http://www.RVSS.us)

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## ANNUAL REPORT

### NPDES PHASE II PERMIT Number 102899 AND 1200-C and CN PERMITS

#### FISCAL YEAR 2016

#### 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 (BMPs) listed as part of the original SWMP were continued in FY 2016, with the exception of those that had been completed in prior years. In addition, although the permit for renewal has not been approved, RVSS has begun some new minimum control measures described in the renewal application (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 C contains annual reports from the communities that RVSS serves (in brief), and Appendix D consists of the Rogue Valley Council of Governments' annual report to RVSS. As backup for this annual report, RVSS has detailed documentation for meetings attended, presentations given, Operations and Maintenance (O & M) activities, an Erosion Prevention and Sediment Control permit database, enforcement database, etc. Any of this information can be made available to DEQ upon request.

#### **Major accomplishments for Fiscal Year 2016 are as follows:**

- Rogue Valley Sewer Services organized a Riparian Maintenance Training that detailed healthy riparian zones and how they support statewide goals, Total Maximum Daily Load (TMDL) compliance flood control requirements in the new FEMA Bi-OP and how to properly apply pesticides in riparian areas. Speakers

were from the Oregon Department of Environmental Quality, Oregon Department of Fish and Wildlife, Oregon Department of Land Conservation and Development/National Flood Insurance Program, and Oregon Department of Agriculture. The training was attended by 34 public works employees from throughout the Rogue Valley.

- Launched a Stream Smart Facebook page, which links to and coordinates with the Stream Smart webpage and covers stormwater quality issues and solutions for the general public, business owners, streamside residents and construction contractors.
- Together, RVSS and the Jackson Soil and Water Conservation District held a Rain Garden workshop in Talent 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 workshop was attended by 12 residents from throughout RVSS SW area. Pre- and post-tests showed an increase in knowledge of 33% following the workshop.
- RVSS is interested in promoting the use of Low Impact Development (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. The Guide was completed in winter 2016. RVSS put on two trainings for architects, engineers, landscape architects, and city staff on adapting and adopting the LID Guide for the Rogue Valley. The classes were taught by Maria Cahill and attended by 32.
- In partnership with the Rogue Valley Council of Governments (RVCOG) and the Siskiyou Velo Club, 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 33% following the ride.



*Stream Smart Logo*



*Visiting a water quality swale during the water quality bike ride.*

- RVSS works with Phase II communities to identify opportunities to create LID stormwater management. In August 2015, RVSS renovated a series of rain gardens located on Front St. in the City of Talent that had become silted-in and overgrown, such that stormwater was backing up into the streets. RVSS provided for engineering, construction and planting of the rain gardens. A significant part of the redesign was installing improved curb cuts that would facilitate movement of stormwater from the street into the rain garden and not become silted-in over time.



- The City of Phoenix is redeveloping their downtown area and decided to incorporate a permeable paver parking lot as a central element of the redevelopment. RVSS funded one third of the cost of the permeable paver installation.



*Permeable paver parking lot in City of Phoenix downtown redevelopment.*

### *B.2.b Information Collected and Analyzed*

Pre- and post-tests are used to assess knowledge gain in public education events throughout the year. Results are reported for each event throughout the Program-at-a-glance section of this report. Information on the number of: public education events held, hotline calls received, notices issued for erosion prevention and sediment control ordinance violations, and data on the stormwater features maintained by RVSS is presented in Appendix A.

RVSS conducts dry season illicit discharge sampling within a different section of the Phase II boundary each year. In FY16 sampling was conducted along three perennial creeks in the city of Phoenix: Anderson Creek, Coleman Creek and Payne Creek. A sampling plan was developed in conjunction with DEQ in 2013 and a QAPP was prepared by RVSS and reviewed by DEQ. The sampling regime involves collecting in-stream samples at points located upstream and downstream of the Phase II boundary, each week for 10 weeks. The streams are traversed from the downstream sample location to the upstream sample location to identify the locations of flowing outfalls. Samples are collected from any flowing outfalls. In FY16 both instream and outfall samples were analyzed for *E. coli* and total phosphorus. Appendix B contains water quality data collected during outfall and stream sampling events.

### *B.2.c Major Goals for FY16*

- Continue to implement the on-going activities outlined in the Stormwater Management Program Plan.
- Create and lead an LID working group to adapt the Low Impact Development Guidance manual for Western Oregon for the Rogue Valley.
- Develop a Standard Operating Procedure for inspecting post-construction stormwater quality features, both manufactured and LID BMPs, to ensure they are properly installed, and develop maintenance standards for LID features.
- Continue the dry-season illicit discharge monitoring program aimed at identifying hotspots.

### *B.2.d Changes to the SWMP*

No changes to the BMPs or measurable goals outlined in the 2004 SWMP were undertaken in FY16. However, some items have been completed, as reported years ago, but remain in the SWMP.

### *B.2.e Annexations*

No annexations occurred in the cities of Central Point, Talent or Phoenix during FY16. However, the Phase II boundary was expanded as a result of updated maps of the urbanized area in Jackson County, which were created by the EPA based on the 2010 census data. The updated urbanized area boundary added many rural residential areas of Jackson County to the Phase II boundary, as well as Industrial White City. In total, the Phase II boundary expanded by 10,816 acres. RVSS sent informational letters to each property located within the expanded boundary to inform them of the change, the stormwater fee that will now be included as part of their sewer bill, and the benefits of the stormwater program. An interactive map of RVSS' stormwater program boundary is available on our [website](#).

### *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 C. In addition, RVSS contracts with RVCOG for some of the public education elements of the Stormwater Management Plan; see Appendix D 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 the stormwater quality design manual, adapting education programs, providing brochures, and creating an enforcement strategy. The number and nature of enforcement actions in FY16 were:

- Construction related enforcement actions are listed under the 1200C and CN section below.
- A civil fine of \$500 was issued to Shari's Restaurant on 11-9-15 for willful discharge of Fat Oil and Grease (FOG) into the stormwater system. A second civil fine of \$1,000 was issued on 6-6-16 for a repeat violation. RVSS worked with the management on both occasions and was assured that there would not be a repeat incident.
- Notices were issued to 278 Food Service Establishments (FSEs) in FY16 for violation of RVSS' FOG policy; 291 FSEs corrected violations (some from previous years) within FY16. Notification to the FSE begins with a site visit and inspection of the grease trap, education on how to maintain the grease trap and properly dispose of the grease. FSEs in violation are given an opportunity and a timeframe in which to correct the problem. If the violation is not corrected within the specified timeframe, a monetary penalty is assigned.

## 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 or CN permits. A total of six 1200CN permits and one 1200C permit were issued in FY16. 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 FY16. RVSS' Standard Operating Procedure is to inspect 1200-C and CN permitted sites at the following times:

- Before the start of construction but after BMPs have been installed to ensure compliance with the approved EPSC 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 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. A table of course dates in FY16 as well as attendance and pre- and post-test scores is provided in Appendix A, Section 5.0. In addition, RVSS' own inspectors are Certified Erosion and Sediment Control Lead (CESCL) Inspectors.


### *Number and Nature of Enforcement Actions in FY16:*

- RVSS issued 19 Brown Tags and three Notices of Non-Compliance with monetary fines for violation of erosion prevention and sediment control rules at construction sites within the MS4 boundary.
  - A \$500 fine was issued to Ames Construction for stockpiling material in the street.
  - A \$500 fine was issued to Medford Hotel Inn and Suites for washing pool plaster into the storm drain.
  - A \$500 fine was issued to Buntin Construction for multiple violations of RVSS' Erosion Prevention and Sediment Control Ordinance.
- Details on the locations, dates and type of incident are included in Appendix A, Section 5.0.

## 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 and CN Permits. DEQ has not provided review or input into the effectiveness of RVSS' program since prior to FY12, 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” FY16

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
<b>1.0 Fiscal Analysis</b>	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	FY16 – Revenues and expenses for SW Utility Fund: Total revenues of \$245,000 compared to expenses of \$170,800. Does not include staff time & expenditures by Phase II Communities.  FY17 – Adopted budget includes revenues and expenses for SW Utility Fund. Total projected revenues of \$440,000 compared to anticipated expenses of \$374,300. Does not include staff time and other expenditures provided by RVSS Phase II Communities.
<b>2.1 Public Education</b>	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	FY16 – Quarterly SWAT meetings were held this year at which updates to the Rogue Valley Stormwater Design Manual were discussed and approved.  FY17 – Continue quarterly SWAT meetings to continue to discuss SW issues.
<b>2.2 Public Education</b>	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	FY16 – <ul style="list-style-type: none"> <li>• Approximately 550 brochures, stickers and activities were printed and distributed within RVSS Phase II Communities in 2016.</li> <li>• RVSS discussed SW 101 and LID in a newsletter to its customers.</li> <li>• Central Point issued six newsletters with articles related to stormwater to households within the city boundaries.</li> </ul> FY17 – Continue to update and distribute brochures, and issue newsletters when possible.
<b>2.3 Public Education</b>	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	FY16 – RVSS and RVCOG distributed 336 of the following brochures that include hotline numbers within the RVSS Phase II Communities: <ul style="list-style-type: none"> <li>• Stormwater Management</li> <li>• Erosion and Sediment Prevention</li> <li>• Stream and Wetland Enhancement Guide</li> <li>• Taking care of streams in Jackson County</li> <li>• Painting Without Polluting</li> <li>• Creeks and Concrete Don’t Mix</li> <li>• Oil and Stormwater</li> <li>• Yard Card at Home</li> <li>• RVSS talked with, as well as sent letters and brochures to residents and contractors as needed.</li> </ul> FY17 – Continue to update and distribute brochures.



## Stormwater Implementation “Program-at-a-Glance” FY16

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
<b>2.4 Public Education</b>	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"> <li>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.</li> <li>Develop ordinance requiring storm drains to be marked when constructed.</li> <li>Check drains to ensure all are marked at end of permit period.</li> </ul> <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.
<b>2.5 Public Education</b>	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 &amp; 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>FY16 –</p> <ul style="list-style-type: none"> <li>With our partners, conducted 14 Salmon Watch field days in the MS4 communities covered under the RVSS permit including 3 in the Talent/Phoenix School district, 8 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.</li> <li>The RVSS watershed model was used at the Bear Creek Watershed Education Partners (BCWEP) Symposium reaching ~200 students.</li> <li>RVCOG and other partners had many displays, presentations and educational activities throughout the year; see Appendix D for a detailed list of activities, dates and numbers reached.</li> </ul> <p>FY17 – 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>
<b>2.6 Public Education</b>	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>FY16 –</p> <ul style="list-style-type: none"> <li>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 D.</li> <li>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.</li> </ul> <p>FY17 – 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>



