



ANNUAL NPDES PHASE II REPORT FOR FISCAL YEAR 2017

FOR THE COMMUNITIES OF:

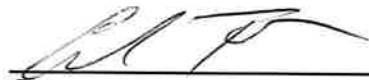


ROGUE VALLEY SEWER SERVICES

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

**Certification regarding Rogue Valley Sewer Services
National Pollutant Discharge Elimination System
Municipal Separate Storm Sewer System Annual Report**

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



Carl Tappert
General Manager

10/19/2017
Date

CONTENTS

NPDES PHASE II PERMIT BACKGROUND	2
SCHEDULE B, 2.0 ANNUAL REPORTING REQUIREMENTS	2
B.2.a Status of Compliance with Permit Conditions	2
B.2.b Information Collected and Analyzed.....	3
B.2.c Major Goals for FY16	3
B.2.d Changes to the SWMP.....	4
B.2.e Annexations	4
B.2.f Reliance on Other Government Entities.....	4
B.2.g Number and Nature of Enforcement Actions.....	4
1200C and 1200CN PERMITS	5
3.0 CONCLUSION	5
PROGRAM-AT-A-GLANCE	6

APPENDICES

- APPENDIX A: Documentation of Rogue Valley Sewer Services NPDES Phase II Activities
- APPENDIX B: Water Quality Data Collected During Illicit Discharge Monitoring
- APPENDIX C: Annual Reports from Rogue Valley Sewer Services' Phase II Communities
- APPENDIX D: Annual Report from Rogue Valley Council of Governments

ANNUAL REPORT

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

FISCAL YEAR 2017

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 National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) 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 to the Oregon Department of Environmental Quality (DEQ) 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 2017, 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.

Progress of Note for Fiscal Year 2017:

- RVSS initiated creation of a Working Group to adapt and adopt the Western Oregon Low Impact Development Guide. To increase acceptance of the guide and its concepts, RVSS invited private engineers, landscape architects, municipal engineers, public work supervisors, public citizens, and municipal engineers and stormwater managers to participate in the working group. The Working Group has met monthly for the past years. This is a very large effort and has consumed a lot of RVSS' time through meeting organization and management, tracking and incorporation of all comments received into the guidance document, and follow-up research.
- Participation in the Middle Rogue Pesticide Stewardship Partnership program. RVSS assisted Jackson Soil and Water Conservation District in identifying strategic sample sites and collecting samples for the (PSP).
- Continued to serve on DEQ's Municipal Advisory Committee for renewal of the Phase II permit.
- As a result of the improved economy, building has increased dramatically in the Rogue Valley, resulting in a significant increase in the number of stormwater management plans submitted to RVSS for review and approval.
- Conducting outfall sampling and creek monitoring along Wagner Creek in Talent, OR.
- Chaired the Stormwater Advisory Team and oversaw updates to the Rogue Valley Stormwater Design Manual that updated the performance, destination and flow control standards.

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 FY17 sampling was conducted along Wagner Creek in Talent and East Phoenix Canal. 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 FY17 both instream and outfall samples were analyzed for *E. coli*. Appendix B contains water quality data collected during outfall and stream sampling events.

B.2.c Major Goals for FY18

- Continue to implement the on-going activities outlined in the Stormwater Management Program Plan.
- Continue the dry-season illicit discharge monitoring program aimed at identifying hotspots.
- Develop an Adopt-a-Swale program to pilot in the City of Talent.
- Lead coordination and implementation of the Salmon Watch program for the Rogue Valley and incorporate an in-class session to be taught by RVSS staff prior to field days.
- Continue leading the LID Working Group with the goal of adopting new guidance in FY 18.

- RVSS has initiated updating of the regional Stormwater Brochures to keep the materials current and attractive, to encourage use.
- Participate in the ORACWA IDDE outreach materials committee, to help produce outreach materials on IDDE topics.

B.2.d Changes to the SWMP

No changes to the BMPs or measurable goals outlined in the 2004 SWMP were undertaken in FY17. 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 FY17.

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. 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. Conducting FOG inspections is pertinent to the Stormwater Program as proper maintenance of grease interceptors helps to prevent clogging and subsequent overflows of sanitary sewer lines to the stormwater system. The number and nature of enforcement actions in FY17 were:

- Construction related enforcement actions are listed under the 1200C and CN section below.
- A civil fine of \$990 was issued to Perfection Pools of Eagle Point, May 28th, 2017 for willful discharge of hydro-excavation material into the stormwater system, which was flowing into Mingus Creek. At the writing of this report the fine had not been paid and had been forwarded to General Collection.
- Notices were issued to 64 Food Service Establishments (FSEs) in FY17 for Non-Compliance with RVSS' FOG policy; 33 FSEs corrected violations (some from previous years) within FY17. Notification to the FSE begins with a site visit and inspection of the grease interceptor, education on how to maintain the grease

interceptor and properly dispose of the grease. FSEs in non-compliance 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 10 1200CN permits were issued in FY17. In addition, six 1200CN permits were renewed and three were terminated. See Appendix A, Section 5.0 for a list of current and terminated 1200C and 1200CN permits in FY17. 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 FY17 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 FY17:

- RVSS issued 14 Brown Tags and two Notices of Non-Compliance for violation of erosion prevention and sediment control rules at construction sites within the MS4 boundary.
 - A Notice of Non-compliance was issued to Ames Construction for discharge of material in a catch basin.
 - A \$250 fine was issued to Bob Fellows Construction, LLC November 3rd, 2016 for failure to install and maintain erosion prevention and sediment control Best Management Practices.
- 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” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
1.0 Fiscal Analysis	Secure the financial resources	RVSS Manager	Stormwater Utility Fee to cover RVSS efforts to manage NPDES program.	Provide Stormwater Utility Fund revenues and expenditures in each Annual Report. Level 1 – meets funding requirement Level 2 – funds allow changes to happen through program Level 3 – program changes behavior	Yes/Levels 1,2,3	FY17 – Revenues and expenses for SW Utility Fund: Total revenues of \$475,546 compared to expenses of \$285,794. Does not include staff time & expenditures by Phase II Communities. FY18 – Adopted budget includes revenues and expenses for SW Utility Fund. Total projected revenues of \$446,500 compared to anticipated expenses of \$669,600. Does not include staff time and other expenditures provided by RVSS Phase II Communities.
2.1 Public Education	Develop a SW Education and Outreach Strategy (2.3.1)	Stormwater Advisory Team (SWAT), including the Cities of Medford and Ashland	Develop 5 year Strategy.	SWAT to meet at least quarterly to determine the effectiveness of program. Make any changes when needed. Level 1 – conduct and document meetings Level 2 – raise Phase II communities’ awareness of program Level 3 – RVSS Phase II communities changed behaviors by developing a SWQ Strategy, changed behaviors in entire watershed by continuing SWAT meetings to get consensus, using Design Manual and having other non-Phase II cities asking about our program. Many of these cities are considering adopting portions of the SWQ Program.	Yes/Levels 1,2,3	FY17 – Quarterly SWAT meetings were held this year at which updates to the Rogue Valley Stormwater Design Manual were discussed and approved. In addition, RVSS has been participating in the regional Stream Smart committee which this year organized a presentation for the Southern OR Realtors Association on things to know when purchasing property. RVSS presented on topics related to stormwater. FY18 – Continue quarterly SWAT and Stream Smart committee meetings to continue to discuss SW issues. RVSS is also exploring partnerships with the Rogue Drinking Water Providers and the Pesticide Stewardship Partnership (PSP) for the purposes of education and outreach to the public on water quality issues.
2.2 Public Education	SW Brochure for the General Public (2.3.2)	RVSS Stormwater Program Coordinator	Develop Stormwater Brochure for regional cities.	Development and distribution of SWQ Brochure and discuss SWQ issues in RVSS Newsletter. Make any changes when needed. Level 1 – develop & document brochures, newsletters and news/magazine articles Level 2 – change attitudes, knowledge & awareness Level 3 – change behaviors	Yes/Levels 1,2,3	FY17 – <ul style="list-style-type: none"> Approximately 789 brochures, stickers and activities were printed and distributed within RVSS Phase II Communities. RVSS discussed the Pesticide Stewardship Partnership in a newsletter to its customers. Central Point issued five newsletters with articles related to stormwater to households within the city boundaries. FY18 – RVSS has initiated updating the general SW brochure for the Rogue Valley and will continue to update and distribute brochures, and issue newsletters when possible.
2.3 Public Education	Targeted SW Brochures (2.3.3)	RVSS Stormwater Program Coordinator in coordination with RVCOG	Determine targeted groups through SWAT. Develop brochures for erosion control (see Section 5.6) and targeted brochures for homeowners describing development requirements. 	Develop an erosion control brochure and include in all building permits by Year 3. SWAT agreed to create brochures for additional targeted groups. Level 1 – document brochures produced Level 2 – raise Phase II communities’ awareness of program Level 3 – RVSS Phase II communities change behaviors with targeted brochures, building permits, letters and presentations	Yes/Levels 1,2,3	FY17 – RVSS and RVCOG distributed the following brochures that include hotline numbers within the RVSS Phase II Communities: <ul style="list-style-type: none"> Stormwater Management Erosion and Sediment Prevention Stream and Wetland Enhancement Guide Taking care of streams in Jackson County Painting Without Polluting Creeks and Concrete Don’t Mix Oil and Stormwater Yard Card at Home RVSS talked with, as well as sent letters and brochures to residents and contractors as needed. FY18 – Continue to update and distribute brochures.

Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
2.4 Public Education	Storm Drain Stenciling (2.3.4)	RVSS will coordinate efforts with RVSS Phase II Communities	RVSS will ensure the development of a program for storm drain inlet stenciling, inspections, and maintenance. Require all new developments to mark storm drains for no dumping.	<ul style="list-style-type: none"> Develop program to complete by end of permit term using staff and volunteers by stenciling 20% each year. Contact volunteer organization(s); provide locations and materials for marking catch basins. Develop ordinance requiring storm drains to be marked when constructed. Check drains to ensure all are marked at end of permit period. <p>Level 1 – document number of markers installed and develop ordinance Level 2 – raise Phase II communities’ awareness not to dump in storm drain Level 3 – Phase II communities adopt maintenance plan for markers</p>	Yes/Levels 1,2,3	This BMP has been completed. RVSS Phase II communities, and Medford and Ashland have developed ordinances and/or are conditioning projects to require new developments to mark drains. All storm drains existing within RVSS’ MS4 boundary at the time of permit issuance were marked by 2011. RVSS Phase II communities will maintain storm drain markers; any missing or damaged markers will be replaced.
2.5 Public Education	Promote Water Quality Education with School Districts (2.3.5)	RVSS Stormwater Program Coordinator will coordinate and promote through SWAT.	Work with local organizations and school districts to develop a water quality education program. Use Rogue Valley Regional NPDES Phase II Stormwater Program Guide.	<p>Contact all school districts within the Phase II boundary. Goals will be based on approach chosen to assist educators.</p> <p>Level 1 – conduct & document activities Level 2 – raise Phase II communities’ awareness of program/pollutants Level 3 – documentation of increased awareness</p>	Yes/Levels 1,2,3 Pre and post-tests showed 105% increase in knowledge from Salmon Watch classes.	<p>FY17 –</p> <ul style="list-style-type: none"> With our partners, conducted 22 Salmon Watch field days in the MS4 communities covered under the RVSS permit including 2 in the Talent/Phoenix School District, 8 in Central Point, 1 for schools that have county wide enrollment (Jackson County). <p>FY18 – RVSS is bringing back an in-class program that aims to educate about and connect students with stormwater management features on school campuses.</p>
2.6 Public Education	Work with Volunteer Groups on SW Education Projects (2.3.6)	RVSS Stormwater Program Coordinator	RVSS will work with volunteer groups in the Phase II communities to discuss opportunities for education projects.	<p>Assist volunteer groups contacting SWAT.</p> <p>Contact at least 5 volunteer organizations to discuss and promote SWQ education.</p> <p>Same as 2.5.</p>	Yes/Levels 1,2	<p>FY17 –RVSS continued to serve on the board of the local watershed council until 12-31-16 and supports and coordinates with the council on all stormwater related public education activities.</p> <p>FY18 – 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>