Talking Stormwater at JSWCD Day Camp



Salmon Watch Program Fall 2015


### Stormwater Implementation “Program-at-a-Glance” FY16

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
<b>2.7 Public Education</b>	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>FY16 –</p> <ul style="list-style-type: none"> <li>RVSS gave a presentation to the Bear Creek Working Group on Stormwater Management Features: Why are they there? What are they? How do they work?</li> <li>RVSS spearheaded organization of a Riparian Maintenance training for operations and maintenance personnel in the Rogue Valley attended by 34.</li> <li>RVSS and the Jackson Soil and Water Conservation District partnered to put on a Rain Garden workshop in Talent attended by 12. Pre and post-tests showed an increase in knowledge of 33% following the workshop.</li> <li>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 33% as a result of the ride.</li> <li>RVSS presentation dates and attendance are documented in Appendix A Sections 2 and 3.</li> </ul> <p>FY17 –</p> <ul style="list-style-type: none"> <li>Rotate leadership of SWAT meetings between RVSS, Medford &amp; Ashland.</li> <li>Continue to give stormwater quality presentations as needed and requested.</li> </ul>
<b>2.8 Public Education</b>	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>FY16 –</p> <ul style="list-style-type: none"> <li>RVSS mailed a newsletter to all of its customers that included an article on changes in the stormwater program boundary and a stormwater 101 article titled “Where does Stormwater runoff go?”</li> <li>RVCOG was interviewed by Channel 10 on 11/13/15 on forecasted rain and wet weather issues in urban areas.</li> <li>A follow-up interview of RVCOG by Channel 10 occurred on 12/18/15 covering flooding and water quality.</li> </ul> <p>FY17 – Look for opportunities to send out news releases, newsletters or other PSAs with articles on the Phase II program and 1200C Permit.</p>
<b>2.9 Public Education</b>	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>FY16 – RVSS staffed stormwater displays at the Talent Harvest, Kids and Creeks events in October.</p> <ul style="list-style-type: none"> <li>RVCOG staffed booths at these events as well as the Annual Earth Day festival and Bear Creek student symposium.</li> </ul> <p>FY17 – Continue displays and demonstrate educational model at community events.</p>
<b>2.10 Public Education</b>	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>FY16 –</p> <ul style="list-style-type: none"> <li>RVSS maintained the Stream Smart website and launched a Stream Smart Facebook page, visit <a href="http://www.stream-smart.com">www.stream-smart.com</a> to take a look.</li> <li>RVSS has added an interactive map to its website that shows the Phase II stormwater program boundary. Visit <a href="http://www.rvss.us">www.rvss.us</a>.</li> </ul> <p>FY17 – 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>
<b>3.1 Public Involvement</b>	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	<p>FY16 –</p> <ul style="list-style-type: none"> <li>Public notices were published as noted in 2.8.</li> <li>RVSS has initiated a Working Group to adapt and adopt the Low Impact Development Guidance Manual for Western Oregon.</li> </ul> <p>FY17 – Continue to participate in public meetings.</p>
<b>3.2 Public Involvement</b>	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	<p>FY16 – Same as 2.8 above.</p> <p>FY17 – RVSS expects to issue a newsletter explaining the renewed Phase II program, when that occurs.</p>

### Stormwater Implementation “Program-at-a-Glance” FY16

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
<b>3.3 Public Involvement</b>	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	FY16 – Meetings were held 7/15/15, 10/21/15, 2/17/16, 3/30/16, 5/18/16, and were attended by 9 to 17 people, including representatives from the cities of Medford, Ashland, Central Point, Eagle Point, Talent, Rogue River, Jackson County, DEQ, RVCOG and two private engineering firms.  FY17 – 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. Invite other interested parties.
<b>4.1 Illicit Discharge Program</b>	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.
<b>4.2 Illicit Discharge Program</b>	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.
<b>4.3 Illicit Discharge Program</b>	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"> <li>• Identify priority areas</li> <li>• Field assessment activities</li> <li>• Routine schedule of inspections</li> <li>• Characterize discharges found</li> <li>• Procedures to trace discharge</li> <li>• Procedures to remove discharge</li> </ul> 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	FY16 – <ul style="list-style-type: none"> <li>• RVSS developed an IDDE plan, including a DEQ approved QAPP, in 2013. This year outfalls along three creeks in Phoenix were investigated, see Appendix B for data.</li> <li>• 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, 561 inspections of FSE’s were carried out from which 278 violations were found. 291 violations were corrected within the year (some violations were from prior years).</li> </ul> FY17 – 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.

## Stormwater Implementation “Program-at-a-Glance” FY16

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
<b>4.4 Illicit Discharge Program</b>	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	FY16 – Investigation of outfalls to Anderson, Coleman and Payne Creeks in Phoenix were conducted. Flowing outfalls were sampled and analyzed for total phosphorus and <i>E. coli</i> . Three flowing outfalls were found on Coleman Creek, one on Payne Creek and none on Anderson Creek. None of the outfalls exceeded the single sample standard (406 cfu) for <i>E. coli</i> . Disposal of horse manure into the Anderson Creek was found at the upstream sample location and the residence was reported to the Oregon Department of Agriculture for enforcement.  FY17 – 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.
<b>4.5 Illicit Discharge Program</b>	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	FY16 – <ul style="list-style-type: none"> <li>RVSS has developed and implemented a spill response plan.</li> <li>This year RVSS found five illicit discharges which it responded and ensured they were addressed.</li> <li>In addition, two illicit discharges were reported to RVSS which RVSS followed up on and ensured they were properly addressed.</li> </ul> FY17 – Continue to implement spill response plan and continue to respond to hotline calls for spills.
<b>4.6 Illicit Discharge Program</b>	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.
<b>4.7 Illicit Discharge Program</b>	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	FY16 – RVSS organized a training for municipal maintenance staff on riparian zone maintenance techniques. The training included a talk by Paul Khokhar of Oregon Department of Ag. on proper herbicide and pesticide application to avoid illicit discharge. The training was attended by 34 public works employees from throughout the Rogue Valley.



Anderson Ck. - Horse manure in creek.



Payne Ck. outfall 5




Coleman Ck. outfall 5

**Stormwater Implementation “Program-at-a-Glance” FY16**

<b>Program Area</b>	<b>Regional Guide Measures</b>	<b>Responsible Party</b>	<b>Implementation Tasks from SWMP</b>	<b>Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)</b>	<b>Goal(s) Achieved Levels 1,2,3,4,5</b>	<b>Accomplishments, proposed changes and plans for the coming year</b>
<b>5.1 Construction Site Program</b>	Adopt an Erosion and Sediment Control Ordinance (5.3.1)	RVSS Manager	Adopt ESC Ordinance in 4.2 that will include requirements for projects disturbing at least 1 acre.	Adopt Design Manual by Dec 2005 and Ordinance by June 2006. Reviewed RVSS Phase II Communities ordinance for conflicts to RVSS Ord.  RVSS will be DEQ’s agent responsible for permit reviews, inspections, and enforcement.  Level 1 – document permits, inspections & enforcement Level 2 – raise awareness at construction site not to dump in storm drain Level 3 – require cleanup of discharges and enforce fines Level 4 – pollutants reduced through BMP installation and maintenance	Yes/Levels 1,2,3,4	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.  RVSS will continue to manage 1200CN and 1200C Permits, enforce Stormwater Ordinance, track permits and adapt ordinance as needed.
<b>5.2 Construction Site Program</b>	Train Plan Reviewers and Field Inspectors (5.3.2)	RVSS Stormwater Program Coordinator and DEQ/RVCOG	Train staff responsible for reviewing plans and inspecting construction.	Document and report the number of hours spent on training.  Level 1 – document permits, inspections & enforcement Level 2 – require a certified erosion control inspector for every project Level 3 – require cleanup of discharges and enforce fines Level 4 – pollutants reduced	Yes/Levels 1,2,3,4  Knowledge level raised through classes based on pre-test scores of 61% and 54% and post-test scores of 92% and 89%.	FY16 – <ul style="list-style-type: none"> <li>With the renewal of the 1200C permit, all erosion and sediment control inspectors previously certified by RVSS were required to be recertified. RVSS updated the course content to contain the new requirements. Designated Erosion Prevention and Sediment Control Inspector trainings were held twice each in January and February and once each in March, May and June. Since January 2016, 148 contractors, engineers and public works staff have been certified by RVSS.</li> <li>On average, scores increased 35% from pre to post-tests (Appendix A, Section 5.0).</li> <li>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 builders of projects &lt;1 acre are not required to take the course.</li> </ul> FY17 –Continue education of contractors, engineers and municipal staff.
<b>5.3 Construction Site Program</b>	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	FY16 – <ul style="list-style-type: none"> <li>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.</li> <li>A total of six 1200CN permits and one 1200C were issued in FY16. In addition, four 1200CN permits were renewed and three were terminated.</li> </ul> FY17 – 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.
<b>5.4 Construction Site Program</b>	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	FY16 - 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 FY16 regarding ESC issues from construction sites.  FY17 - RVSS will continue Hotline number record keeping and responding to calls including documentation of call resolution.

### Stormwater Implementation “Program-at-a-Glance” FY16

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
5.5 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	FY16 – Conducted pre-construction inspections and numerous on-site verbal discussions with contractors. <ul style="list-style-type: none"> <li>RVSS issued 19 Brown Tags for violation of erosion prevention and sediment control rules at construction sites within the MS4 boundary</li> <li>Three Notices of Non-Compliance with fines of \$500 each were issued for non-compliance with RVSS Code 4.05.</li> <li>In addition to the 1200CN permits, small site Storm Drain Permits for sites &lt; 1 acre were issued: Central Point issued 156, Talent issued 41, and Phoenix issued 1. Jackson County discontinued issuance of Storm Drain Protection Permits in 2012.</li> </ul> FY17 – 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, Notice of NON-Compliance 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	FY16 – RVSS sent announcements of ESC trainings to engineering and architecture firms, and construction contractor and government offices. Notices were also posted on RVSS' website.  FY17 – Continue to distribute notices of trainings offered via email contacts and posting on RVSS' website.
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 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"> <li>Adopt ordinance</li> <li>Adopt Design manual</li> </ul> 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.  FY16 – RVSS was 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. RVSS in conjunction with the SWAT has updated language within the Design Manual regarding treatment requirements for oil and grease.  FY17 – RVSS will coordinate a working group of local entities to adopt and adapt the LID Guide for the Rogue Valley.

### Stormwater Implementation “Program-at-a-Glance” FY16

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
<b>6.3 Post-Construct. SW Program</b>	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	FY16 – <ul style="list-style-type: none"> <li>Post-construction stormwater management plans are reviewed by RVSS’ Engineer and SW Manager to ensure they comply with the Design Manual.</li> <li>RVSS organized two trainings by Maria Cahill of Green Girl Consulting on adoption and adaption of the LID Technical Guidance template. The first training was attended by 22 stormwater managers, engineers, landscape architects and government employees and introduced them to the LID guidance template, what it is and how it will affect them. The second training was attended by 10 engineers and stormwater program managers and introduced the BMPs that are detailed within the manual.</li> </ul> FY17 – RVSS will hold a training on adopting and using the new LID Guidance Manual.
<b>6.4 Post-Construct. SW Program</b>	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	FY16 – RVSS reviews stormwater management plans for all developments creating 2,500sf or more of impervious surface within RVSS’ Phase II boundary. In FY16, 15 projects were reviewed and approved.  FY17 – RVSS will continue to review plans for stormwater management features as they come into our office and will continue to conduct post-construction inspections.
<b>6.5 Post-Construct. SW Program</b>	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	FY16 – <ul style="list-style-type: none"> <li>Following construction, features were inspected to ensure their installation was consistent with site plans.</li> <li>Continued implementation of Stormwater Ordinance and record keeping system to track structural BMPs installed in RVSS Phase II Communities.</li> <li>RVSS inspects stormwater quality features following 0.5 inch storm events and cleans as needed. Removed ~0.815 CY of sediment and 5.4 CY of trash.</li> <li>Details of inspections and maintenance are provided in Section 6.0 of Appendix A.</li> </ul> FY17 – 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.
<b>7.1 Pollution Prevention in Municipal Operations Program</b>	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"> <li>Description of maintenance activities</li> <li>List of responsible departments and persons</li> <li>Schedule of activities</li> <li>Review maintenance of parks and open spaces</li> <li>Review and record herbicide and pesticide uses</li> </ul>	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	FY16 – Herbicide/pesticide application in 2016: <ul style="list-style-type: none"> <li>Central Point – 1,643 gal</li> <li>Jackson County – 2,473 gal (this countywide, not just within the Phase II)</li> <li>Phoenix – 13 gal</li> <li>Talent – 1.9 gal</li> </ul> FY17 – 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.