Salmon Watch Program Falls 2015/16


Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
2.7 Public Education	Develop a SW Speakers Bureau (2.3.7)	SWAT Members	Stormwater Presentation in the RVSS Phase II Communities.	Keep records of stormwater presentations including number of attendees or number of times program was presented. Same as 2.5.	Yes/Levels 1,2	FY17 – RVSS chaired the Bear Creek Working Group through Decembers 31 st , 2017 and organized monthly presentations on watershed and water quality related topics. <ul style="list-style-type: none"> RVSS continued to serve as co-chair of the Oregon Association of Clean Water Agencies and helped organize and facilitate ACWA’s annual Stormwater Summit attended by 135 engineers, environmental and municipal professionals from around the state. FY18 – <ul style="list-style-type: none"> Rotate leadership of SWAT meetings between RVSS, Medford & Ashland. Continue to give stormwater quality presentations as needed and requested.
2.8 Public Education	Create SW Public Service Announcements (PSAs) (Optional 2.3.8)	None assigned	PSAs.	Not required, but will record any that occur each year. Same as 2.2.	Yes/Levels 1,2,3	FY17 – RVSS mailed a newsletter to all of its customers that included an article on the Pesticide Stewardship Partnership. FY18 – Look for opportunities to send out news releases, newsletters or other PSAs with articles on the Phase II program and 1200C Permit.
2.9 Public Education	Design a SW Display (2.3.9)	RVSS Stormwater Program Coordinator	Develop displays on stormwater education and exhibit them.	RVCOG and Cities have displays of SWQ materials. Same as 2.2.	Yes/Levels 1,2,3	FY17 – RVSS staffed stormwater displays at the Talent Harvest and helped to coordinate the Kids and Creeks events in October, which unfortunately was cancelled due to intense storms. <ul style="list-style-type: none"> Partnered with RVCOG to create materials for a Stream Smart kiosk inside the RV mall that was on display for one year. Specifically, RVSS provided Spanish translation of pledge cards. RVCOG staffed booths at these events as well as the Annual Earth Day festival. FY18 – Continue displays and demonstrate educational model at community events.
2.10 Public Education	Create SW Website (2.3.10)	RVSS Stormwater Program Coordinator	Coordinate with other Phase II Cities to include information on SWQ on web pages.	RVSS to improve website in FY09 with links to SWQ information for Phase II communities and include 1200C permit information. Hotline numbers seem to be working as RVSS receives more calls for stormwater violations. Same as 2.2.	Yes/Levels 1,2,3	FY17 –RVSS helped to maintain the Stream Smart Facebook page and kept its own website up to date with stormwater related happenings. The Stream Smart FB page reached an average of 15 people per day. There were a total of 2,792 hits to RVSS’ SW pages with 44% accessing the stormwater documents page that contains the Rogue Valley Stormwater Design Manual. FY18 – 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 launch its own Facebook page.
3.1 Public Involvement	Public Review /Public Meetings (3.3.1)	RVSS Stormwater Program Coordinator	Encourage public involvement and participation in stormwater quality activities.	Hold at least one public meeting and publish two public notices on stormwater related issues yearly. Same as 2.1 & 2.2.	Yes/Levels 1,2,3	FY17 – <ul style="list-style-type: none"> Quarterly Stormwater Advisory Team meetings are open to the public. RVSS has initiated a Working Group to adapt and adopt the Low Impact Development Guidance Manual for Western Oregon, which includes members of the public. FY18 – Continue to participate in public meetings, publish SWAT meeting notices on RVSS website and FB.
3.2 Public Involvement	Distribute News Releases (3.3.2)	RVSS Manager	Issue news articles on stormwater quality related issues.	Issue news release story on Stormwater. Same as 2.1 & 2.2. RVSS’ program recognized by EPA.	Yes/Levels 1,2,3	FY17 – Same as 2.8 above. FY18 – RVSS expects to issue a newsletter explaining the renewed Phase II program, when that occurs.
3.3 Public Involvement	SW Advisory Team (3.3.3)	SWAT Members	Stormwater advisory panel consisting of key staff from each Phase II community to coordinate regional efforts.	Dates and attendance records of quarterly meetings including topics discussed and key decisions. Same as 2.2.	Yes/Levels 1,2,3	FY17 – Meetings were held 7/20/16, 10/19/16, 1/18/17 and 4/13/17 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, Rogue River Keepers, Josephine County and several private engineering firms. Primary discussion focused on updating the Rogue Valley Stormwater Design Manual to include a requirement for oil and grease removal in high traffic areas. FY18 – 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.

Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
4.1 Illicit Discharge Program	Storm Sewer System Map (4.3.1)	RVSS Manager	Create a storm sewer system map showing all known storm drain outfalls to receiving water. Adaptive Management – Expand maps as funds available to include catch basins and areas protected by SWQ features.	Map and field – verify the location of all known storm drain outfalls to receiving waters. Adaptive Management – Expand storm system maps in all Phase II Community areas to include catch basins and protected areas. Update as funds are available. Level 1 – develop stormwater facility maps, document number of stormwater facilities, and material removed Level 2 – raise Phase II communities’ awareness by using maps for education Level 3 – implement inspection and maintenance schedule	Yes/Levels 1,2,3,	RVSS Phase II Communities have met this measurable goal. RVSS Phase II communities will continue to update storm sewer maps when funds are available. Jackson County has many areas that do not have underground pipes but road side ditches. RVSS will continue to document the locations of newly installed stormwater quality features and will update its maps accordingly.
4.2 Illicit Discharge Program	Ordinance to Prohibit Non-SW Discharge (4.3.2)	RVSS Manager	Develop and adopt Stormwater Ordinance to prohibit non-stormwater discharges.	Adopt ordinance and continue to monitor for any revisions needed to prohibit Non-Stormwater discharges. Level 1 – adopted ordinance Level 2 – raise Phase II communities’ awareness when responding to questions about the ordinance Level 3 – Behavior change or BMP implementation when ordinance is enforced	Yes/Levels 1,2,3	This BMP has been completed. RVSS continues to implement RVSS’ Stormwater Ordinance through education, notices, stop work orders and monetary penalties for illicit discharges.
4.3 Illicit Discharge Program	Detect and Address Non-SW Discharge (4.3.3)	RVSS Stormwater Program Coordinator	Develop Illicit discharge plan per Regional Guide and include in Ordinance. Jackson County, Talent and Central Point have no formal illicit detection plan.	Develop and implement Illicit Discharge Program including the following: <ul style="list-style-type: none"> • Identify priority areas • Field assessment activities • Routine schedule of inspections • Characterize discharges found • Procedures to trace discharge • Procedures to remove discharge Level 1 – Illicit Discharge Plan and FOG Plan developed Level 2 – Plan allows changes to happen Level 3 – Program changes behavior	Yes/Levels 1,2,3	FY17 – <ul style="list-style-type: none"> • RVSS developed an IDDE plan, including a DEQ approved QAPP, in 2013. This year outfalls along Wagner Creek and Phoenix Canal were investigated, see Appendix B for data. • 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, which helps to prevent sewer overflows to the stormwater system. As documented in the RVSS Fats, Oils and Grease Inspection Program Overview, in Appendix A 181 inspections of FSE’s were carried out from which 64 violations were found. 33 violations were corrected within the year (some violations were from prior years). FY18 – Continue to implement FOG, Spill Response and IDDE Programs with revisions as needed for RVSS Phase II Communities. Work with RVCOG, cities and county to better utilize their employees for inspection and documentation.
4.4 Illicit Discharge Program	Conduct Field Inspection (4.3.4)	RVSS Stormwater Program Coordinator	Conduct field inspections in accordance with Illicit Discharge Plan in 4.3.	Inspect each outfall on a three-year rotation and take appropriate action when illicit discharge is found. Level 1 – document inspections Level 2 – raise Phase II communities’ awareness about the storm system Level 3 – require cleanup of discharge Level 4 – pollutants reduced with IDDE monitoring plan	Yes/Levels 1,2,3,4	FY17 – Investigation of outfalls to Wagner Creek were conducted during dry weather. Flowing outfalls were sampled and analyzed for <i>E. coli</i> . Eight flowing outfalls were found only one of which exceeded the single sample standard (406 cfu) for <i>E. coli</i> , see Appendix B for data. A source for the <i>E. coli</i> was not found. FY18 – 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.

Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
4.5 Illicit Discharge Program	Spill Response Plan (4.3.5)	RVSS Manager	Develop, implement and enforce a spill response plan.	Adopt Regional Spill Response Plan. Level 1 – document inspections Level 2 – raise Phase II communities’ awareness not to dump in storm drain Level 3 – require cleanup of discharges Level 4 – pollutants reduced with stormwater quality features	Yes/Levels 1,2,3,4	FY17 – <ul style="list-style-type: none"> RVSS has developed and implemented a spill response plan. Nine illicit discharges were either reported to or found by RVSS. RVSS either cleaned up the discharges or required the property owners to conduct clean-up. Full details are provided in Appendix A. Only one monetary fine was assessed in the form of cost recovery to RVSS as a result of the responsible party being unwilling/unable to perform clean-up. FY18 – Continue to implement spill response plan and continue to respond to hotline calls for spills.
4.6 Illicit Discharge Program	Plan for Enforcement Actions (4.3.6)	RVSS Manager	Develop or revise current ordinance to prohibit illicit discharges, including addressing enforcement actions and spill responses.	Adopt and implement ordinance for illicit discharges. Same as 4.5. 	Yes/Levels 1,2,3	RVSS Phase II Communities have met this measurable goal. RVSS will continue to implement and enforce the ordinance including issuing fines when pollutants enter the stormwater system and responding to hotline calls.
4.7 Illicit Discharge Program	Train Municipal Staff on Spill and Illicit Discharge BMPs (4.3.7)	RVSS Manager	Train municipal staff on proper BMPs and illicit discharge detection and removal. Train any new staff.	Record number of hours of training for staff Same as 4.5.	Yes/Levels 1,2,3	FY17 – All new staff go through an orientation with RVSS on the stormwater management program and the importance of being observant and reporting illicit discharges to the stormwater system.



Outfall on Wagner Creek




Erosion of Wagner Creek stream bank.

Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
5.1 Construction Site Program	Adopt an Erosion and Sediment Control Ordinance (5.3.1)	RVSS Manager	Adopt ESC Ordinance in 4.2 that will include requirements for projects disturbing at least 1 acre.	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.
5.2 Construction Site Program	Train Plan Reviewers and Field Inspectors (5.3.2)	RVSS Stormwater Program Coordinator	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%.	FY17 – All RVSS employees that review plans or perform Erosion Prevention and Sediment Control inspections are trained and/or certified as CESCLs. FY18 –Continue education of contractors, engineers and municipal staff.
5.3 Construction Site Program	Review Site Plans for Erosion and Sediment Controls. (5.3.3)	DEQ for first two years then RVSS Manager	Review plans for proper use of ESC BMP’s and post construction ESC. Review plans to ensure they are in compliance with local ordinances and SW Design Manual.	Review plans to ensure they are in compliance with local ordinances, including SW Design Manual and issue permits. Monitor the number of permit reviews. Level 1 – adopt ord. and document reviews Level 2 – raise builders’ awareness not to dump in storm drain Level 3 – require cleanup of discharges Level 4 – pollutants reduced	Yes/Levels 1,2,3,4	<ul style="list-style-type: none"> RVSS became DEQ’s Agent on September 1, 2006 and a 1200-CN agency in 2010 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 during construction and conducts a site visit prior to approving termination. A total of 11 1200CN permits and one 1200C were issued in FY17. In addition, four 1200CN permits were renewed and three were terminated. <p>FY18 – 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.</p>
5.4 Construction Site Program	Receive Information from Public (5.3.4)	RVSS Stormwater Program Coordinator or Public Works Director for Phase II Communities	Receive and document public calls on SWQ issues from construction sites. Several brochures list phone numbers for the public to report SWQ issues, such as construction activities.	Develop a system to record calls from public. Record number of calls from public, record resolutions and document for annual report. Level 1 – document hotline calls Level 2 – raise Phase II community awareness not to dump in storm drain Level 3 – require cleanup of discharge Level 4 – pollutants reduced	Yes/Levels 1,2,3,4	FY17 - 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 FY17 regarding ESC issues from construction sites. FY18 - RVSS will continue Hotline number record keeping and responding to calls including documentation of call resolution.

Stormwater Implementation “Program-at-a-Glance” FY17

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	FY17 – Conducted pre-construction inspections and numerous on-site verbal discussions with contractors. <ul style="list-style-type: none"> RVSS issued 14 Brown Tags for violation of erosion prevention and sediment control rules at construction sites within the MS4 boundary Two Notices of Non-Compliance were issued for non-compliance with RVSS Code 4.05, one of which carried a fine of \$500. In addition to the 1200CN permits, small site Storm Drain Permits for sites < 1 acre were issued: Central Point issued 42, Talent issued 26, and Phoenix issued 1. Jackson County discontinued issuance of Storm Drain Protection Permits in 2012. FY18 – 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	FY17 – With the renewal of the 1200C permit in Dec. 2015, all erosion and sediment control inspectors previously certified by RVSS were required to be recertified. RVSS' Erosion Prevention and Sediment Control class is listed as an approved Certification course in the 1200-C permit and RVSS continues to offer this course as a service to Southern Oregon contractors and designers. Designated Erosion Prevention and Sediment Control Inspector trainings were held three times and 76 contractors, engineers and public works staff were certified by RVSS this FY. On average, scores increased 35% from pre to post-tests (Appendix A, Section 5.0). <ul style="list-style-type: none"> RVSS inspectors also provided additional training to contractors in the field because many contractors and home builders are not required to and have not taken the course. FY18 – 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"> Adopt ordinance Adopt Design manual Same as 5.1. Level 1 – document permits, inspections & enforcement Level 2 – raise awareness at construction site not to dump in storm drain Level 3 – require cleanup of discharges and enforce fines Level 4 – pollutants reduced through BMP installation and maintenance	Yes/Levels 1,2,3,4	This BMP has been completed. RVSS adopted the Rogue Valley Stormwater Design Manual in 2006, through ordinance 06-01, 2006. The cities of Medford and Ashland have also adopted the Rogue Valley Stormwater Quality Design Manual in order to bring regional consistency to development standards. FY17 – RVSS initiated creation of a Working Group to adapt and adopt the Western Oregon Low Impact Development Guide. To increase acceptance of the guide and its concepts, RVSS invited private engineers, landscape architects, municipal engineers, public work supervisors, public citizens, and municipal engineers and stormwater managers to participate in the working group. The Working Group has met monthly for the past years. This is a very large effort and has consumed a lot of RVSS' time through meeting organization and management, tracking and incorporation of all comments received into the guidance document, and follow-up research. FY18 – RVSS will continue to coordinate a working group of local entities to adopt and adapt the LID Guide for the Rogue Valley.

Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
6.3 Post-Construct. SW Program	Training Plan Reviewers and Field Inspectors (6.3.3)	RVSS Manager	Train staff responsible for reviewing plans and inspecting construction site for post-construction stormwater management.	Document and report the number of hours spent on training. Level 1 – create SOP for plan review Level 2 – raise contractor and engineers awareness of post-construction stormwater control options	Yes/Levels 1,2	FY17 – <ul style="list-style-type: none"> Post-construction stormwater management plans are reviewed by RVSS’ Engineer and SW Manager to ensure they comply with the Design Manual. No new staff have been hired so new training provided. FY18 – RVSS will train any new staff hired for post-construction SW plan review.
6.4 Post-Construct. SW Program	Site Plan Review for Post-Construct. BMPs (6.3.4)	RVSS Manager	Review plans to ensure they are in compliance with local ordinances and SW Design Manual. Review will include proper use of ESC BMP’s and post-construction ESC.	Adopt Ordinance and Design Manual. The number of reviews, along with staff time, will be documented and reported annually. Level 1 – adopted ord. and documented reviews. Level 2 – raised engineers’ and architects’ awareness to meet stormwater ord. Level 3 – require post-construction stormwater Level 4 – pollutants reduced by stormwater quality features in new developments	Yes/Levels 1,2,3,4	FY17 – RVSS reviews stormwater management plans for all developments creating 2,500sf or more of impervious surface within RVSS’ Phase II boundary. In FY17, 20 projects were reviewed and approved. FY18 – RVSS will continue to review plans for stormwater management features as they come into our office and will continue to conduct post-construction inspections.
6.5 Post-Construct. SW Program	Inspection of Structural Post-Construct. BMPs (6.3.5)	RVSS Manager	Inspect sites to ensure post-construction BMPs are installed and maintained correctly.	Record inspections, violations and follow up work needed for SWQ and document for annual report. Develop maintenance procedures to ensure structural BMPs work properly. Level 1 – adopted ord. and documented reviews. Level 2 – raised engineers and architects awareness to meet stormwater ord. Level 3 – require post-construction stormwater Level 4 – pollutants reduced by stormwater quality features in new developments	Yes/Levels 1,2,3,4	FY17 – <ul style="list-style-type: none"> Following construction, features were inspected to ensure their installation was consistent with site plans. Continued implementation of Stormwater Ordinance and record keeping system to track structural BMPs installed in RVSS Phase II Communities. RVSS inspects mechanical stormwater quality features and cleans as needed. Removed ~3.35 CY of sediment and 1 CY of trash. Details of inspections and maintenance are provided in Section 6.0 of Appendix A. FY18 – RVSS will continue to inspect post-construction features upon installation completion. RVSS plans to develop Standard Operating Procedures for maintenance of stormwater quality features including LID features.
7.1 Pollution Prevention in Municipal Operations Program	Operations and Maint. Plan (7.3.1)	RVSS Manager working with PWD for Phase II	O & M Plan shall include: <ul style="list-style-type: none"> Description of maintenance activities List of responsible departments and persons Schedule of activities Review maintenance of parks and open spaces Review and record herbicide and pesticide uses 	Develop O & M Plan. Implement O & M Plan and track use of herbicides and pesticides. Level 1 – develop and adopt maintenance plan Level 2 – raise municipal staff’s knowledge and awareness Level 3 – require staff to install BMPs	Yes/Levels 1,2,3	FY17 – Herbicide/pesticide application in 2016: <ul style="list-style-type: none"> Central Point – 711 gallons Jackson County – 3,398 gallons (this countywide, not just within the Phase II) Phoenix – 18.5 gallons Talent – 1.6 gallons RVSS has participated in the Pesticide Stewardship Partnership (PSP) of the Middle rogue for the past few years. Specifically, our role has been to identify sample locations that would bracket urban areas and attempt to differentiate inputs from rural/urban areas. We have also provided field sampling support. FY18 – RVSS will continue to participate in the PSP.

Stormwater Implementation “Program-at-a-Glance” FY17

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
7.2 Pollution Prevention in Municipal Operations Program	Park and Open Space Maint. (7.3.2)	Public Works Directors of Phase II jurisdictions	Same as 7.1.	Develop O & M Plan. Implement O & M Plan and track use of herbicides and pesticides. Level 1 – develop and adopt maintenance plan Level 2 – raise municipal staff’s knowledge and awareness	Yes/Levels 1,2	FY17 – See 7.1 for O & M Plan. <ul style="list-style-type: none"> Central Point maintains 22 pet waste stations and distributed 120,000 bags. Phoenix maintains pet waste stations at three parks and used 4,000 doggy bags. Talent maintains 14 pet waste stations and distributed 54,000 doggy bags. Jackson County maintains 13 pet waste stations (5 new this year) countywide and distributed 4,000 doggy bags For herbicide and pesticide use see 7.1 above. FY18 – 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.
7.3 Pollution Prevention in Municipal Operations Program	Vehicle and Equipment Washing (7.3.3)	RVSS Manager working with Public Works Directors of Phase II jurisdictions	O & M Plan shall include: <ul style="list-style-type: none"> Description of maintenance activities List of responsible departments and persons Schedule of activities Review maintenance of parks and open spaces 	<ul style="list-style-type: none"> Central Point – self-contained vehicle washing facility with filtration system – Operation will be in O & M Plan. Jackson Co. – covered self-contained vehicle washing facility with settling tank to sanitary sewer. Solids tested. Operation will be in O & M Plan. Talent – brush off and washing at PW over a gravel area. Phoenix – Phoenix constructed covered vehicle washing facility. Operation will be in O & M Plan. RVSS – Use private washing or RVSS facility that includes oil/water separator. Effectiveness: Same as 7.2.	Yes/Levels 1,2	FY17 – RVSS purchased two car wash kits for use by the City of Phoenix Fire Department and for use during charity car wash events. Central Point also has two car wash kits for use by the public.
7.4 Pollution Prevention in Municipal Operations Program	New Construct. and Land Disturb. (7.3.4)	RVSS Manager and PWD for Phase II	Inspect permitted construction sites for SWQ violations.	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	FY17 – 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. RVSS also conducts random inspections of construction sites less than 5 acres. FY18 – RVSS will continue as a DEQ Agent and will continue to inspect public construction projects for proper BMP installation and maintenance.
7.5 Pollution Prevention in Municipal Operations Program	Dust Control Practices (7.3.5)	RVSS Manager and PWD for Phase II	Inspect permitted construction sites for SWQ violations	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” FY17

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	FY17 – <ul style="list-style-type: none"> • Central Point – worked in Zone 2 (See appendix B) and video inspected 2.5 miles of mains and laterals, 72 curb inlets and 5 manholes. One lateral was found to be plugged and subsequently cleaned as well as 7 sump inlets <ul style="list-style-type: none"> – entire city swept at least once a week, high intensity areas twice per week removed 420 tons of material – annual leaf pickup removed 111 tons of leaves • Talent <ul style="list-style-type: none"> – swept streets twice per month (total of 418 miles of swept) – contracted with RVSS to clean 0.28 miles of pipe – Inspected 247 storm drains and curb inlets out of a total of 607 and cleaned 72 – 50 cubic yards of leaves were collected during the fall leaf pick up • Phoenix <ul style="list-style-type: none"> – swept 19.5 miles of street three times per month removing a total of 70 cy of material – inspected 374 catch basins/curb inlets and removed 10 cy of material – removed 10 tons of leaves through the fall leaf program • Jackson County <ul style="list-style-type: none"> – cleaned 25 inlets and ~3.6miles of pipe – swept 765 miles of road 14 times, every 4-6 weeks but once /wk during leaf season FY18 – 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	FY17 – Maintain records of maintenance activities: <ul style="list-style-type: none"> • 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. FY18 – 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"> • Jackson County has an Adopt a Road program with 41 adopted roads, volunteers clean at least once per year. • CP has an Adopt a Street Program – 25 adopted streets totaling 17.2 miles – volunteers clean at least once per year 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"> • Central Point, Jackson County and Talent will review flood management projects for opportunities to include SWQ. • Phoenix – Continue to implement SW Master Plan Level 1 – document maintenance and flood management work Level 2 – raise staff awareness	Yes/Levels 1,2	FY17 – <ul style="list-style-type: none"> • RVSS is continuing discussions with its Phase II communities to determine areas in which benefits to both stormwater and flood management can be gained. FY18 – <ul style="list-style-type: none"> • RVSS will continue to work with Phase II communities to identify areas requiring flood management that can also perform water quality improvement.

Stormwater Implementation “Program-at-a-Glance” FY17

Program Area	Regional Guide Measures	Responsible Party	Implementation Tasks from SWMP	Measurable Goals/Effectiveness (Levels 1 to 5 from CASQA)	Goal(s) Achieved Levels 1,2,3,4,5	Accomplishments, proposed changes and plans for the coming year
7.10 Pollution Prevention in Municipal Operations Program	Employee Training on O & M Implementation (7.3.7)	RVSS Manager and PWD for 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	FY17 – <ul style="list-style-type: none"> Central Point provided 8 hours of training including attendance of the ORACWA SW Summit and a webinar on Green Infrastructure in Parks. Three staff from Jackson County attended pesticide applicator training for a total of 20 hours. Six staff from City of Talent participated in the Erosion Prevention and Sediment Control training provided by RVSS for a total of 36 hours. FY18 – Continue to train staff from Ph II Communities as needed.
8.0 Evaluation and Assessment	Meet Permit Requirements	RVSS Manager and SW Program Coordinator for Phase II	Prepare annual report for NPDES permit	Meet Phase II requirements as outlined in the Measurable Goals of each permit requirement. Level 1 – document Phase II activities Level 2 – raise DEQ’s knowledge of RVSS’ Program	Yes/Levels 1,2	FY17 – Submit annual report for Phase II and 1200C programs in accordance with DEQ requirements. FY18 – 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 2017

Event	Audience	Location	Date	Visitors
Salmon Watch	Youth	Valley of the Rogue State Park	10/6/2016	50
Salmon Watch	Youth	Valley of the Rogue State Park	10/13/2016	75
Southern Oregon Realtor Network: Presentation on SW considerations when purchasing property	Realtors	Medford, OR	1/12/2017	30
Bear Creek Clean-Up		Blue Heron Park Phoenix, OR	4/22/2017	30

Total Residents reached directly by RVSS: 185

Section 3.0 Public Involvement Documentation

Rogue Valley Sewer Services Public Involvement FY 2017

Organization	Frequency	Duration
Bear Creek Working Group Meetings	monthly meetings	2 hr
Rogue River Watershed Council Board	monthly meetings	3 hr
Bear Creek/Rogue River TMDL workgroup	quarterly meetings	2 hr
Stormwater Advisory Team Meetings	quarterly meetings	2 hr
Stream Smart Committee	quarterly meetings	2 hr
Low Impact Development Working Group	monthly meetings	2.5 hr

Section 4.0 Illicit Discharge Detection and Elimination Documentation

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

Date Reported	Reported by	Location of Incident	Type of Incident	Incident Response and Dates	Situation Corrected?
7/27/2016	private citizen	1120 Temple Dr CP- Austin Noles responsible party	oil dumped in catch basin	RVSS cleaned out catch basin	None required.
8/22/2016	City of Central Point	off 99 @ Rogue Dust Control	lignin spill from Rain for Rent container	notified company owner that he must clean up spilled lignin and put pump in secondary container	yes
9/23/2016	RVSS	8250 Agate Rd. White City, OR, Dean's Diesel Repair	oil spill on land by rail road tracks	RVSS inspector spoke with company owner about proper disposal required him to remove contaminated dirt and dispose of properly.	RVSS SW manager also visited and spoke with owner about BMPs.
11/14/2016	RVSS	2450 Sierra Vista Ln Medford, OR	septic tank pump failure with estimated overflow of 20,000 gallons	RVSS disinfected the area, replaced the pump and had an electrician inspect the breaker	None required.
2/22/2017	Robert Corliss, MWWTP	Pacific Crest on Antelope	white, milky colored water in SW ditch	RVSS visited but color had dissipated, could not ID source.	None required.
3/27/2017	residents, 3 calls to city before forwarded to RVSS	The Meadows Mobile Home Park	Perfection Pools pumped excavated material from swimming pool to the SW system	directed contractor to Stop Work. RVSS flushed line and contractor cleaned street	yes 3-27-17, fine issued and invoice for costs sent
4/20/2017	Central Point	Pine St. and Bear Cr.	car accident caused oil spill into catch basin	tow company applied kitty litter to absorb oil on street, RVSS vacced out catch basin.	None required.
5/19/2017	Central Point	1310 Hawthorne	individual changing car's oil dumped to catch basin	RVSS attempted to soak up w/ absorbent but then due to the volume of oil used unit 27 to vac up.	None required.
6/29/2017	private citizen	Ray's Food Place Phoenix	trash compactor leaking into catch basin and trash on ground	gave one week to clean-up before fine will be issued.	Ray's had the compactor repaired and the catch basin vac'd out.

**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. Conducting FOG inspections is pertinent to the Stormwater Program as proper maintenance of grease interceptors helps to prevent clogging and subsequent overflows of sanitary sewer lines to the stormwater system.

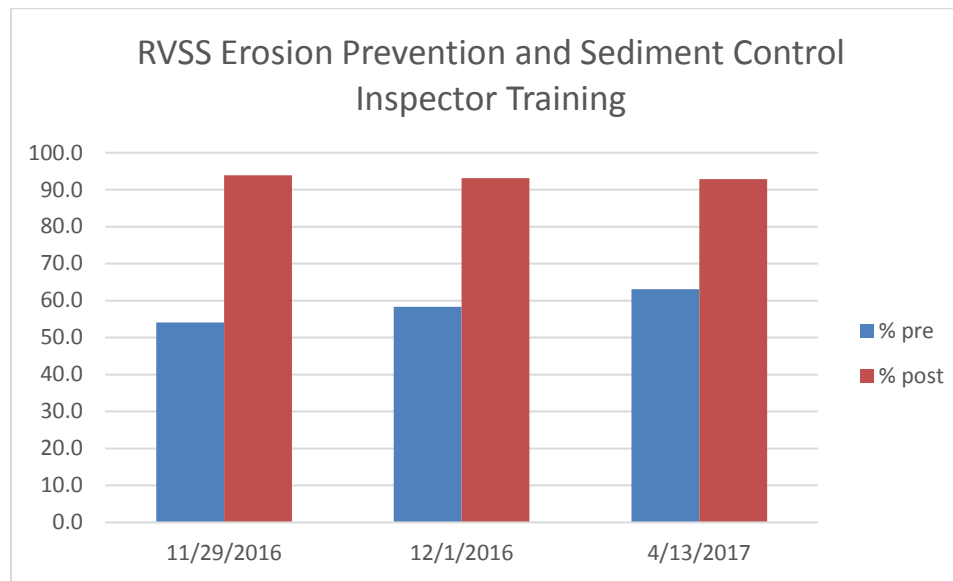
	FY 2015	FY 2016	FY 2017
Number of Annual and Initial Inspections:	29	561*	181
Number of FSEs in Non-Compliance:	18	278	64
Of those in Violation, Number of FSEs Corrected:	2	291	33
New Interceptors Installed:	1	97	8

*Included repeat inspections of FSEs in Non-Compliance

Section 5.0 Construction Site Program Documentation

RVSS Erosion and Sediment Control Inspector Training in FY17

Average Quiz scores					
Class Date	Attendee #	Pre-test	% pre	Post-test	% post
11/29/2016	27	6.1	54.1	23.5	93.9
12/1/2016	28	6.3	58.3	23.3	93.1
4/13/2017	21	6.3	63.1	23.2	92.9
Average	76	6.2	58.5	23.3	93.3



Projects for which a Notice of Non-Compliance was Issued FY 2017

Date of violation	Violation	RVSS inspector	Applicant/Violator Name	Notice of Non-Compliance	Was Issue Corrected?	Fine Paid?
11/3/2016	failure to install and maintain BMPs	BJ	Bob Fellows & Schyuler Van Wart	yes	yes	yes
3/9/2017	Discharge of material into catch basin	BJ	Dan Ames @ 864 Virginia Way	yes	yes on 3-17-17	none issued

Projects for which a Brown Tag or Stop Work Order was Issued FY 2017

Date	Address	Violation(s)	RVSS Inspector	1200CN Inspector or Resident Name	Brown Tag (BT) or Stop Work Order?	Was Violation Corrected? (Date)
8/23/2016	JSWCD building expansion	SW catch basin not protected	BJ	Vitus Construction	BT	yes
9/8/2016	Storage R Us	spoils on the curb & in the street	BJ	Scott Pingle	BT	yes
10/27/2016	Storage R Us	no construction entrance, stockpile on curb	BJ	Scott Pingle	BT	
10/27/2016	Patriot Station	silt fence not maintained, discharging	BJ	Pat Steig	BT	yes
10/27/2016	Lisk Estates	silt fence not maintained, slope not protected	BJ	Schuyler VanWart	BT	
10/27/2016	Dollar General	porta-potty, silt fence, catch basin not protected	DH	John Rotar	BT	catch basin only
10/31/2016	Dollar General	porta-potty, silt fence falling down	DH	John Rotar	BT	yes
12/9/2016	Dollar General	excessive material flowing into CB, silt fence needs maintenance	DH	John Rotar	BT	partially fixed fence and installed witch's hats in CB
12/14/2016	Dollar General	excessive material flowing into CB, silt fence needs maintenance	DH	John Rotar	BT	yes, 12-16-16
12/20/2016	Twin Creeks	bio-bags needed & track out	BJ	Bret Moore	BT	yes
9/19/2016	Twin Creeks	bio-bags needed & track out	BJ	Bret Moore	BT	yes
2/13/2017	Twin Creeks-437 Bridge Cr. Dr.	bio-bags needed & track out	JM	Bret Moore	BT	yes
2/13/2017	Twin Creeks-425	bio-bags needed & track out	JM	Bret Moore	BT	yes

	Bridge Cr. Dr.					
2/13/2017	Twin Creeks- 405 Stone Point	bio-bags needed & track out	JM	Bret Moore	BT	yes

1200C and CN Permits Terminated in FY 2017 in RVSS' Phase II Area

Termination Date	RVSS/ DEQ Permit Number	Site Common Name	Site Address	Permittee Legal Name
10/3/2016	SWQ15-002-CN	Freeman Rd CP	140 S 3rd St, Central Point,	City of Central Point
10/7/2016	SWQ15-001-CN	Knollcrest, LLC	4100 Payne Rd, Medford, OR 97504, 541-944-0024	Knollcrest, LLC
11/1/16	SWQ14-009-CN	Saddlebrook Meadows	3751 & 3725 Antelope Rd., , OR	Janakes Family LLC
2/24/2017	SWQ123957-C	Hilton Landscape-Ave G.	Avenue G, , OR	Hilton Fuel and Supply Company



Jute matting protecting an excavated slope on a 1200-CN permitted project.