**Stormwater Implementation “Program-at-a-Glance” FY16**

<b>Program Area</b>	<b>Regional Guide Measures</b>	<b>Responsible Party</b>	<b>Implementation Tasks from SWMP</b>	<b>Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)</b>	<b>Goal(s) Achieved Levels 1,2,3,4,5</b>	<b>Accomplishments, proposed changes and plans for the coming year</b>
<b>7.2 Pollution Prevention in Municipal Operations Program</b>	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	FY16 – See 7.1 for O & M Plan. <ul style="list-style-type: none"> <li>Central Point maintains 22 pet waste stations and distributed 120,000 bags.</li> <li>Phoenix maintains pet waste stations at three parks and used 1,000 doggy bags.</li> <li>Talent maintains 14 pet waste stations and distributed 50,000 doggy bags.</li> <li>Jackson County maintains 8 pet waste stations countywide and distributed 8,000 doggy bags</li> <li>For herbicide and pesticide use see 7.1 above.</li> </ul> FY17 – 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.
<b>7.3 Pollution Prevention in Municipal Operations Program</b>	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"> <li>Description of maintenance activities</li> <li>List of responsible departments and persons</li> <li>Schedule of activities</li> <li>Review maintenance of parks and open spaces</li> </ul>	<ul style="list-style-type: none"> <li>Central Point – self-contained vehicle washing facility with filtration system – Operation will be in O &amp; M Plan.</li> <li>Jackson Co. – covered self-contained vehicle washing facility with settling tank to sanitary sewer. Solids tested. Operation will be in O &amp; M Plan.</li> <li>Talent – brush off and washing at PW over a gravel area.</li> <li>Phoenix – Phoenix constructed covered vehicle washing facility. Operation will be in O &amp; M Plan.</li> <li>RVSS – Use private washing or RVSS facility that includes oil/water separator.</li> </ul> Effectiveness: Same as 7.2.	Yes/Levels 1,2	FY16 – 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.  FY17 – City of Phoenix is in the process of developing an SOP for washing city vehicles.
<b>7.4 Pollution Prevention in Municipal Operations Program</b>	New Construct. and Land Disturb. (7.3.4)	RVSS Manager and PWD for Phase II	Inspect permitted construction sites for SWQ violations.	Record inspections, violations and follow up work needed for SWQ and document for annual report.  Level 1 – adopt ord. 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	Yes/Levels 1,2,3,4	FY16 – 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.  FY17 – RVSS will continue as a DEQ Agent and will continue to inspect public construction projects for proper BMP installation and maintenance.
<b>7.5 Pollution Prevention in Municipal Operations Program</b>	Dust Control Practices (7.3.5)	RVSS Manager and PWD for Phase II	Inspect permitted construction sites for SWQ violations	Record inspections, violations and follow up work needed for SWQ and document for annual report.  Level 1 – adopt ord. 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	Yes/Levels 1,2,3,4	See 7.4.



### Stormwater Implementation “Program-at-a-Glance” FY16

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	FY16 – <ul style="list-style-type: none"> <li>• Central Point – worked in the south end of Zone 3 (See appendix B) and video inspected 1.5 miles of mains and laterals. They determined that no cleaning was needed in this section of the stormwater system. <ul style="list-style-type: none"> <li>– entire city swept at least once a week, removed 364 tons of material</li> <li>– annual leaf pickup removed 113 tons of leaves</li> </ul> </li> <li>• Talent <ul style="list-style-type: none"> <li>– swept streets twice per month since Jan. 2016 (total of 208 miles of swept)</li> <li>– 14 publicly owned stormwater features were maintained</li> <li>– Inspected 273 storm drains and curb inlets out of a total of 372 and cleaned 103</li> <li>– 145 bags (35 lb capacity) of leaves were collected during the fall leaf pick up</li> </ul> </li> <li>• Phoenix <ul style="list-style-type: none"> <li>– swept 19.5 miles of street monthly removing a total of 65 cy of material</li> <li>– inspected 200 storm drains and cleaned 53 removing 7 cy of material</li> <li>– inspected 22 catch basins of which 15 were cleaned removing 2 cy of material</li> <li>– removed 13 tons of leaves through the fall leaf program</li> </ul> </li> <li>• Jackson County <ul style="list-style-type: none"> <li>– cleaned 2,449 pipes or inlets</li> <li>– swept 2,200 miles of road</li> </ul> </li> </ul> FY17 – Continue to work with RVSS Phase II Communities to better document maintenance activities.
7.7 Pollution Prevention in Municipal Operations Program	Open Channel and Structural SW Controls (7.3.6.1)	RVSS Manager and PWD for 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	FY16 – Maintain records of maintenance activities: <ul style="list-style-type: none"> <li>• RVSS maintains structural stormwater quality and detention facilities located within the right of way or public easements. See attachment A section 6.0 for maintenance records. The cities and county maintain vegetated facilities located on public property through mowing and weed abatement.</li> </ul> FY17 – Continue to work with RVSS Phase II Communities to document maintenance activities.
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	FY16 – Phase II communities documentation: <ul style="list-style-type: none"> <li>• Jackson County has an Adopt a Road program with 41 adopted roads, volunteers clean at least once per year.</li> <li>• CP has an Adopt a Street Program – 25 adopted streets totaling 16 miles – volunteers clean at least once per year</li> </ul> FY17 – Continue to work with RVSS Phase II Communities to document maintenance activities
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"> <li>• Central Point, Jackson County and Talent will review flood management projects for opportunities to include SWQ.</li> <li>• Phoenix – Continue to implement SW Master Plan</li> </ul> Level 1 – document maintenance and flood management work Level 2 – raise staff awareness	Yes/Levels 1,2	FY16 – <ul style="list-style-type: none"> <li>• RVSS renovated a series of rain gardens along Front St. in Talent that were no longer able to receive stormwater runoff due to poor design and maintenance. Design, construction and plant installation were all provided for by RVSS.</li> <li>• RVSS covered 1/3 of the cost of a pervious paver installation in the City of Phoenix’s urban redevelopment. This feature performs stormwater treatment and detention.</li> </ul> FY17 – <ul style="list-style-type: none"> <li>• RVSS will continue to work with Phase II communities to identify areas requiring flood management that can also perform water quality improvement.</li> </ul>

## Stormwater Implementation “Program-at-a-Glance” FY16

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
<b>7.10 Pollution Prevention in Municipal Operations Program</b>	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	FY16 – <ul style="list-style-type: none"> <li>The Riparian Maintenance Training on April 28<sup>th</sup> was attended by 4 Jackson county, 4 Central Point, 3 Phoenix, and 4 Talent employees.</li> <li>The Low Impact Development Trainings in March 2016 were attended by 2 Central Point, 1 Jackson County, 2 RVSS, and 1 Talent employee.</li> <li>Erosion Prevention and Sediment Control Inspector Training was attended by 18 RVSS employees, 3 Central Point, 2 Phoenix, 3 Talent, and 3 Jackson County employees.</li> </ul> FY17 – Continue to train staff from Ph II Communities as needed.
<b>8.0 Evaluation and Assessment</b>	<b>Meet Permit Requirements</b>	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	FY16 – Submit annual report for Phase II and 1200C programs in accordance with DEQ requirements.  FY17 – Continue to submit annual reports in accordance with DEQ requirements.



RVSS Erosion Prevention and Sediment Control Inspector Training

**APPENDIX A**  
**DOCUMENTATION OF RVSS' NPDES PHASE II ACTIVITIES**

## Section 2.0 Public Education Documentation

### Rogue Valley Sewer Services Public Education and Outreach Events FY 2016

Event	Audience	Location	Date	Visitors
Talent Harvest Festival	General Public	City of Talent	10/3/2015	157
Salmon Watch	Youth	Valley of the Rogue State Park	9/29/2015	60
Salmon Watch	Youth	Valley of the Rogue State Park	10/1/2015	60
Kids and Creeks	General Public	Bear Creek Park, Medford	10/17/2015	75
LID Guidance Template Training for Municipalities	Land Use Policy/Planning Staff	RVSS	3/1/2016	22
LID Guidance Template Training for Engineers	Construction/Development	RVSS	3/2/2016	14
Rain Garden Workshop	General Public	RVSS		12
Riparian Maintenance Training for Public Works and Parks Employees	Public Works Staff	Jackson Soil and Water Conservation District office	4/28/2016	34
Stormwater Management Features: What are they, Why are they there, what do they do	General Public	Bear Creek Working Group	5/9/2016	10
Water Quality Bike Ride	General Public	Talent, OR	6/11/2016	18
Jackson Soil and Water Conservation District Day camp	Youth	Jackson County	6/21 and 6/23/16	40

**Total Residents reached directly by RVSS: 502**

## Section 3.0 Public Involvement Documentation

### Rogue Valley Sewer Services Public Involvement FY 2016

Organization	Frequency	Duration
Bear Creek Working Group Meetings	monthly meetings	2 hr
Presentation given: Stormwater Management Features: Why are they there? What are they? How do they work?	May 2016	
Rogue River Watershed Council Board	monthly meetings	3 hr
Bear Creek TMDL workgroup	quarterly meetings	2 hr
Stormwater Advisory Team Meetings	quarterly meetings	2 hr
Rogue River TMDL workgroup	quarterly meetings	2hr

## 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?
11/9/2015	RVSS	Shari's restaurant CP	Oil and grease are being disposed of directly into the stormwater catch basin in the parking lot of the Shari's Restaurant.	Issued notice of non-compliance with \$500 fine for willful discharge. Required change of practice to proper grease disposal.	yes
4/13/2016	Max Woody, Central Point Public Works Director	from Grange co-op to Pine St. in CP	fertilizer	City of CP responded and swept up fertilizer	yes
5/24/2016	RVSS	ServPro Ave G in White City	unknown white liquid	SW manager spoke w/ property owner onsite, was assured that this was a one time incident. Owner spoke with employees on 5/24/16 to attempt to determine what was dumped and was unable, owner cleaned storm drain and surrounding area. No discharge was found in downstream manhole. SW manager stated that RVSS will keep an eye on the location.	yes
6/3/2016	RVSS	7414 27th St. White City	cross connection of sanitary with storm	Contractor disconnected lateral and reconnected to sanitary sewer lateral.	yes
6/6/2016	RVSS	Shari's Restaurant CP	Oil and grease are being disposed of directly into the stormwater catch basin in the parking lot of the Shari's Restaurant.		
6/19/2016	Albertson's	Albertson's Central Point	gasoline spill in the SW drain	contacted Albertson's, they will have someone out 6-23-16 to clean	yes

6/22/2016	RVSS	Rabun Way CP	Ken's Pro Carpet Clean hosing off filters in driveway	talked with employee and educated him on not washing on a impervious surface	yes
7/27/2016	private citizen	1120 Temple Dr CP-Austin Noles responsible party	oil dumped in catch basin	RVSS cleaned out catch basin	yes

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

In Fiscal Year 2016 RVSS added a full time Fats, Oils and Grease inspector, whereas previously FOG inspections were carried out by RVSS inspectors during slow construction periods.