Section 6.0 Post-Construction SW Program

The following table contains inspection and maintenance data on mechanical stormwater quality features that are maintained by RVSS. Vegetated stormwater features are maintained by the cities themselves and reported on in their individual reports.

RVSS ANNUAL STORMWATER FEATURE MAINTENANCE 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	33	Jewett Elementary School	Proprietary System	Environment 21	121	Mingus Creek	N	8/3/2016 10/17/2016	Clean Trash Only 1/2" Rain Event, No Cleaning Needed	8/24/2016	0	0.005
Y	Central Point	48	Scenic Heights Housing Development	Proprietary System	Contech	2.43	Bear Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	Central Point	64	Upton Road Realignment	Proprietary System	CDS	4	Mingus Creek	N	8/3/2016 10/17/2016	Needs sediment removed 1/2" Rain Event, No Cleaning Needed	8/24/2016	0.25	0
Y	Central Point	77	Gebhard SWQ Structure	Proprietary System	Suntree	120	Bear Creek	N	8/3/2016 10/17/2016	Clean Trash 1/2" Rain Event, No Cleaning Needed	8/25/2016	0	0.05
Y	Central Point	111	Mid Valley Subdivision	Detention Pipe	ADS	0	Griffin Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	Central Point	121	Creekside Village	Detention Pipe / Manhole		0		N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	Central Point	156	Liberty Place	Proprietary System	Contech	0	Griffin Creek	N	8/3/2016	No Maintenance needed			
Y	Central Point	196	Freeman Rd CP	Proprietary System	Contech	3.58	Mingus Creek	N					
Y	Central Point	215	Northern Heights PUD	Detention Pipe & 3 Manholes		0	Griffin Creek	N	8/3/2016	No Maintenance needed			
Y	Central Point	14	Gray Court	Proprietary System	ADS	1.8	Bear Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	Phoenix	29	Home Depot-Phoenix	Detention Pond Sized for Water Quality		4.2	Bear Creek	N					
Y	Phoenix	133	Lawrence Extension/Chelsea Gardens	Proprietary System		0		N	8/25/2016 10/17/2016 12/19/2016	Annual inspection, no mx required. Inspected after 0.5in rain, no mx required. Inspected after 0.5in rain, no mx required.			

RVSS ANNUAL STORMWATER FEATURE MAINTENANCE 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	8/25/2016	Annual mx required, clean rack & bottom vac. Perlite changed on 10-21-16.	10/21/2016	0.1	0
									10/17/2016	Small amount of trash in rack, sediment needs to be removed			
									10/21/2016				
									12/19/2016	Inspected after 0.5in rain, no mx required.			
Y	Phoenix	39	LA-Z-BOY Furniture	Home Depot Wet Ponds		0	Bear Creek	N	8/25/2016	Annual mx required			
									12/19/2016	Inspected after 0.5in rain, no mx required.			
Y	Phoenix	24	Huntley Subdivison	Proprietary System	CDS	2.92	Coleman Creek	N	10/17/2016	Inspected after 0.5in rain, no mx required.			
									12/19/2016	Inspected after 0.5in rain, no mx required.			
Y	Phoenix	49	4th Street Improvements	Proprietary System	Contech filters	0.3	Bear Creek	N	8/25/2016	Annual mx required, service filters & bottom vac.	10/21/2016	0.5	0
									10/17/2016	Inspected after 0.5" rain, already scheduled for maintenance.			
									12/20/2016	Inspected after 0.5in rain, no mx required.			
Y	Talent	104	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016	Annual mx required, replace filter media & clean sump. Replaced perlite.	11/8/2016	0	0
									10/17/2016	Inspected after 0.5in rain, Maintenance already scheduled			
									12/19/2016	Inspected after 0.5in rain, no mx required.			
Y	Talent	105	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016	Annual mx required, replace filter media & clean sump. Replace Perlite.	11/8/2016	0	0
									10/17/2016	Inspected after 0.5in rain, Maintenance already scheduled			
									12/19/2016	Inspected after 0.5in rain, no mx required.			
Y	Talent	26	Park View Townhomes	Proprietary System	Stormwater3 60	0.729	Bear Creek	N	8/25/2016	Annual mx required, replace filter media & clean sump. Perlite inspected but looked fine, will change next year.	11/1/2016	0	0
									10/17/2016	Inspected after 0.5in rain, Maintenance already scheduled.			
									12/19/2016	Inspected after 0.5in rain, no mx required.			

RVSS ANNUAL STORMWATER FEATURE MAINTENANCE 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	92	Gangnes Dr SWQ Structure	Proprietary System	Suntree NSBB	26	Wagner Creek	N	8/24/2016 10/17/2016 12/19/2016	Needs bottom vac, and cage cleaned Inspected after 0.5in rain, Maintenance required. Needs bottom vac.	11/1/2016 8/25/2016	0 0.5	0
Y	Talent	95	Suncrest Stormwater Quality Structure	Proprietary System	Bio Clean Env SWA	27	Bear Creek	N	8/24/2016 10/17/2016 12/19/2016	minimal trash Inspected after 0.5in rain, Maintenance required Inspected after 0.5in rain, Maintenance required	9/6/2016	1	0
Y	Talent	100	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016 10/17/2016 12/19/2016	Annual mx required, replaced filter media & clean sump. Replaced perlite and vacced 11-8-16. Inspected after 0.5in rain, Maintenance already scheduled Inspected after 0.5in rain, no mx required.	11/8/2016	0	0
Y	Talent	101	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016 10/17/2016 12/19/2016	Annual mx required, replace filter media & clean sump. Replaced perlite. Inspected after 0.5in rain, Maintenance already scheduled Inspected after 0.5in rain, no mx required.	11/8/2016	0	0
Y	Talent	102	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016 10/17/2016 12/19/2016	Replaced perlite. Inspected after 0.5in rain, Maintenance already scheduled Inspected after 0.5in rain, no mx required.	11/8/2016	0	0
Y	Talent	106	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016 10/17/2016 12/19/2016	Annual mx required, replace filter media & clean sump. Replace perlite. Inspected after 0.5in rain, Maintenance already scheduled Inspected after 0.5in rain, no mx required.	11/8/2016	0	0
Y	Talent	176	Bear Creek Bridge, West Valley View Rd	Proprietary System	Hydra International	0	Bear Creek	N	8/24/2016 10/17/2016 12/19/2016	Structures on the NE side of bridge, and SW side of bridge need maint. Inspected after 0.5in rain, No maintenance required Inspected after 0.5in rain, no mx required.			

RVSS ANNUAL STORMWATER FEATURE MAINTENANCE REPORT

RVSS Maint?	Location	BMP #	RVS Project Name	BMP Type	Make	Drain -age Area	Receiving Stream	SWQ Agt	Date Inspected	Comment	Date Maint'd	Removed (cy)	
												Sedi-ment	Trash
Y	Talent	103	City of Talent Project	Proprietary System	Contech	0	Wagner Creek	N	8/25/2016	Annual mx required, replace filter media & clean sump. Replaced perlite.	11/8/2016	0	0
									10/17/2016	Inspected after 0.5in rain, Maintenance already scheduled			
									12/19/2016	Inspected after 0.5in rain, no mx required.			
Y	White City	69	Miracle Meadow 2	Proprietary System	Vortech Model 1000	1.36	Whetstone Creek	N	8/3/2016	No Maintenance needed			
Y	White City	233	Nicholas View Subdivision	Proprietary System	Contech	2	Whetstone Creek	N					
Y	White City	216	Antelope Industrial Park	Proprietary System	Contech	17.68	Whetstone Creek	N					
Y	White City	185	Saddlebrook Meadows	Proprietary System	CDS	2	Whetstone Creek	N	8/3/2016	Brand New Device / No Maintenance needed			
Y	White City	157	Freedom Square	Proprietary System	Contech	0	Whetstone Creek	N	8/3/2016	No Maintenance needed			
Y	White City	139	SO Goodwill	Proprietary System	Hydro International	0	Whetstone Creek	N	8/3/2016	Clean Sediment	8/24/2016	0.125	0
Y	White City	90	White Mountain	Proprietary System	Hydro International	140	Whetstone Creek	N	8/3/2016	Needs Sediment and Trash Removed	8/24/2016	0.125	0
Y	White City	87	Fallbrook Meadows	Proprietary System	Contech	0.3	Whetstone Creek	N	8/3/2016	Clean Trash	8/23/2016	0	0.05
Y	White City	86	Sharon Way	Proprietary System	Contech	1.7		N	8/3/2016	No Maintenance needed			
Y	White City	85	Desert View Estates	Proprietary System	ADS	0.9	Whetstone Creek	N	8/3/2016	No Maintenance needed			
Y	White City	83	Ave A and Div SWQ Feature	Proprietary System	Environment 21	108	Whetstone Creek	N	8/3/2016	No Maintenance needed			
Y	White City	240	Saddlebrook Meadows Phase 2	Proprietary System	Contech	1.05	Rogue River	N					
Y	White City	68	Antelope Run	Proprietary System	ADS	3.34		N	8/3/2016	No Maintenance needed			
Y	White City	32	Danielle Estates Subdivision	Proprietary System	VortSentry	0.86	Whetstone Creek	N					

RVSS ANNUAL STORMWATER FEATURE MAINTENANCE 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	23	Antelope Cove	Proprietary System	CDS	3.34	Whetstone Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	20	Agate Meadows	Proprietary System	Hydro International	6	Whetstone Creek	N	8/3/2016 10/17/2016	Clean Sediment and Trash 1/2" Rain Event, No Cleaning Needed	8/24/2016	0.25	0
Y	White City	19	Woodland Village	Proprietary System	Vortechs	3.14	Whetstone Creek	N	8/3/2016 10/17/2016	Clean Trash 1/2" Rain Event, No Cleaning Needed	8/23/2016	0	0.05
Y	White City	16	Birchwood Estates	Proprietary System	Hydro International	1	Whetstone Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	13	Fieldstone Estates	Proprietary System	Vortechs	2.36	Whetstone Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	12	Miracle Meadow Subdivision	Proprietary System	Vortechs	3.33	Whetstone Creek	N	8/3/2016 10/17/2016	No Maintenance needed 1/2" Rain Event, No Cleaning Needed			
Y	White City	84	West Channel B	Proprietary System		260	Whetstone Creek	N	8/3/2016	Needs Trash and Sediment Removed	8/23/2016	0.5	0