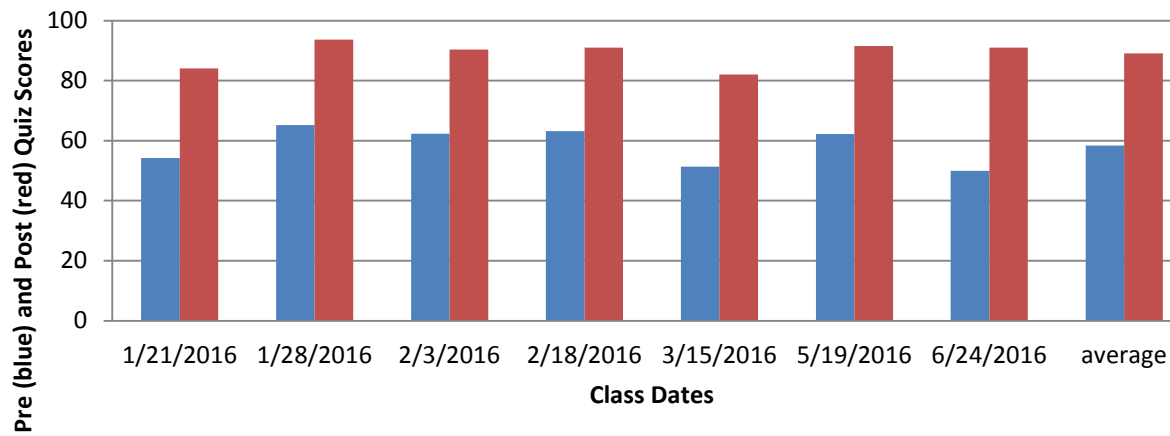
	<b>FY 2015</b>	<b>FY 2016</b>
New Food Service Establishments (FSE's) in RVSS Sewer District	1	34
Number of Inspections:	29	561
Number of FSEs in Violation:	18	278
Of those in Violation, Number of FSEs Fixed:	2	291
New Interceptors Installed:	1	97

## Section 5.0 Construction Site Program Documentation

### RVSS Erosion and Sediment Control Inspector Training in FY16

Class Date	Attendee #	Average Quiz scores			
		Pre-test	% pre	Post-test	% post
1/21/2016	29	6	54	21	84
1/28/2016	20	7	65	23	94
2/3/2016	18	6	62	21	90
2/18/2016	23	6.3	63.1	22.8	91.0
3/15/2016	27	7	51	21	82
5/19/2016	24	6.4	62.3	23.0	91.6
6/24/2016	12	5.0	50.0	22.8	91.0
average	153	6	58	22	89

### RVSS Erosion and Sediment Control Inspector Class





**Projects for which a Notice of Non-Compliance was Issued FY 2016**

Date of violation	Violation	RVSS inspector	Applicant/Violator Name	Notice of Non-Compliance	Was Issue Corrected?	Fine Paid?
7/30/2015	stock piles spilling into street	DH	Daniel Ames, Ames Construction	yes & \$500 fine	yes	yes
10/9/2015	washing pool plaster in storm drain	BJ	Medford Hotel Inn & Suites (CP)	yes & \$500 fine	dug out of CB, put into field to dry	waived after site visit
2/18/2016	unmaintained BMPs	DH	Buntin Construction	yes & \$500 fine		

**Projects for which a Brown Tag or Stop Work Order was Issued FY 2016**

Date	Address	Violation(s)	RVSS Inspector	1200CN Inspector or Resident Name	Brown Tag (BT) or Stop Work Order?	Was Violation Corrected ? (Date)
7/20/2015	3516 Ave H White City	joint compound thrown in gutter/stockpile	BJ	Horton Homes	BT	yes, 7/21/15
7/28/2015	866 Holley St.	spoils in curb/gutter, stock pile overflowing to street	DH	Ames Custom Homes	BT	
8/6/2015	866 Holley St.	spoils in curb/gutter, stock pile overflowing to street	JM		BT and fine	yes, 7/21/15
11/20/2015	Twin Creeks Eagle Rock Dr.	heavy track out, biobags not maintained	BJ	Bret Moore	BT	
12/3/2015	1971 Jasmine Ave	no BMPs, discharging discolored water to MID	DH	N/A	BT	yes, 12-3-15
12/16/2015	Phoenix Urban Renewal	material in street, need to maintain const. entrance	DH	Jeff Fowler, Pilot Rock	BT	yes, 12-17-15
12/17/2015	262 Wintersage Cr. Talent	material in street & gutter, need BMPs	DH	Karrick/Whittle Construction	BT	yes, 12-21-15
12/21/2015	164 Poppy Bay, Talent	material in street & gutter, need BMPs	DH	Buntin Const.	BT	yes, 12-21-15
12/22/2015	849 Talent Ave. Talent	track out	DH	Homewise Investment	BT	yes, 12-21-

						15
1/29/2016	Twin Creeks Eagle Rock Dr.	track out, unmaintained BMPs	BJ	Bret Moore	BT	
2/16/2016	Clearview Subdivision	BMPs not installed maintained	DH	Buntin Const.	BT, NONC	
2/18/2016	S. Stage b/t Columbus & Happy Valley	track out	DH	River Lane Homes	BT	
2/26/2016	Saddlebrook	track out	BJ	Jon Janakes	BT	
2/26/2016	Atlantic Partition	unmaintained BMPs	BJ	Bob Fellows	BT	
4/13/2016	Twin Creeks		BJ	Bret Moore	BT	yes 4/14/16
6/28/2016	810 Front St.- Steve Swartsley	track out	JM	Steve Swartsley	BT	yes, 6-30-16
8/23/2016	Vitus Construction	unprotected catch basin	BJ	Vitus Construction	BT	yes
9/8/2016	Storage R Us	track out	BJ	Steve Varhalla	BT	
9/19/2016	Twin Creeks Eagle Rock Dr.	bio-bags not maintained	BJ	Bret Moore	BT	yes

### 1200C and CN Permits Terminated in FY 2016 in RVSS' Phase II Area

Termination Date	RVSS/ DEQ Permit Number	Site Common Name	Site Address	Permittee Legal Name
04-Jan-16	SWQ12-003/ORR10-	Whispering Trees	137 W. Vilas Road, , OR	Travis Snyder
19-Apr-16	SWQ15-010-CN/ORR10-	Jackson County Justice Courts	4173 Hamrick Rd, , OR	Jackson County
25-Apr-16	SWQ15-009-CN/ORR10-	Fed Ex	555 Federal Way, , OR	Ordell Construction LLC

## RVSS Stormwater Projects

Fiscal Year 2016

<u>Pjt No</u>	<u>Project Name</u>	<u>Jurisdiction Location</u>	<u>Status</u>	<u>Comments</u>
06-80\115275	Twin Creeks Crossing - phase 2	Central Point		
07-05\116281	Auburn Estates, Phase 1	Jackson County		
11-10\SWQ123245-CN	Lithia Springs Resort Expansion	Jackson County	Under Construction	
12-01\SWQ12-003	Whispering Trees Subdivision	Central Point		
14-04\SWQ14-009-CN	Saddlebrook Meadows	Jackson County	Under Construction	SW feature was accepted 6-1-15. Construction on-going.
14-06\SWQ124139-C	Antelope Industrial Park	Jackson County	Under Construction	
15-07\SWQ15-008-C	Lisk Estates Phase 2	Jackson County	Plans Approved	
15-15\SWQ15-011-CN	Phoenix Downtown Roadway Improvements	Phoenix	Under Construction	Need a new designated inspector before proceeding w/ construction.
16-13\SWQ16-003-CN	Costco	Central Point	Under Review	
16-16\SWQ16-005-C	Patriot Station	Jackson County	Under Review	
J233\SWQ15-002-CN	Freeman Rd CP	Central Point	Testing/As-builts	Waiting for veg. to fill in before terminating permit.
SWQ123957-CN	Ave. G Grading Plan	Jackson County	Under Construction	
SWQ124365-CN	Medford Dryer Location	Jackson County	Under Construction	

## RVSS Stormwater Projects

Fiscal Year 2016

<u>Pjt No</u>	<u>Project Name</u>	<u>Jurisdiction Location</u>	<u>Status</u>	<u>Comments</u>
SWQ14-003	Creekside Estates	Phoenix	Under Construction	demo'd buildings
SWQ14-006	City on a Hill	Phoenix	Under Construction	Construction on hold.
SWQ15-001-CN	Knollcrest Development	Phoenix	Plans Approved	Status?
SWQ15-006	Talent Community Center	Talent		bioswale is built- outlet was covered while veg. established. Need to check.
SWQ15-007	Atlantic Partition	Jackson County	Under Construction	
SWQ15-009-CN	FedEx Expansion Project	Central Point	Testing/As-builts	swale is constructed. Waiting for veg. to establish before terminating.
SWQ15-010-CN	Jackson County Justice Courts	Central Point	Under Construction	
SWQ16-001-CN	Storage-R-Us	Central Point	Plans Approved	
SWQ16-002	810 Front St.	Central Point	Under Construction	
SWQ16-004	3 lot partition	Central Point	Under Construction	awaiting plants
SWQ16-006-CN	Exit 24 Storage	Phoenix	Under Review	
SWQ16-007	Skyrman Arboretum	Central Point	Under Review	Still waiting on disturbed acreage to determine if needs a 1200CN
SWQ16-008	All Pro Fleet Services	Jackson County	Under Review	

## RVSS Stormwater Projects

Fiscal Year 2016

<u>Pjt No</u>	<u>Project Name</u>	<u>Jurisdiction Location</u>	<u>Status</u>	<u>Comments</u>
SWQ16-009	141 Trout Way	Jackson County	Under Review	
SWQ16-010	JSWCD Building Expansion	Central Point	Under Review	
SWQ16-011-CN	Dollar General	Talent	Plans Approved	
SWQ16-012	Community Bible Church	Central Point	Under Review	
SWQ16-013	Hiatt Ln. Apartments	Central Point	Under Review	
SWQ16-014-CN	Rite Aid Phoenix	Phoenix		applicant on 1200CN is different from project contact. Larry Cummins in Irvine, CA. See app. for contact info.
SWQ16-015-CN	Southern Oregon Vet Clinic	Central Point	Plans Approved	Two bioswales will be built during this project, one on the SE parcel and one on the NE parcel. Both must be completed prior to CO being issued.
SWQ17-001-C	Retrofit Infrastructure Electrical Systems	Jackson County	Plans Approved	No SW management is associated with this project as there will be no development of new impervious surfaces.
SWQ17-003	401 S Pacific Highway	Talent	Plans Approved	

## 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 FY2016.

# 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	111	Mid Valley Subdivision	Detention Pipe	ADS	0	Griffin Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	14	Gray Court	Proprietary System	ADS	1.8	Bear Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	33	Jewett Elementary School	Proprietary System	Environment 21	121	Mingus Creek	N	12/9/2015	1/2" Rain Event, Needs Trash Removed			
									1/29/2016	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	48	Scenic Heights Housing Development	Proprietary System	Contech	2.43	Bear Creek	N	12/9/2015	1/2" Rain Event, Needs Sediment Removed			
Y	Central Point	77	Gebhard SWQ Structure	Proprietary System	Suntree	120	Bear Creek	N	12/4/2015	1/2" Rain Event, Needs Leaves, Trash Removed from Structure			
									1/29/2016	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	121	Creekside Village	Detention Pipe / Manhole		0		N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	156	Liberty Place	Proprietary System	Contech	0	Griffin Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	Central Point	196	Freeman Rd CP	Proprietary System	Contech	3.58	Mingus Creek	N	3/29/2016	No issues / Initial Insp.			
Y	Central Point	215	Northern Heights PUD	Detention Pipe		0	Griffin Creek	N					
Y	Central Point	64	Upton Road Realignment	Proprietary System	CDS	4	Mingus Creek	N	12/9/2015	1/2" Rain Event, Needs Sediment Removed			
Y	Phoenix	29	Home Depot-Phoenix	Detention Pond Sized for Water Quality		4.2	Bear Creek	N					
Y	Phoenix	39	LA-Z-BOY Furniture	Home Depot Wet Ponds		0	Bear Creek	N					
Y	Phoenix	49	4th Street Improvements	Proprietary System	Contech filters	0.3	Bear Creek	N	12/9/2015		12/15/2015	0.25	5
									1/21/2016	Inspected after 0.5in rain, no mx required.			
									1/29/2016	Inspected after 0.5in 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	Phoenix	93	E 4th Street SWQ Structure	Proprietary System	Suntree	90	Bear Creek	N	12/9/2015 1/21/2016 1/29/2016	Needs full service. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Phoenix	133	Lawrence Extension/Chelsea Gardens	Proprietary System		0		N	12/9/2015 1/21/2016 1/29/2016	Sediment chambers need to be cleaned. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.	1/4/2016	0.065	0
Y	Phoenix	24	Huntley Subdivison	Proprietary System	CDS	2.92	Coleman Creek	N	1/21/2016 1/29/2016	Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	105	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	26	Park View Townhomes	Proprietary System	Stormwater3 60	0.729	Bear Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	92	Gangnes Dr SWQ Structure	Proprietary System	Suntree NSBB	26	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	Needs full service. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.	12/15/2015	0.5	0.25
Y	Talent	95	Suncrest Stormwater Quality Structure	Proprietary System	Bio Clean Env SWA	27	Bear Creek	N	12/9/2015 1/21/2016 1/29/2016	Needs full service. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	100	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in 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	101	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	102	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/10/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	104	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	106	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	176	Bear Creek Bridge, West Valley View Rd	Proprietary System	Hydra International	0	Bear Creek	N	12/9/2015 1/21/2016 1/29/2016	All 3 need full service. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	Talent	103	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	12/9/2015 1/21/2016 1/29/2016	No maintenance required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			
Y	White City	139	SO Goodwill	Proprietary System	Hydro International	0	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	84	West Channel B	Proprietary System		260	Whetstone Creek	N	12/9/2015 1/29/2016	1/2" Rain Event, Needs Trash Removed 1/2" Rain Event, No Cleaning Needed	12/10/2015	0	0.074
Y	White City	85	Desert View Estates	Detention Pipe	ADS	0.9	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	86	Sharon Way	Proprietary System	Contech	1.7		N	12/9/2015	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	White City	185	Saddlebrook Meadows	Proprietary System	CDS	2	Whetstone Creek	N					
Y	White City	87	Fallbrook Meadows	Proprietary System	Contech	0.3	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	90	White Mountain	Proprietary System	Hydro International	140	Whetstone Creek	N	12/9/2015 1/29/2016	1/2" Rain Event, Needs Trash Removed /2" Rain Event, No Cleaning Needed			
Y	White City	69	Miracle Meadow 2	Proprietary System	Vortech Model 1000	1.36	Whetstone Creek	N	12/9/2015	1/2" Rain Event, Needs Sediment and Trash Removed	12/9/2015	0	0.074
Y	White City	157	Freedom Square	Proprietary System	Contech	0	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	12	Miracle Meadow Subdivision	Proprietary System	Vortechs	3.33	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	13	Fieldstone Estates	Proprietary System	Vortechs	2.36	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	16	Birchwood Estates	Proprietary System	Hydro International	1	Whetstone Creek	N	12/9/2015	1/2" Rain Event, Needs Sediment and Trash Removed	12/10/2015	0	0.009
Y	White City	19	Woodland Village	Proprietary System	Vortechs	3.14	Whetstone Creek	N	12/9/2015	1/2" Rain Event, Needs Sediment Removed			
Y	White City	20	Agate Meadows	Proprietary System	Hydro International	6	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	83	Ave A and Div SWQ Feature	Proprietary System	Environment 21	108	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	23	Antelope Cove	Proprietary System	CDS	3.34	Whetstone Creek	N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	32	Danielle Estates Subdivision	Proprietary System	VortSentry	0.86	Whetstone Creek	N					
Y	White City	66	Desert View	Proprietary System	ADS	3.34		N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
Y	White City	68	Antelope Run	Proprietary System	ADS	3.34		N	12/9/2015	1/2" Rain Event, No Cleaning Needed			
N	Central Point	62	Providence Medford Medical Center	Grassy Swale		0.605	Mingus Creek	N					

# 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
N	Central Point	170	4 Seasons Marine	Proprietary System	Contech	0	Bear Creek	Y	12/9/2015	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	72" Manhole With Weir Plate		0	Mingus Creek	N	3/29/2016	No Issues at this time			
N	Central Point	9	Four Seasons Subdivision	Detention Pond Sized for Water Quality		6.65	Bear 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					
N	Central Point	71	Microvellum	WQ Pond		0		Y	3/29/2016	No issues at this time, will inspect @ next rain event...			
N	Jackson County	126	Camus Court	Grassy Swale		0		N					
N	Jackson County	130	Mt. Pitt Meadows			0		N					
N	Jackson County	131	Valley Meadows Estates	Detention Pond	Dutton Pond	0		N					
N	Jackson County	137	Kyra Subdivision	Detention Pond	Dutton Pond	0		N					
N	Jackson County	89	JCURA	Detention Pond	Dutton Pond	145.2	Little Butte Creek	N					

# 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
N	Jackson County	58	Rachor Hangar	Detention Pond Sized for Water Quality		2.39		N					
N	Jackson County	122	Pear Tree Self Storage	swale		0		N					
N	Jackson County	118	Kyra Subdivision	Detention Pond		0		N					
N	Medford	63	Table Rock Terminal Expansion	Detention Pond Sized for Water Quality		0		N					
N	Phoenix	25	Sophia's Place	Porous Pavement		0.2	Coleman Creek	N					
N	Talent	31	Camus Court	Grassy Swale		2.95	Bear Creek	N					
N	Talent	28	Talent PW Bldg Area	Detention Pond Sized for Water Quality		42	Bear Creek	N					
N	Talent	46	Old Bridge Village			0		N					
N	Talent	60	Suncrest Park Fill Site	Grassy Swale		0		N					
N	Talent	113	B&D Business Park	Detention Pipe		0		N					
N	Talent	120	Clearview PUD	Grassy Swale		0		N					
N	Talent	129	Talent Civic Center	vegetated swale?		0		N					
N	Talent	151	West Valley View, Ph 1	Detention Pond		0	Bear Creek	N					
N	Talent	152	Schmelzer's Place	Detention Pipe		0		N					

# 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
N	Talent	189	Dragonfly Commercial Building, LLC	Detention Vault Sized for Water Quality	Contech	0.52	Bear Creek	Y	12/9/2015	No maintenance required.			
N	Talent	27	Crimson Court	Detention Pipe		2.3	Bear Creek	N	12/9/2015	No maintenance required.			
N	White City	168	Lanfear Partition	Grassy Swale		1	Whetstone Creek	Y					
N	White City	3	Auburn Estates, Phase 1	Detention Pond Sized for Water Quality		6.03	Whetstone Creek	N					
N	White City	4	Auburn Estates, Not Phase 1	Detention Pond Sized for Water Quality		0	Whetstone Creek	N					
N	White City	41	Stonefield Ranch PUD			0		N					

## **APPENDIX B**

### **Water Quality Data Collected During Illicit Discharge Monitoring**

## Rogue Valley Sewer Services Sampling Data Outfall Sampling in Phoenix, OR FY16

Date Collected	Sample ID	Air Temp (F°)	# TC positive	E. coli MPN	Geometric mean	TP (mg/L)	Average TP	Flow (cfs)
8/18/2015	Blank	103	N/A	0	0	0	0	
8/18/2015	Coleman 2	103	>2419.6	7.5	7.5	0.132	0.132	1.40E-06
8/18/2015	Coleman 5	103	>2419.6	16	16	1.49	1.49	1.17E-05
8/18/2015	Coleman 7	103	>2419.6	325.5	325.5	0.253	0.253	4.38E-05
8/27/2015	Blank	91	N/A	0	0.00	0	0	
8/27/2015	Payne 5	91	>2419.6	27.2	75.54	0.172	0.172	6.56E-04
8/27/2015	Payne 5 dup	91	>2419.6	209.8		No Data	#DIV/0!	6.56E-04

## Rogue Valley Sewer Services Sampling Data Stream Sampling in Phoenix, OR FY16

Site:	Date:	Flow (cfs)	E. Coli (MPN)	TP (mg/L)
Anderson DS	6/29/2015	0.78	1675.66	0.272
Anderson DS	7/6/2015	1.18	2047.66	0.146
Anderson DS	7/14/2015	0.73	2419.60	0.245
Anderson DS	7/20/2015	0.70	1046.20	0.154
Anderson DS	7/27/2015	0.84	531.96	0.130
Anderson DS	8/4/2015	2.49	667.48	0.107
Anderson DS	8/12/2015	1.12	649.02	0.101
Anderson DS	8/17/2015	0.62	1444.02	0.103
Anderson DS	8/26/2015	0.59	1444.02	0.106
Anderson DS	8/31/2015	0.40	707.48	0.094

Anderson US	6/29/2015	No Data	497.83	0.383
Anderson US	7/6/2015	1.26	2419.60	0.472
Anderson US	7/14/2015	No Data	2419.60	0.304
Anderson US	7/20/2015	0.73	1318.83	1.220
Anderson US	7/27/2015	1.73	816.40	0.122
Anderson US	8/4/2015	1.42	531.96	0.107
Anderson US	8/12/2015	1.00	921.64	0.103
Anderson US	8/17/2015	0.77	1855.28	0.107
Anderson US	8/26/2015	0.75	474.43	0.101
Anderson US	8/31/2015	0.69	531.70	0.091

Coleman DS	6/29/2015	0.36	1090.86	0.2495
Coleman DS	7/6/2015	1.35	991.15	0.1540
Coleman DS	7/13/2015	0.42	272.23	0.1465
Coleman DS	7/20/2015	1.36	488.35	0.1250
Coleman DS	7/27/2015	1.76	302.84	0.1320
Coleman DS	8/4/2015	1.64	282.96	0.1245
Coleman DS	8/12/2015	1.74	181.92	0.0962
Coleman DS	8/17/2015	2.08	686.79	0.1122
Coleman DS	8/26/2015	2.48	517.11	0.0999
Coleman DS	8/31/2015	0.88	319.19	0.0919

Coleman US	6/29/2015	1.40	613.10	0.348
Coleman US	7/6/2015	2.50	2192.27	0.146
Coleman US	7/13/2015	0.68	336.40	0.137
Coleman US	7/20/2015	0.12	1258.21	0.125
Coleman US	7/27/2015	0.56	315.43	0.118
Coleman US	8/4/2015	0.39	254.13	0.118
Coleman US	8/12/2015	0.79	231.98	0.089
Coleman US	8/17/2015	0.62	1052.62	0.108