APPENDIX B

Water Quality Data Collected During Illicit Discharge Monitoring

**Rogue Valley Sewer Services Instream Sample Data
Wagner Creek and Phoenix Canal Summer 2017**

Date Collected	Time Collected	Sample ID	Water Temp (C°)	Water Temp (F°)	Conductivity (uS)	pH	TDS	E. coli MPN/100 mL	Flow (cfs)	Average Velocity
6/29/2016	11:35	Wagner Anderson Cr. Rd.	ND	ND	ND	ND	ND	648.8	ND	1.73
7/6/2016	11:47	Wagner Anderson Cr. Rd.	15.2	59.4	333	8.45	236	816.4	2.3	1.16
7/18/2016	9:40	Wagner Anderson Cr. Rd.	15.1	59.2	399	8.12	246	167.4	2.1	1.13
7/25/2016	9:10	Wagner Anderson Cr. Rd.	15.5	59.9	363	8.16	257	613.1	2.6	1.52
8/1/2016	9:10	Wagner Anderson Cr. Rd.	14.6	58.3	371	8.21	264	980.4	2.5	1.16
8/11/2016	11:00	Wagner Anderson Cr. Rd.	15.4	59.7	396	8.18	281	488.4	1.4	1.01
8/18/2016	8:26	Wagner Anderson Cr. Rd.	15.7	60.3	406	8.25	289	1203.3	3.0	1.35
8/22/2016	8:40	Wagner Anderson Cr. Rd.	15.2	59.4	400	8.23	284	365.4	2.9	1.46
8/29/2016	8:37	Wagner Anderson Cr. Rd.	15.2	59.4	384	8.23	274	344.8	3.1	1.37
9/6/2016	9:06	Wagner Anderson Cr. Rd.	13.4	56.12	370	8.15	262	275.5	2.3	1.24
7/6/2016	12:41	Wagner Beeson Orchard	15.3	59.5	326	8.37	231	344.8	1.1	0.50
7/18/2016	10:30	Wagner Beeson Orchard	15.5	59.9	395	8.04	281	124.6	1.3	0.47
7/25/2016	9:45	Wagner Beeson Orchard	16.3	61.3	320	8.18	227	770.1	3.0	0.60
8/1/2016	9:35	Wagner Beeson Orchard	15	59.0	367	8.06	261	613.1	1.9	0.48
8/11/2016	11:25	Wagner Beeson Orchard	16	60.8	367	8.17	261	>2419.6	1.4	0.41
6/29/2016	11:49	Wagner Rapp Rd.	ND	ND	ND	ND	ND	1553.1	ND	ND
7/6/2016	11:20	Wagner Rapp Rd.	15.5	59.9	351	8.57	180	461.1	2.1	0.40
7/18/2016	10:50	Wagner Rapp Rd.	15.8	60.4	417	8.18	296	204.6	2.6	0.49
7/25/2016	10:02	Wagner Rapp Rd.	16.3	61.3	350	8.22	249	816.4	5.3	0.67
8/1/2016	10:00	Wagner Rapp Rd.	15.4	59.7	378	8.23	269	686.7	2.4	0.54
8/11/2016	11:38	Wagner Rapp Rd.	16.5	61.7	396	8.3	281	579.4	2.3	0.51
8/18/2016	8:50	Wagner Rapp Rd.	16.5	61.7	377	8.23	267	579.4	2.2	0.57

Date Collected	Time Collected	Sample ID	Water Temp (C°)	Water Temp (F°)	Conductivity (uS)	pH	TDS	E. coli MPN/100 mL	Flow (cfs)	Average Velocity
8/22/2016	9:00	Wagner Rapp Rd.	16.4	61.5	364	8.23	259	325.5	3.7	0.74
8/29/2016	9:07	Wagner Rapp Rd.	16.2	61.2	383	8.24	272	770.1	1.5	0.37
9/6/2016	9:30	Wagner Rapp Rd.	14.1	57.38	389	8.27	276	325.5	1.3	0.41
6/29/2016	12:18	Wagner Truck Stop	ND	ND	ND	ND	ND	613.1	ND	1.23
7/6/2016	9:15	Wagner Truck Stop	14.8	58.6	367	8.58	261	238.2	4.6	0.87
7/18/2016	11:15	Wagner Truck Stop	16.2	61.2	436	8.38	311	129.6	2.9	0.80
7/25/2016	10:32	Wagner Truck Stop	16.6	61.9	382	8.36	270	727	3.3	0.90
8/1/2016	10:20	Wagner Truck Stop	15.6	60.1	405	8.39	288	365.4	3.4	0.93
8/11/2016	12:03	Wagner Truck Stop	16.6	61.9	432	8.48	307	325.5	3.0	0.87
8/18/2016	9:14	Wagner Truck Stop	16.6	61.9	408	8.51	290	435.2	3.5	1.07
8/22/2016	9:22	Wagner Truck Stop	16.3	61.3	399	8.43	284	325.5	6.2	1.39
8/29/2016	9:37	Wagner Truck Stop	16.5	61.7	379	8.48	270	517.2	3.8	1.07
9/6/2016	9:54	Wagner Truck Stop	14.2	57.56	420	8.46	298	328.2	3.4	0.94
7/18/2016	12:15	Phoenix Canal 5th St.	18.3	64.9	315	8.18	223	686.7	91.5	2.18
7/25/2016	11:25	Phoenix Canal 5th St.	18.5	65.3	304	8.31	216	1119.9	60.7	1.96
8/1/2016	11:15	Phoenix Canal 5th St.	18.2	64.8	276	8.26	196	365.4	89.8	2.13
8/11/2016	12:50	Phoenix Canal 5th St.	18.8	65.8	287	8.52	204	575.4	66.7	1.90
8/18/2016	10:15	Phoenix Canal 5th St.	18.5	65.3	320	8.2	227	365.4	48.0	1.67
8/22/2016	10:15	Phoenix Canal 5th St.	18.3	64.9	293	8.16	207	770.1	71.8	1.68
8/29/2016	10:29	Phoenix Canal 5th St.	18.3	64.9	278	8.2	197	435.2	74.7	1.61
9/6/2016	10:41	Phoenix Canal 5th St.	16.1	60.98	312	8.21	221	980.4	50.4	1.54
6/29/2016	12:45	Phoenix Canal Suncrest Rd.	ND	ND	ND	ND	ND	547.5	ND	0.91
7/6/2016	13:35	Phoenix Canal Suncrest Rd.	18	64.4	231	8.77	164	>2419.6	ND	1.52

Date Collected	Time Collected	Sample ID	Water Temp (C°)	Water Temp (F°)	Conductivity (uS)	pH	TDS	E. coli MPN/100 mL	Flow (cfs)	Average Velocity
7/18/2016	11:40	Phoenix Canal Suncrest Rd.	17.4	63.3	314	8.34	223	2419.6	59.7	1.17
7/25/2016	10:57	Phoenix Canal Suncrest Rd.	17.4	63.3	296	8.31	210	980.4	88.0	1.78
8/1/2016	10:45	Phoenix Canal Suncrest Rd.	16.2	61.2	265	8.3	188	249.5	93.9	1.65
8/11/2016	12:22	Phoenix Canal Suncrest Rd.	18.4	65.1	274	8.44	195	410.6	80.3	1.48
8/18/2016	9:40	Phoenix Canal Suncrest Rd.	17.8	64.0	284	8.3	202	290.9	63.9	1.30
8/22/2016	9:45	Phoenix Canal Suncrest Rd.	17.5	63.5	277	8.27	196	980.4	78.9	1.40
8/29/2016	9:59	Phoenix Canal Suncrest Rd.	17.8	64.04	361	8.25	185	2419.6	61.3	1.18
9/6/2016	10:14	Phoenix Canal Suncrest Rd.	15.6	60.08	297	8.33	211	488.4	43.0	0.95

ND: No Data

**Rogue Valley Sewer Services IDDE Sampling Data
 Dry Weather Outfall Sampling for Wagner Creek FY17**

Date Collected	Time Collected	Sample ID	Air Temp (C°)	E. coli MPN/100 mL	Relative % Diff.	Flow (mL/s)	Flow (cfs)
7/6/2016	10:39	Wagner 2	22.7	235.9	2.46		
7/6/2016		Wagner 2 dup		260.3			
7/21/2016	10:20	Wagner 9	20.3	42	4.10	54.46623	0.001923
7/21/2016		Wagner 9 dup		49.5			
7/21/2016	11:20	Wagner 11	20.3	1	16.67	100.368	0.003544
7/21/2016		Wagner 11 dup		2			
8/4/2016	9:35	Wagner 13	20.8	35.9	0.00	595.8292	0.021042
8/4/2016	13:07	Wagner 13 dup		35.9			
8/4/2016	11:20	Wagner 16	20.8	3	10.00	0.280899	9.92E-06
8/4/2016		Wagner 16 dup		2			
8/4/2016	11:53	Wagner 18	20.8	88.2	9.50	1075.269	0.037973
8/4/2016		Wagner 18 dup		129.6			
8/24/2016	9:22	Wagner 22	15.8	21.1	0.59	17.1969	0.000607
8/24/2016		Wagner 22 dup.		21.6			
8/24/2016	10:30	Field Blank		<1			
9/8/2016	9:45	Wagner a (24)	18.2	410.6	8.53	1127.82	0.039829
9/8/2016		Wagner a (24) dup		579.4			
9/8/2016	11:45	Field Blank	18.2	<1			

APPENDIX C

Annual Reports from Rogue Valley Sewer Services' Phase II Communities





Central Point NPDES Phase II Annual Report of Activities

July 30, 2017

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 2017, the City of Central Point received 45 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 for a total of 6,289 miles. Overall 100% of the City streets will be swept at one time during the year. This program was effective in reducing 420 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 Zone, 2. They inspect approximately 2.5 miles of mains and laterals and 72 cub inlets and 5 manholes. 7 sump inlets needed cleaning and 1 lateral was found to be plugged. They determined that the system was in good working order that they will check the system again in 2 years.

Public Pet Waste Disposal Stations

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 17.2 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 111 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 221 gallons of chemical applied at 1-2% concentration and 200 pounds of fertilizer. The Public Works crew applied 690 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 1 person attend training for Green Infrastructure in Parks: Funding, and Community Engagement (online training) and the 2017 ACWA Stormwater Summit.

Education and Outreach

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

Articles and Publications:

- Art. - 1; Pick up after your dog: Be a good scooper, 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.
- Art. - 2; Fall Leaf Pick-up, November 2016. This article lets residents know what days to set their leaves out front of their houses for the annual leaf pick-up by Rogue Disposal.
- Art. - 3; Fertilizer Impacts May 2017. 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. - 4; Storm Drain Provide an Important Community Service Oct. 2017. This article gives a brief explanation of City stormdrains and their purpose. It also gives a tips on how to keep the system clean and clear
- Art. - 5; Your Pet, Your mess: July 2017. 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 2016. 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 152 students. (See Attachment J)
- 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 of Central Point

NPDES Phase II Program Annual Report FY 2017

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	45 Permits	N/A	Copies are sent to RVSS monthly. Attachment "A" provides a list of the Storm Drain Protection Permits issued during FY 2016-2017
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.	420 tons	Dry Creek Landfill	Attachment "B" provides an overview of street sweeper disposal including quantity and cost.
Storm Drain Inspection & Cleaning	Year round	The City is divided into 3 zones for Storm drain maintenance and rents a large Jetter truck to clean the system when needed.	One third of the City	Inspected 2.5 Miles of Stormdrains, 72 Curb inlets, 5 manholes.	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 Zone, 2. They inspect approximately 2.5 miles of mains and laterals and 72 curb inlets and 5 manholes. 7 sump inlets needed cleaning and 1 lateral was found to be plugged. They determined that the system was in good working order that they will check the system again in 2 years. 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	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 throughout the City.	17.2 Miles	Dry Creek Landfill	Attachment "F" is a list summarizing the Agency/Organization, Adopted street and the length that is cleaned.
Annual Leaf Pick-up	November & December	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	111 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 (221 gallons); ROW applications (690 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	5 articles	N/A	Attachment Art. 1-5 includes copies of outreach materials for all stormwater quality education and outreach publications and events.
Stormwater Quality Education/Outreach	Year round	Stormwater Management web page reviewed and updated.	http://www.centralpointoregon.gov/	Single web page with multiple links	N/A	City website is up and material is currently being updated as needed.
Salmon Watch Program - Water Quality Module	Fall 2016	Educate Scenic Middle School students about water quality parameters, including temperature, dissolved oxygen, turbidity and pH.	Scenic Middle School	Five 8th grade classes, 152 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
Stormwater Quality Education/Outreach	June-Aug	Fish Friendly car wash kit	Fundraiser in Central Point	Not measured	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	1 Employee	N/A	Attended training for Green Infrastructure in Parks: Funding, and Community Entagement (online training) and the 2017 ACWA Stormwater Summit.