Coleman US	8/26/2015	0.73	335.01	0.089
Coleman US	8/31/2015	1.68	563.22	0.092

Site:	Date:	Flow (cfs)	E. Coli (MPN)	TP (mg/L)
Payne DS	6/30/2015	0.80	828.62	0.238
Payne DS	7/6/2015	0.47	447.96	0.120
Payne DS	7/13/2015	0.52	344.87	0.148
Payne DS	7/20/2015	0.25	170.45	0.111
Payne DS	7/27/2015	0.28	179.44	0.113
Payne DS	8/5/2015	0.45	2419.60	0.176
Payne DS	8/12/2015	0.42	390.54	0.101
Payne DS	8/17/2015	0.33	1052.62	0.091
Payne DS	8/26/2015	0.84	772.93	0.127
Payne DS	8/31/2015	0.80	562.92	0.138
Payne US	6/30/2015	1.02	2419.60	0.247
Payne US	7/6/2015	0.60	2419.60	0.165
Payne US	7/13/2015	1.45	710.03	0.171
Payne US	7/20/2015	0.20	950.13	0.170
Payne US	7/27/2015	0.61	1732.90	0.194
Payne US	8/5/2015	1.47	2419.60	0.223
Payne US	8/12/2015	0.30	1160.85	0.153
Payne US	8/17/2015	0.31	410.60	0.126
Payne US	8/26/2015	0.32	1606.73	0.146
Payne US	8/31/2015	1.02	2419.60	0.277

## **APPENDIX C**

### **Annual Reports from Rogue Valley Sewer Services' Phase II Communities**



**Central Point NPDES Phase II Annual Report of  
Activities Aug. 23, 2016**

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 (RVS), 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**

No properties were annexed into the City limits last year.

**Construction Site Stormwater Control**

During FY 2016, the City of Central Point received 55 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 364 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 3 they inspect with the camera approximately 1.5 miles of mains and laterals and manholes. They determined that the system didn't need cleaning and did not rent the jetter truck. They will check the system again in 2 years.

**Public Pet Waste Disposal Stations**

The Parks Department had to remove one pet station in Don Jones Park by the water park due to improper use of the bags. The kids were using the bags for water balloons.

The parks department maintains a total number of 22 pet waste stations in the City. 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 16 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 another successful year of collections. 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 113 tons of leaves that would have gone down the drains and into the streams. (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 200 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**

This year we had 6 people attend training for Riparian maintenance, Low impact development , Greening Vacant Lots and the ACWA Stormwater Summit.

### **Education and Outreach**

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

#### Articles and Publications:

- Art. - 1; Dog Poop Disposal is Good for your Health Oct. 2015. This article gives facts on why dog poop should be picked up and disposed of in garbage can.
- Art. - 2; Storm Drain Provide an Important Community Service Oct. 2015. This article gives a brief explanation of City stormdrains and their purpose. It also gives a couple of tips on how to keep the system clean and clear.
- Art. - 3; Only Rain down the Drains Nov. 2015. This article explains where stormwater goes and how pollution that goes down the drains end up in the rivers, streams and oceans
- Art. - 4; Final Autumn Leaf Pick-up, December 2014. This article is a last reminder of annual leaf pick-up by Rogue Disposal, including dates of the pick-up.
- Art. - 5; Art. - 6; Fertilizer Impacts April 2016. This article explains what fertilizers do and how to read their labels and what impacts they have to our environment if not applied right.
- Art. - 6; Pick up after your dog: Be a good scooper, Aug. 2016. Explains health and sanitary issues of dog feces in our parks and why owner need to be accountable for their dogs left overs

#### Events:

- Scenic Middle School Salmon Watch, August 2015. 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 )
- Arbor Day Tree Planting, April 2016 – The City and 3 classes from Mae Richardson Elem. School planted 18 trees along Daisy Creek to help provide shade and cover for the stream. ODF&W gave a presentation on water quality and how it affects the fish to the students. (See Attachment K)
- The City has 2 Fish Friendly car wash kits to be used in fundraisers in Central Point. 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 L).

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 INFRASTRUCTURE MAINTAINED

Updated 8/20/2016

	<i>Acres</i>	<i>Sq. Miles</i>
CITY LIMITS	2,465.30	3.85
UGB	2,880.67	4.5

**Taxlots Annexed**

<i>Applicant</i>	<i>Resolution #</i>	<i>Maplot</i>	<i>Date</i>	<i>Acres</i>
None				

**Utilities**

	<i>ALL CITY</i>	<i>ONLY CITY</i>	
	<i>Ln. Ft./ Each</i>	<i>Ln. Ft./ Each</i>	<i>Miles</i>
WATERLINES 4 inch or bigger	529589	487005	92.2
AC WATERLINES		74464	14.1
* WATER METERS	6897	6897	
VALVES	2689		
FH'S	967	954	
ARV	215	215	
BLOW OFFS	97	97	
STORM DRAIN LINE	301727	260043	49.3
CATCH BASINS (CB)	575	387	
CURB INLETS (CI)	1475	1378	
LYNCH BASINS	58	25	
MANHOLES (MH)	783	699	
OUTFALLS	131	109	
STREETS		314042	59.5
<i>New Streets Added</i>	<i>Subdivision</i>	<i>Length</i>	

**Parks**

	<i>Acres</i>
Van Horn	2.09
Civic Fields	7.26
Twin Creeks Park	3.21
Griffin Oak Park	0.8
Summerfield Park	0.56
Joel Tanzi Skate Park	0.71
Community Park	1.6
Robert Pfaff Park	1.52
Mentee Park	0.46
Glengrove Wayside Park	0.25
Forest Glen Park	1.96
Flanagan Park	5.46
Don Jones Park	8.66
Cascade Meadows Park	0.23
William Mott Park	3.27
TOTAL	38.04

## City of Central Point

### NPDES Phase II Program Annual Report FY 2016

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	55 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.	364 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	0 Cu. Yds.	Dry Creek Landfill	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 3 they inspect with the camera approximately 1.5 miles of mains and laterals and manholes. They determined that the system didn't need cleaning and did not rent the jetter truck. They will check the system again in 2 years.
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. 22 Locations	Removed 1 pet waste stations due to wrong use of bags; 120,000 pet waste bags stocked	N/A	The City maintains 22 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.	25 Adopted street routes totaling 16 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	11/16/2015 & 12/11/2015	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	113 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 (200 gallons); ROW applications (1,442.5 gallons)	N/A	Applications are conducted in City Parks and in public right of way. Applications in the parks are done by City crews and contracted exterminators. In the public right of way the City crews spray these areas. 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	4 articles	N/A	Attachment Art. 1-4 includes copies of outreach materials for all stormwater quality education and outreach publications and events.4
Stormwater Quality Education/Outreach	Year round	Stormwater Management web page reviewed and updated.	<a href="http://www.centralpointoregon.gov/">http://www.centralpointoregon.gov/</a>	Single web page with multiple links	N/A	City website is up and material is currently being updated as needed.
Salmon Watch Program - Water Quality Module	10/22/2015	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	4/6/2016	Arbor Day - Planting trees Daisy Cr behind Cheney Loop.	Snowy Butte Station Ph 2 - Daisy Creek	108 - 5th Grade Students and teachers and 18 new trees	N/A	The City and 3 classes from Mae Richardson Elem.School planted 18 trees along Daisy Cr. to help provide shade and cover for the stream. ODF&W gave a presentation on water quality and how it affects the fish to the students. See Attachment K
Stormwater Quality Education/Outreach	June-Aug	Fish Friendly car wash kit	Fundraiser in Central Point	Diverting soapy waste water from the stormdrains.	Grassy or Rocky area or sewer inlet	There are two popular locations in Central Point, Rays Sentry Market and the Malot building parkinglot. See Attachment L
Stormwater Quality Education/Outreach	Year round	Staff Training	Different Location	8 Employees	N/A	Employees attended classes on Low Impact Development implementation, Riparian Maintenance Training and a Stormwater Summit educational and informative session that included a variety of subjects on stormwater.







## CITY OF TALENT • COMMUNITY DEVELOPMENT

PO Box 445, Talent, Oregon 97540

Phone: (541) 535-7401 Fax: (541) 535-7423 [www.cityoftalent.org](http://www.cityoftalent.org)

**TO:** Jennie Morgan, RVSS Stormwater Program Manager  
**FROM:** City of Talent, Community Development Department  
**DATE:** 19 August 2016  
**SUBJECT:** MS4 Annual Reporting for City of Talent

1. Information on all new additions or removals of annexed areas that result in an expansion or contraction of the MS4 boundaries  
**No change**
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)  
**273 Inspected, 103 cleaned; 5 SW filters, 13 storm drain outfalls, 372 curb inlets, 217 area drains according to 2007 GIS (We are in the process of updating these data)**
  - 2.2. Miles of stormwater pipe cleaned out of the total in the jurisdiction (could be a percent)  
**0.34 miles (contracted with RVSS)**
  - 2.3. Miles of street swept out of the total in the jurisdiction (could be a percent)  
**207.6 miles (17.3 miles, twice a month since 01-Jan-16)**
  - 2.4. Number of stormwater features maintained out of the total in the jurisdiction (could be a percent)  
**14 SW features (100% of public SW features *not* serviced by RVSS or privately owned)**
  - 2.5. Amounts of herbicide and pesticide applied within in the MS4 boundary by city or county  
**246 ounces**
  - 2.6. Number of new pet waste stations installed  
**1, Bear Creek Greenway (within city limits), near Suncrest Rd.**
  - 2.7. Number of doggy bags distributed through existing pet waste stations  
**50,000 bags**
  - 2.8. Amount of leaves collected and disposed of (if you have a fall leaf program)  
**145 Recology leaf bags sold (35 lbs capacity ea.); Leaf Drop event (12-Dec-15) at Talent Public Works yard collected 3.5 haul-away bins (dimensions: 4'x10'x10')**
  - 2.9. Staff Training related to the Stormwater program- provide number of staff, hours attended and type of training  
**5 city staff members participated in Riparian Maintenance training event, 28-Apr-16, event lasted ~3 hours**
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.  
**Exhibit A – Stormwater Infrastructure map, Exhibit B – Street Sweeping calculations, Exhibit C – Pesticide Application Report**

In compliance with the Americans with Disabilities Act, if you need special assistance, please contact TTY phone number 1-800-735-2900 for English and for Spanish please contact TTY phone number 1-800-735-3896.

*The City of Talent is an Equal Opportunity Provider*



**CITY OF TALENT + COMMUNITY DEVELOPMENT**

PO Box 445, Talent, Oregon 97540

Phone: (541) 535-7401 Fax: (541) 535-7423 [www.cityoftalent.org](http://www.cityoftalent.org)

4. In addition, please submit to RVSS a list of all stormwater management features maintained by your jurisdiction and their frequency of cleaning.

**Exhibit D – Stormwater management feature log**

If you have any questions, please feel free to email me at [zmoody@cityoftalent.org](mailto:zmoody@cityoftalent.org).

Sincerely,

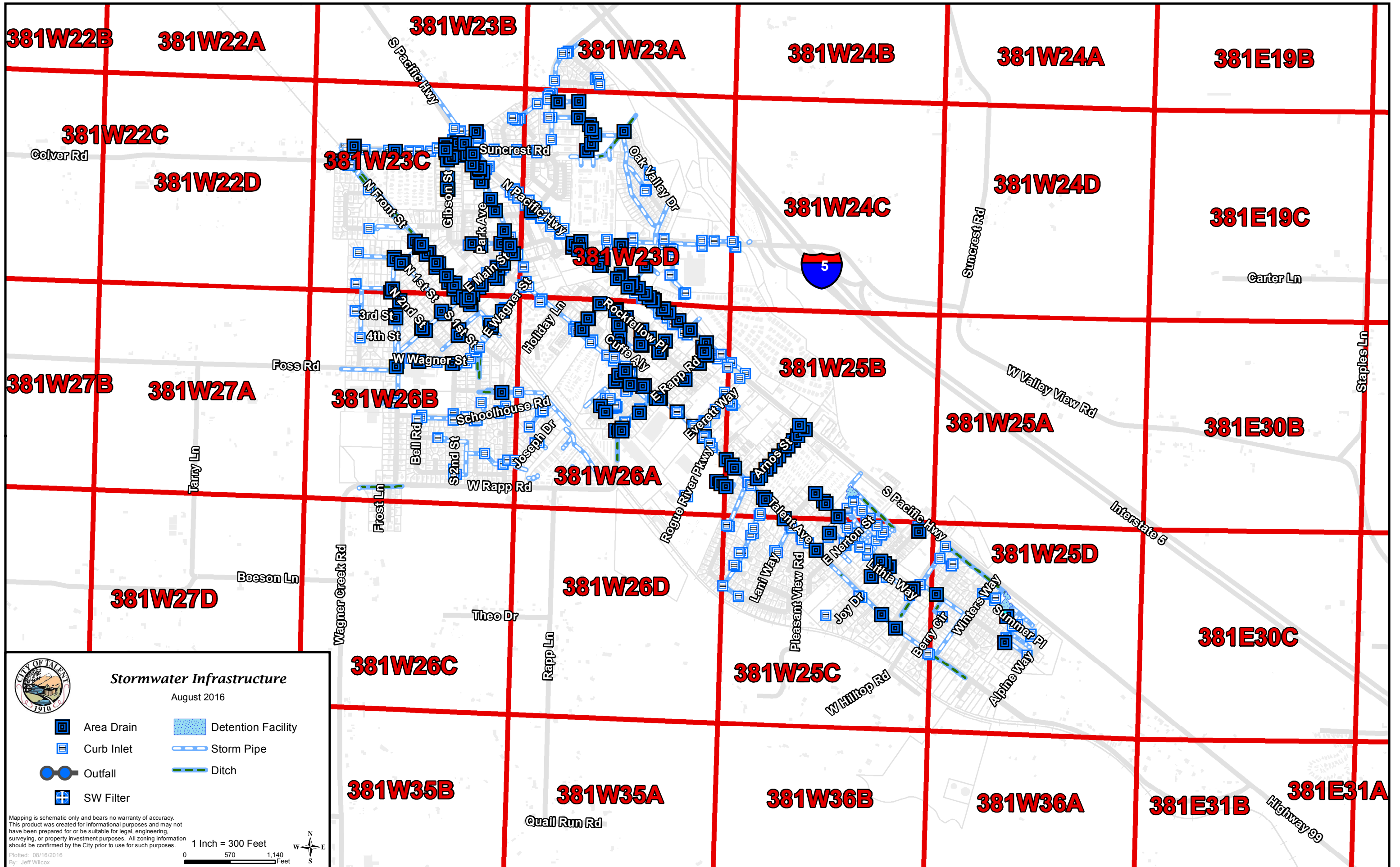
A handwritten signature in black ink, appearing to read "Zac Moody", written over a faint circular stamp.

Zac Moody  
Community Development Director  
City of Talent  
110 East Main Street  
PO Box 445  
Talent, Oregon 97540

Office: 541-535-7401 ext. 1014  
Fax: 541-535-7423

In compliance with the Americans with Disabilities Act, if you need special assistance, please contact TTY phone number 1-800-735-2900 for English and for Spanish please contact TTY phone number 1-800-735-3896.

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**JACKSON  
COUNTY**  
*Roads*

**MEMO**  
INTER - OFFICE

**Roads  
Engineering**

**Mike Kuntz**  
*County Engineer*

200 Antelope Road  
White City, OR 97503  
Phone: (541) 774-6228  
Fax: (541) 774-6295  
kuntzm@jacksoncounty.org

**Date:** August 30, 2016  
**To:** Jennie Morgan, RVSS Stormwater Program Manager  
**From:**  Mike Kuntz, County Engineer  
**Subject:** Annual MS4 Reporting Data

In response to your memorandum dated July 25, 2016 Jackson County offers the following data in support of the MS4 Annual Report. Please recall that within the last year Oregon DEQ said that Jackson County may use County-wide data in the MS4 Annual Report. The following data is County-wide and the numbering corresponds to the numbering used in your July 25, 2016 memorandum.

1. RVSS already has the expanded MS4 area boundary.
  - 2.1 to 2.5 Please see the attached Summary of Activities and Summary of Herbicide Usage.
  - 2.6 Four new pet waste stations were installed this year, bringing us to a total of 8 pet waste stations.
  - 2.7 8,000 doggy bags were distributed through new and existing pet waste stations.
  - 2.8 Jackson County does not have a leaf program.
  - 2.9 The following staff training occurred during this period:
    - 3 staff, herbicide applicator training, 20 hours
    - 3 staff, RVSS erosion control inspector training, 6 hours
    - 2 staff, Oldcastle stormwater solutions, 1 hour
    - 1 staff, Low impact development implementation, 4 hours
3. There are spreadsheets attached to the transmittal email that contain the daily work for each activity. If required, the timecards used to create this data can also be provided.
4. Jackson County does not currently have a list of stormwater management features.

Please feel free to contact me if you have any questions regarding this data.

### Exhibit 3

## TMDL Information Request 7/1/2015 - 6/30/2016

	UOM	Production	Total Resource Cost
Activity : LR0500 - Sweeping (649 items)	Miles	Sum = 2,233.77	\$ 205,426.94
Activity : LR2000 - Grader Ditching (545 items)	Miles	Sum = 27.80	\$ 93,029.26
Activity : LR2100 - Gradall Ditching (2516 items)	Miles	Sum = 44.70	\$ 412,576.54
Activity : LR2200 - Mechanical Culvert Cleaning (675 items)	Each	Sum = 27.00	\$ 23,617.06
mechanical = vaccon			
Activity : LR2300 - Manual Culvert Cleaning (641 items)	Each	Sum = 2,422.00	\$ 30,336.76
manual = shovel			
Activity : LR2500 - Install Culvert / Storm Drains (553 items)	Feet	Sum = 473.00	\$ 64,952.58
Activity : LR3300 - Noxious Weed Control on R/W (845 items)	Acres	Sum = 1,072.41	\$ 80,433.76
Activity : LR3400 - Other Vegetation Control (212 items)	Labor Hours	Sum = 6.20	\$ 26,690.51
Activity : LR3700 - Spot and Brush Roadside Spraying (722 Items)	Acres	Sum = 606.99	\$ 58,512.63
<b>Total</b>			\$ 995,576.04

## **APPENDIX D**

### **Annual Report from Rogue Valley Council of Governments**

# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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

### **Milestones and Report for Work Conducted July 1, 2015 – June 30, 2016**

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/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, schools, volunteer groups, and the public. In addition, RVCOG offers stormwater-related display materials, brochures, and exhibits, staffs the materials and exhibits at local events, gives stormwater presentations to the public, agencies, and interested groups as requested, coordinates and assists volunteers and volunteer organizations, implements programs including 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 2015-2016.

#### **Highlights:**

- Programs reached over 1,400 people.
- Over 550 brochures, stickers, and activities (e.g., word searches) were distributed.
- Continued the Salmon watch program for a third consecutive season. Conducted 14 Salmon Watch field days in the Bear Creek MS4 communities covered under the RVSS permit including 3 in the Talent/Phoenix School district, 8 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), Lomakatsi, and local schools.
- Leveraged funding for the continuation of the Salmon Watch program from the Jackson SWCD grant for Fall 2015 and Summer 2016 (SWCD Field Camp). The



# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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funding supported local education groups (OSU Extension and the Bear Creek Watershed Education Partners), schools for transportation funding, and contracted educators to conduct the programs. Contract educators including 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 2016. Continued support for the program was pledged by all Bear Creek MS4s, BCWEP, RVSS, OSU Extension, and the RRWC.
- 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. *360 people reached.*
- Completed a Water Quality Bike ride in Talent 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.

## Public Education and Outreach Program

### Task 1: School Age Public Education Meetings, Presentations, Events, and Activities

Date(s)	Organization(s)	Notes
Various. 6 meetings.	Bear Creek Watershed Education Partners (BCWEP)	Coordinated educational programs including Kids and Creeks, and Salmonwatch with the members of BCWEP by participating in monthly meetings and activities. Members of BCWEP provided event coordination, module instruction, and materials for Phase II Programs.
8/7/2015	Rogue River Watershed Council Education and Outreach Committee Meeting	Participated in the RRWC education committee to discuss projects that the RRWC is targeting for OWEB submittal in October. Projects include Stream Smart, Kids and Creeks, and a Watershed Steward Program involving volunteer monitoring. The programs support TMDL and Stormwater Programs.
9/14/2015	NOAA Fisheries	Met with NOAA Fisheries to discuss education and outreach resources that NOAA has related to water quality and Salmon. Received additional copies of the NOAA Salmon Brochure, new materials including stickers, and materials.
9/15/2015	OSU Extension, BCWEP, Jackson SWCD	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

## Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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		cycle/biology, riparian habitat, water quality, and macro invertebrates). <i>12 attendees.</i>
9/15/2015	RVCOG	Presented the water quality module and salmon biology overview at the Salmon Watch Teacher workshop in August. <i>12 attendees.</i>
9/16/2015	RRWC	Met with the RRWC to talk about programs including Stream Smart, Salmon Watch, Kids and Creeks, water quality monitoring, and other activities.
Fall 2015. September 24 <sup>th</sup> , 2015 through November 11 <sup>th</sup> , 2015. (Also includes the stats for the SWCD Field Camp held in June described later)	Salmon Watch Field Days	Conducted 14 Salmon Watch field days with 19 classes and 515 students in the Bear Creek MS4 communities covered under the RVSS permit including 3 in the Talent/Phoenix School district, 8 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. A copy of the 2016 Salmon Watch summary report is attached to this report. The report includes examples of activities, photos, and completed survey forms.
9/18/2015 and 9/25/2015	Scenic Middle School (Central Point)	Meetings with Alex Grover to discuss planning for Salmon Watch Classes for Scenic Middle School. The program was held with Alex's classes and also Jennifer Bones's students.
October 1 <sup>st</sup> through January 2016	Crater Renaissance Academy (Crater High school)	Completed a Renaissance Academy internship program with Crater High School with a senior science student. Programs and projects that the student worked on included Salmon Watch (inventorying kits, collating surveys, reviewing program materials) and Stormwater Programs.
10/3/16	Talent Harvest Festival	RVCOG provided stormwater educational materials ("Pollutants in a jar", brochures, doggie disposal bags) for the annual Talent Harvest Festival. While not a specific activity for TMDL or Stormwater, the booth provided information on programs including Stream Smart, Riparian Restoration, TMDL, and Stormwater. Materials were provided to the RVCOG booth and the City of Talent booth.
10/17/2015	Kids and Creeks Event Bear Creek Park- Multiple partners.	Staffed a booth at the 3rd Annual Kids and Creeks Event at Bear Creek Park and served as the north entrance station. The event featured activities related to salmon, stormwater, and water quality by a wide range of local groups including the Bear Creek Watershed Education Partners, the Rogue River Watershed Council, the Southern Oregon Monarch Association, Lomakatsi, Rogue Valley Sewer services, the Rogue Valley Council of Governments, and others. Our exhibit (RVCOG) featured stormwater and water quality. We were set up next to a storm drain with the stormwater pollutants