Central Point SD Protection Permits – FY 2016

	Address	Date	Development Type
1	1216 Boulder Ridge	6/29/2015	SFD
2	217 Trent Terrace	7/2/2015	SFD
3	510 Golden Peak Dr	6/25/2015	SFD
4	219/221 Singing Grass Dr	7/21/2015	SFD
5	1329 N Haskell St	7/28/2015	SFD
6	548 Gray Ct	7/28/2015	SFD
7	544 Gray Ct	7/28/2015	SFD
8	533 Gray Ct	7/28/2015	SFD
9	537 Gray Ct	7/28/2015	SFD
10	872 Virginia Dr	7/29/2015	SFD
11	1167 Boulder Ridge	8/10/2015	SFD
12	1159 Boulder Ridge	8/10/2015	SFD
13	1015 Crown Ave	8/7/2015	Shop Addition
14	5195 Table Rock Rd	8/11/2015	Temp MFR Home
15	246 Wysteria Cir	8/18/2015	SFD
16	526 & 518 Golden Peak Dr	8/18/2015	SFD
17	544 Gray Ct	7/28/2015	SFD
18	533 Gray Ct	7/28/2015	SFD
19	537 Gray Ct	7/28/2015	SFD
20	3292 Grant Rd	8/1/3115	Addition
21	542 Bridge Creek Dr	6/26/2015	SFD
22	5380 Raymond Way	9/7/2015	Garage Addition
23	1184 Boulder Ridge St	9/28/2015	SFD
24	538 Bridge Creek Dr	10/1/2015	SFD
25	557 Eagle Rock Dr	10/5/2015	SFD
26	2023 Jeremy	10/9/2015	SFD
27	1136 Boulder Ridge St	10/29/2015	SFD
28	810 S Front St	11/3/2015	Parking Lot
29	262 N 2nd St	12/1/2015	SFD
30	2060 Bluegrass Dr	12/8/2015	ADU
31	1436 N Haskell St	12/21/2015	SFD
32	550 Bridge Creek Dr	12/29/2015	SFD
33	1080 Boulder Ridge St	1/7/2016	SFD
34	1415 Rustler Peak St	1/10/2016	SFD
35	1421 N Haskell St	1/28/2016	SFD
36	2183 Jeremy St	2/2/2016	SFD
37	1176 Boulder Ridge	2/22/2016	SFD
38	1404 N Haskell St	2/25/2016	SFD
39	1112 Boulder Ridge	3/12/2016	SFD
40	1168 Boulder Ridge	3/29/2016	SFD
41	89 Alder St	4/12/2016	Addition
42	4601 Biddle Rd	4/20/2016	SFD
43	3247 Snowy Butte Ln	4/26/2016	SFD
44	240 Maple St	5/3/2016	SFD
45	546 Bridge Creek Dr	4/27/2016	SFD
46	1420 N Haskell	4/29/2016	SFD
47	1428 N Haskell	4/29/2016	SFD
48	1412 N Haskell	5/10/2016	SFD
49	2038 Bose Ave	5/9/2016	Garage
50	1705 N Haskell	5/19/2016	SFD

51	1413 N Haskell	6/1/2016	SFD
52	561 Eagle Rock Dr	6/2/2016	SFD
53	1909 Scenic Ave	6/17/2016	Garage
54	2518 Brookdale	6/22/2016	SFD
55	347 N 9th St	6/12/2016	SFD
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			

**DRY CREEK LANDFILL
2016-2017**

PO# 0010007229

MONTH	DATE	QUANTITY	AMOUNT
July	07/28/16	10.58	\$105.80
	07/28/16	10.36	\$103.60
Aug	08/22/16	9.43	\$94.30
	08/22/16	10.29	\$102.90
Sept	09/22/16	5.31	\$53.10
	09/22/16	5.19	\$51.90
	09/22/16	5.15	\$51.50
Oct	10/17/16	4.39	\$43.90
	10/17/16	3.61	\$36.10
	10/17/16	3.94	\$39.40
	10/17/16	3.98	\$39.80
	10/06/16	6.32	\$63.20
	10/06/16	7.03	\$70.30
	10/25/16	4.49	\$44.90
	10/25/16	5.30	\$53.00
	10/31/16	5.18	\$51.80
	10/31/16	4.80	\$48.00
Nov	11/01/16	3.70	\$37.00
	11/01/16	3.57	\$35.70
	11/01/16	4.26	\$42.60
	11/07/16	5.06	\$50.60
	11/08/16	3.71	\$37.10
	11/08/16	2.78	\$27.80
	11/08/16	1.62	\$16.20
	11/09/16	2.87	\$28.70
	11/09/16	1.99	\$19.90
	11/15/16	4.31	\$43.10
	11/15/16	4.15	\$41.50
	11/15/16	3.72	\$37.20
	11/16/16	3.23	\$32.30
	11/16/16	2.88	\$28.80
	11/16/16	2.90	\$29.00
	11/21/16	3.21	\$32.10
	11/22/16	3.32	\$33.20
	11/22/16	3.49	\$34.90
11/23/16	3.44	\$34.40	
11/23/16	2.96	\$29.60	
11/23/16	3.29	\$32.90	

Amt: :	\$4,000
Paid:	\$4,202.00
Bal:	(\$202)

	11/29/16	3.79	\$37.90	
	12/19/16	6.53	\$65.30	
	12/19/16	7.27	\$72.70	
	12/19/16	7.92	\$79.20	
Jan	01/18/17	10.32	\$103.20	
	01/18/17	10.58	\$105.80	
	01/18/17	9.81	\$98.10	
Feb	02/09/17	9.97	\$99.70	
	02/09/17	10.20	\$102.00	
	02/09/17	8.31	\$83.10	
	02/09/17	8.80	\$88.00	
	02/09/17	6.87	\$68.70	
Mar	03/07/17	10.42	\$104.20	
	03/07/17	12.17	\$121.70	
	02/21/17	10.23	\$102.30	
	03/21/17	10.04	\$100.40	
Apr	04/24/17	9.02	\$90.20	
	04/24/17	10.93	\$109.30	
	04/24/17	12.93	\$129.30	
May	05/11/17	11.71	\$117.10	
	05/11/17	10.74	\$107.40	
	05/25/17	9.39	\$93.90	
	05/25/17	11.67	\$116.70	
June	06/26/17	8.58	\$85.80	paid via PO 0010008055
	06/26/17	8.08	\$80.80	
	06/26/17	8.11	\$81.10	
Totals		420.20	\$4,202.00	

Mike Ono

From: Troy Tibbets
Sent: Monday, July 17, 2017 3:01 PM
To: Mike Ono
Subject: Storm drain 2016/2017

Mike,

Our city crews looked into zone 2 this year. The crews opened 72 curb Inlets, 5 manholes, ran the camera for 40 mains and laterals. Approximately 2.5 mile of storm system has been inspected. Inspections showed 7 sumps that needed cleaning, which have been cleaned and 1 lateral that was plugged. RVSS came out and cleaned the lateral on Snowy Butte Ln. This was our issues this year, and our system is in good working order. We will check this out in 2 years.

Let me know if there is anything else that we can do for you

Troy Tibbets, Street Foreman
Public Works Department
City of Central Point
140 South Third Street
Central Point, OR 97502
www.centralpointoregon.gov



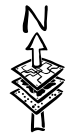
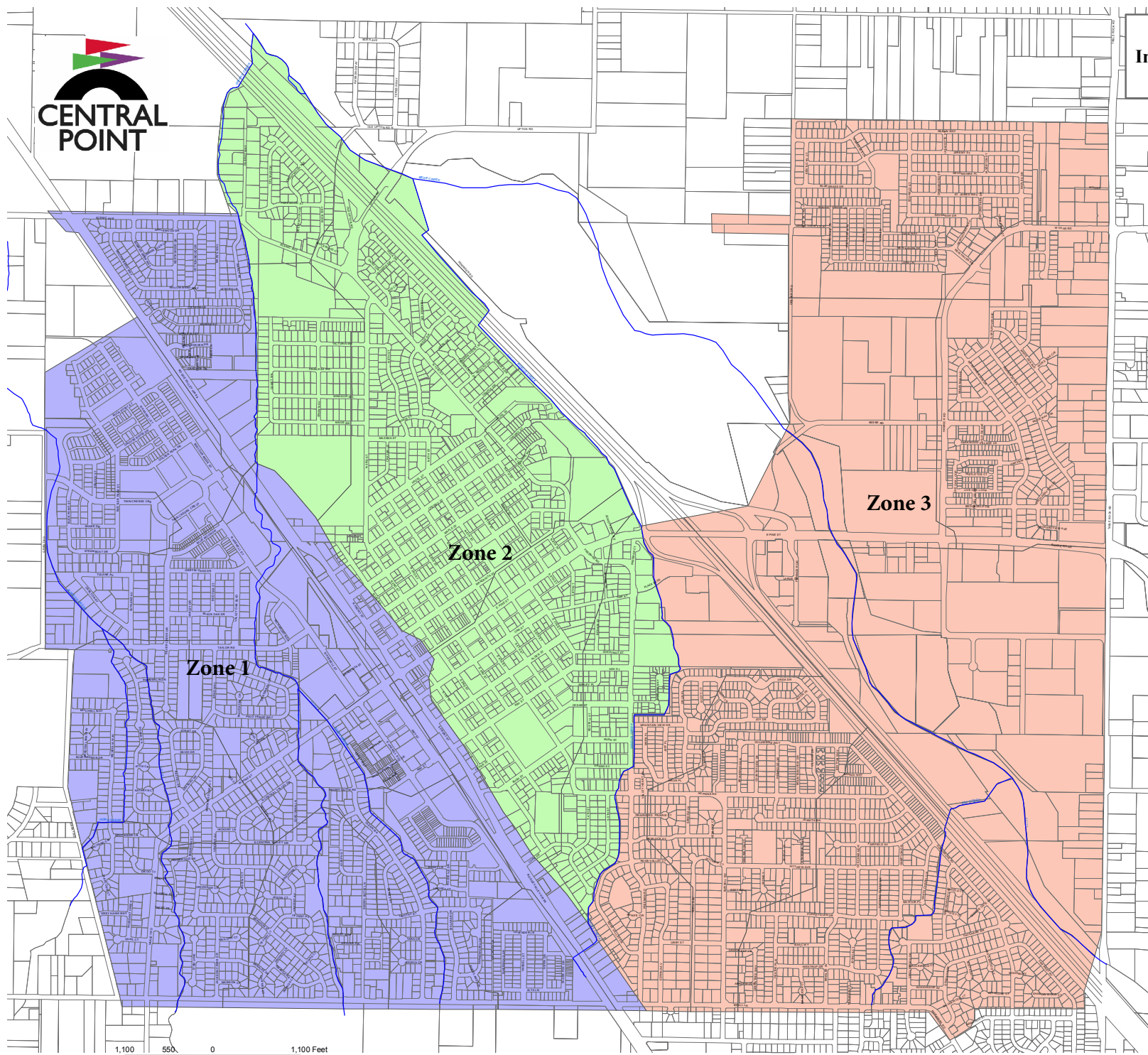
Storm Drain Inspection and Cleaning Zones