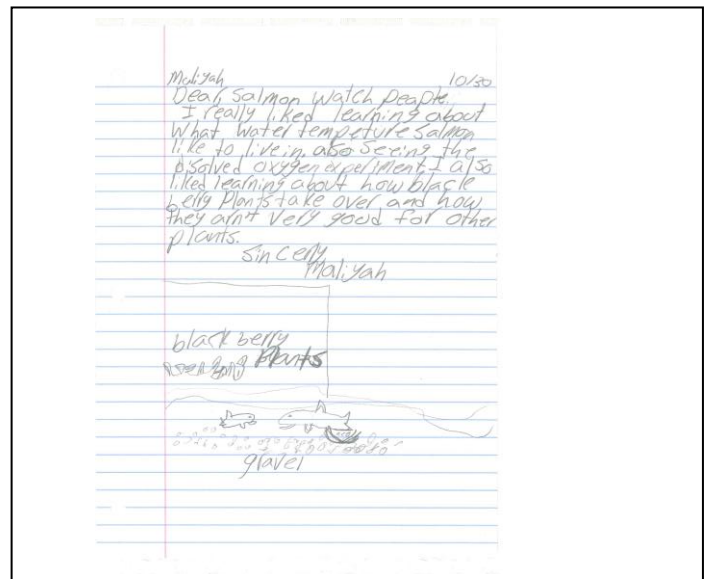
## Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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		<p>in a jar activity as our primary hands-on activity with mazes and word searches for younger visitors. 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>84 people stopped by our booth, with 42 people participating in activities the stormwater activity, and 46 brochures, stickers, and other materials (e.g., poop bag dispensers) were given out.</i></p>
4/2/2016	Oregon Stewardship	Worked with Oregon Stewardship which includes local students to restore and plant a bioswale.
4/5/2016	Jackson SWCD	Discussed the Salmon Watch Program and the future of programs and activities.
4/23/2016	Rogue Valley Earth Day Event	Staffed a booth at the annual Earth Day Event. Booth featured information on urban runoff and stormwater, low impact development, Stream Smart, and water quality. Exhibit also featured hands on activities - stormwater pollutants in a jar, mazes, and word searches. <i>204 people visited our booth with 87 people participating in activities and 102 brochures and other materials were given out.</i>
June 21 <sup>st</sup> , 2016	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>40 attendees.</i>

# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

## Activity Photos (School Age Public Education)



# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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## Task 2: Adult Public Education and Outreach

Date(s)	Organization/ Program	Notes
7/15/2015	Jackson Soil and Water Conservation District (SWCD)	Presented a summary of the accomplishments of the 2014 Salmonwatch program to the SWCD Board. <i>14 attendees.</i>
8/4/2015	SWCD	Annual meeting with Jackson SWCD to discuss programs including education and outreach (Salmonwatch, Kids and Creeks, Summer Camp).
10/3/16	Talent Harvest Festival	RVCOG provided stormwater educational materials ("Pollutants in a jar", brochures, doggie disposal bags) for the annual Talent Harvest Festival. While not a specific activity for TMDL or Stormwater, the booth provided information on programs including Stream Smart, Riparian Restoration, TMDL, and Stormwater. Materials were provided to the RVCOG booth and the City of Talent booth. Event provides both adult and school age education and outreach.
1/1/2016	Bear Creek Watershed Working Group Meeting	Talked about the Stream Smart Program (Presentation by RRWC and RVSS) with additional information provided RVCOG.
4/16/2016	Annual Land Steward Workshop	Staffed a booth at the Annual O.S.U. Extension 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), the Stream and Wetland Enhancement Guide, Taking Care of Streams in Jackson and Josephine County, Garden Worthy Native Trees and Shrubs, Native Plants, how people can help at home, and tie-ins to the Stream Smart website. <i>72 attendees.</i>
4/23/2016	Rogue Valley Earth Day Event	Staffed a booth at the annual Earth Day Event. Booth featured information on urban runoff and stormwater, low impact development, Stream Smart, and water quality. Exhibit also featured hands on activities - stormwater pollutants in a jar, mazes, and word searches. <i>204 people visited our booth with 87 people participating in activities and 102 brochures and other materials were given out.</i>
4/28/16	Riparian Maintenance Training	Riparian Maintenance Training. Worked with RVSS and other members of the Stream Smart Advisory committee to develop, advertise, and implement a workshop focusing on riparian maintenance concerns. Workshop attendees represented City, County, and Agency staff including planners and maintenance staff.

# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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## Other tasks completed:

- Completed and submitted an application for additional funding for the Salmonwatch program. Funding was granted in mid-July. Support from the Phase II programs allows for the program to be fully implemented and for RVCOG to administer the program and help coordinate the program.
- Coordinated in and/or participated in activities between the TMDL programs and the MS4 programs including the Regional TMDL project which resulted in the development and purchase of 4 signs several of which address LIDs that help manage stormwater.
- Participated in the Rogue Basin Partnership which is a collaborative of agencies and entities partnering to implement an action plan to conserve and restore the Rogue Basin. A portion of the plan is dedicated to stormwater and urban runoff impacts. A stormwater working group is being formed to address regional issues throughout the watershed.
- Established geocache locations in Central Point as the first two in a series of educational locations highlighting stormwater, restoration, water quality, Stream Smart signage and other water quality related features. The first geocache (GC6BXGD - 13 visits) is located at a stormwater treatment device (Filterra Unit) and the second (GC6C28T - 7 visits) is located in Flanagan Park which has a rain garden, a local creek (Griffin Creek) and other features.
- Worked with the Rogue Basin partnership on a letter of intent to the Meyer Memorial trust to secure funding for education programs including Salmon Watch, Events (e.g., Kids and Creeks), Creek Clean-ups, and other elements in Jackson, Josephine, and Curry Counties.
- Completed and submitted an EPA Urban Waters grant focusing in developing a stormwater management plan using the new LID manual at the Rogue Valley Mall. In addition to the plan, the project would also have incorporated educational elements inside the mall and outside (Salmonwatch, education Symposium).
- Worked with the OSU Land Steward Program to coordinate volunteers from the program with ongoing regional projects and activities.
- Salmonwatch - Worked with local schools to conduct before and after surveys with 3 Salmon Watch classes. Schools in Medford and Central Point completed the surveys.
- Salmonwatch - Completed a detailed report for the Salmon Watch program activities for the Fall of 2015 and summer of 2016 (attached).
- Worked with Crater Renaissance Academy for some in class presentations and field trips related to water quality, dam removals, and urban runoff.
- Continued to update riparian page to provide information for riparian landowners ([http://rvcog.org/MN.asp?pg=NR\\_Riparian\\_Planting](http://rvcog.org/MN.asp?pg=NR_Riparian_Planting)). Completed a plant list with a focus on natives for pollinators for distribution at events.
- 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

# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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- or replenished brochures as needed. Overall, 336 brochures stickers, and activities (e.g., word searches), were distributed during the plan year.
- Updated and added materials (posters, activities, brochures, stickers, etc.) for use at events throughout the year. Updates include pollinator plant lists, local nursery information, materials to streamside landowners, fish stickers, salmon brochures, informational signs, and highlighting 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

Continued research on what fleets are doing for washing, where alternatives are available (including what local stores might have alternatives), how to increase awareness of alternatives available for fleets and how to tie in using alternatives or other methods (e.g. holding a car wash using the car wash kit) at a local police or fire station to increase public awareness. Most of the information is for homeowners, or for truck washing for fleets that don't wash their vehicles as often as public safety fleets (police and fire), or aren't available in this local area. There are mobile operations that operate in Oregon, waterless car washes, and environmentally friendly soaps that could be utilized for fleets. Identified needs for trying alternatives (specifically waterless car washes and soap alternatives for those who use more than just water) include locations of where the materials are available locally or samples to try out.

The fleet washing survey was revised updated for use in the program.


# Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

**Fleet Washing Survey**

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**Part A: General Information**

1. Station Name \_\_\_\_\_ Date \_\_\_\_\_
2. Where is your station located?
  - City (please list) \_\_\_\_\_ or County \_\_\_\_\_
3. Type of Fleet
  - Police Fire Other \_\_\_\_\_
4. Approximate Number of Vehicles
  - <5 6-10 >10



**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? Monthly weekly daily other \_\_\_\_
3. Do you have any special facilities on site/wash areas? Y/N
  - If Yes, please describe \_\_\_\_\_
4. Do you use any of the following (mark all that apply):
  - Biodegradable Soap/Alternatives (including no soap)
  - Waterless Products
  - Recirculating Systems
  - Car Wash Kits/Storm Drain Inserts
  - Other \_\_\_\_\_

**Part C: Other Information**

1. Does your station have storm drains? Y/N
2. Are the storm drains at your stations marked? Y/N
3. Does your station have public access/tours/visitation? Y/N
4. What limits your use of alternatives/features/etc?  
\_\_\_\_\_  
\_\_\_\_\_
5. Would you be interested in additional activities or more information? Y/N
  - Wash a firetruck/police car with students/public groups and the car wash kit
  - Additional information or presentations
  - Site visit with local stormwater representatives
  - Informational signs
  - Other \_\_\_\_\_

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## Task 2: Public Involvement Event

For the public involvement event, we organized a second Water Quality Bike Ride around the City of Talent with Rogue Valley Sewer Services and the Siskiyou Velo Bike Club. Along the route, participants were shown low impact development strategies, best management practices, and other techniques that improve the quality of urban runoff coming from streets, parking lots, driveways, businesses, and rooftops. At the stops,



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RVSS and RVCOG discussed what the riders were seeing and how the features helped manage urban runoff by improving water quality and reducing flooding.

The ride was advertised in the community (local and online bulletin boards), through emails, partners, through the Mail Tribune, 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.*



## Task 3: Stormwater Advisory Team (SWAT)

RVCOG attended all quarterly SWAT meetings in 2015-2016, and additionally scheduled meetings. RVCOG reviewed and provided comments on documents, the draft general permit, 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
- 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
- Rogue Basin Partnership
- 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

## Stormwater Activities Report 2015 – 2016: Public Education and Outreach, and Public Involvement and Participation

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- Lomakatsi Restoration Council
- North Mountain Park Nature Center
- ScienceWorks
- The Nature Conservancy
- Southern Oregon Education Service District
- Jackson Soil and Water Conservation District
- Bureau of Land Management
- Southern Oregon Land Conservancy
- Scenic Middle School

### Distribute News Releases:

- Water Quality and Stormwater Interview with Channel 10 on 11/13/15 - Interview with Channel 10 talking about the forecasted rain and wet weather issues including urban runoff, stormwater management, swales, underground treatment structures, and swale function.
- Flooding News Story Channel 10 on 12/18/15 - Interview with Channel 10 regarding flooding and water quality. Talked about erosion, urban runoff, and other topics. Referred the reporter to the NWS, so a bulk of the report ended up being on weather, rain on snow, and flooding.