Streams

SD Maintenance Zones

ZONE

- ZONE 1
- ZONE 2
- ZONE 3



This map is designed for graphic display and reference purposes only and should be used to locate utilities.
MHO 26 June 2015
stormdrain_maintenance.mxd

Dog Waste Bag Stations 2017

Bag Buddy Sponsor	Park	Dog Park Locations
Celebrity Pets	Don Jones Park	By War Memorial
Crater Animal Clinic	Don Jones Park	By Mountain Ave.
None	Don Jones Park	By Water Reservoir
Hap-E-Dog Pet Grooming	Don Jones Park	Water Park / Tennis Court
None	Don Jones Park	By Basketball Court
None	Don Jones Park	North East Path
Crater Animal Clinic	Willie Mott Park	Jeremy Street
None	Willie Mott Park	Tennessee Ln.
Mountain View Veterinary Clinic	Pfaff Park	North East Side
Mountain View Veterinary Clinic	Pfaff Park	South West Side
Mountain View Veterinary Clinic	Twin Creeks Park	North Side
Crater Animal Clinic	Civic Park	South West Side
Crater Animal Clinic	Civic Park	South East Side
Mountain View Veterinary Clinic	Civic Park	North West Side
Mountain View Veterinary Clinic	Civic Park	North East Side
None	Pocket Park	N. Haskell & Griffith Oaks
Crater Animal Clinic	Flanagan	Entry at Tiffany Ave
Crater Animal Clinic	Flanagan	Pathway at Beall Lane
None	Flanagan	Pathway near Joseph Street
None	Van Horn	Edwina Ave
None	Van Horn	Pathway - Rose Valley
None	Forest Glen	Gatepark Drive

Dog Bag Usage

2016/2017	# of Bags	Cost
Jul-14	10000	\$ 375.00
Aug-14	10000	\$ 375.00
Sep-14	10000	\$ 375.00
Oct-14	10000	\$ 375.00
Nov-14	10000	\$ 375.00
Dec-14	10000	\$ 375.00
Jan-15	10000	\$ 375.00
Feb-15	10000	\$ 375.00
Mar-15	10000	\$ 375.00
Apr-15	10000	\$ 375.00
May-15	10000	\$ 375.00
Jun-15	10000	\$ 375.00
Total	120000	\$ 4,500.00

Agency/Organization	Adopted Street	Lenth
Table Rock Kiwanis	Pine, from Front to the East side of the I-5 Overpass	0.6864
Pathway Enterprises, Inc	10th, from Pine to Upton & Scenic	0.9083
Rogue Creamery	Front, from Scenic to Pine	1.3322
New Heights Christian School	S 4th, from Pine to Hopkins	0.4587
New Heights Christian School	Alder, from Front to 7th	0.371
Bobbio's Pizza	Oak, from Front to Freeman	0.5677
Bureau & Alvarez Families	Front, from Beall to Pine	0.9369
Bureau & Alvarez Families	Freeman, from Pine to Hopkins	0.654
Rhodes Family	Beall, from Hanley to Front	1.09
Frank and Jan Meadows	S Haskell, Pine to Mac Ct	0.5471
Frank and Jan Meadows	Glenn Way, from Pine to Beall	0.7056
CPE 4th & 5th Graders	S 2 & 3, from Pine to Bush and around CPE	0.809
CPE 4th & 5th Graders	Hopkins Road, from 4th to Glengrove	0.7643
Ryerson - MRE School	N Haskell, from W Pine to Twin Creeks Crossing Loop	0.5922
First Presbyterian Church	Manzanita St, from Front to 10th	0.5121
Sonrise Christian Fellowship	S 5th Street, from E Pine to Cedar	0.2777
Bobbio's Pizza	Hamrick, between Pine & RVS	0.8027
The Friends & Family of Michael Niezen	Sunland, Tulane and Carlton Avenues (off Taylor)	0.4428
Church of Jesus Christ	Taylor, from Haskell to Grant	0.6344
Gordon DeHaas	N 3rd - Pine to 10th	0.861
Scott Russell	N 2nd - Pine to Hazel	0.371
Miller Estates Homeowners	Scenic - 99 to 10th	0.662
Earth Lovers	Glenngrove, Columbine to Beall	0.6129
Rocha Family	W Pine - Front to Hanley	0.693
Jim Friend	Hanley - Pine to Beall	0.371
FedEx Ground Terminal	Bursell - Hopkins to Beall	0.4885



February 3, 2017

One West Main, Suite 401

Medford, OR 97501

541 779 4161

roguedisposal.com

Matt Samitore
Public Works Department
City of Central Point
140 S. Third St.
Central Point, OR 97502

Re: Central Point Leaf Program

Dear Mr. Samitore,

Thank you for allowing Rogue Disposal and Recycling, Inc. the opportunity to provide leaf collection service to the City of Central Point.

As requested, Rogue provided a two pass program first pickup beginning Monday November 21st and the second Friday December 16th. The City provided the informational piece to the residents and the residents provided their own leaf bags placing at curb for collection. Rogue collected **111.09** tons of leaves during the collection event.

Enclosed you will find the invoice for \$9,000.00. Please pay from this invoice as no statement will be sent.

Thank you for allowing us to provide this service. If you have any questions please feel free to give me a call.

Sincerely,

Wendel Smith
General Manager
Rogue Disposal and Recycling, Inc.

57-70-43-0360

MUSA

2-7-17

MATT SAMITORE
CITY OF CENTRAL POINT
PUBLIC WORKS DEPARTMENT
140 S. THIRD STREET
CENTRAL POINT, OR 97502

February 3, 2017

INVOICE - CENTRAL POINT LEAF 2016

<u>DESCRIPTION</u>	<u>PRICE</u>
CENTRAL POINT 2016 LEAF COLLECTION	\$9,000.00

INVOICE TOTAL	\$9,000.00
----------------------	-------------------

Please pay from this Invoice, no statement will be sent.

Central Point Parks Department Staff Spray Log 2017

2016/2017 July-June					
	July-Dec				
	Amount	Type	Date	Time	
Cascade Meadows-	3 gal @ 2%	Glystar	9/21/2016	10:45 AM	
City Hall-	3 gal @ 2%	Glystar	9/21/2016	2:00 PM	
Don Jones Park-					
Flanagan Park-					
Forest Glenn -	6 gal @ 2%	Glystar	9/24/2016	10:00 AM	
Glen Grove Wayside-	3 gal @ 2%	Glystar	9/24/2016	10:30 AM	
Greenway-					
Hopkins Island-					
Hwy 99-					
McDonalds Island-	.5 gal @ 2%	Glystar	9/24/2016	9:30 AM	
Mendolia					
Menteer	3 gal @ 2%	Glystar	9/24/2016	8:00 AM	
Parks Yard and surrounding areas-					
Pfaff Park	3 gal @ 2%	Glystar	9/16/2016	9:00 AM	
PW Shop Yard	.5 gal @ 2%	Glystar	9/16/2016	9:15 PM	
Skate Park grass area-					
Snowy Butte Station-	1 gal @ 2%	Glystar	9/22/2016	2:30 PM	
Soccer Field at 4 th Street-					
Taylor Round About-	1 gal @ 2%	Glystar	9/22/2016	2:30 PM	
Tree Wells on Civic Park area-					
Tree wells on Pine and Haskell-					
Twin Creeks Park/Civic Field-					
Van Horn Park-	5 gal @ 2%	Glystar	9/24/2016	1:30 PM	
Willie Mott-					

	Jan-June				
	Amount	Type	Date	Time	
Beall Island	.5 gal @2%	Big n tuf	3/15/2017	1:45 PM	
Cascade Meadows-	13.5 gal @ 2%	Big n tuf	3/15/2017	9:28 AM	
City Hall-	.5 gal @2%	Big n tuf	3/15/2017	1:45 PM	
City Parking Lot					
Community Garden					
Don Jones Park-	9 gal@ 2%	Big n tuf	3/15/2017	1:00 PM	
Flanagan Park-	5 gal @ 2%	Big n tuf	4/15/2017	10:15 AM	
Forest Glenn -	6 gal @ 2%	Big n tuf	4/15/2017	9:45 AM	
Glen Grove Wayside-	6 gal @ 2 %	Big n tuf	4/15/2017	11:00 AM	
Griffin Oaks	7 gal@ 2%	Big n tuf	4/15/2017	11:18 AM	
Hopkins Island-	6 gal @ 2%	Big n tuf	4/25/2017	9:35 AM	
Hwy 99-	8 gal @ 2%	Big n tuf	3/25/2017	11:15 AM	
McDonalds Island-					
Mendolia					
Menteer	6 gal@ 2%	Big n tuf	4/25/2017	1:28 PM	
Parks Yard and surrounding areas-	6 gal@ 2%	Big n tuf	4/19/2017	1:35 PM	
Pfaff	9 gal @ 2%	Big n tuf	3/29/2017	10:00 AM	
Senior Center	6 gal @ 2%	Big n tuf			
Skate Park grass area-					
Snowy Butte Station-					
Soccer Field at 4 th Street-	1.5 gal @ 2%	Big n tuf	6/3/2017	9:30 AM	
Taylor Round About-					
Tree Wells on Civic Park area-					
Tree wells on Pine and Haskell-					
Twin Creeks Park/Civic Field-					
Van Horn Park-	6 gal @ 2%	Big n tuf	3/21/2017	8:43 AM	
War Memorial					
Willie Mott-	1.5 gal @ 2%	Big n tuf	6/3/2017	9:30 AM	

173.0 gal of Glystar/ Big n tuf at 2% concentration July 2016-June 2017

Central Point Parks Department Contracted Spray Log 2017

Central Point Parks Spraying	Address	Approximate acorage -	Cost-Oct-15	Cost-March-16
Cascade Meadows-	852 Haskell Street, Central Point	0.23	\$ 40.25	\$ 44.25
City Hall-	120 S. 2nd Street, Central Point	0.25	\$ 43.75	\$ 45.75
Don Jones Park-War Memorial	223 West Vilas Road, Central Point	10	\$ 1,750.00	\$ 1,970.00
Flanagan Park-	200 Tiffany Avenue, Central Point	5.46	\$ 955.00	\$ 965.00
Forest Glenn -	1101 Gatepark Drive, Central Point	2	\$ 350.00	\$ 365.00
Menteer	136 Brandon Street, Central Point	0.5	\$ 87.50	\$ 97.50
Pfaff	635 Manzanita Street, Central Point	1.5	\$ 262.50	\$ 292.50
Skate Park grass area-	403 South 4th Street, Central Point	0.25	\$ 43.75	\$ 57.75
Soccer Field at 4 th Street-	405 South 4th Street	1	\$ 175.00	\$ 195.00
Twin Creeks Park/Civic Soccer Field- Griffin Oaks/Blue Moon/Haskell	555 Twin Creeks Crossing Loop/	12.87	\$ 2,252.25	\$ 2,552.77
Van Horn Park-	950 Freeman Road, Central Point	2.1	\$ 367.50	\$ 377.50
Willie Mott- park not wetland	2190 Jeremy Street, Central Point	1.27	\$ 222.25	\$ 242.25
		37.43	\$ 6,550.25	\$ 7,205.27

Total chemicals used for all sites October 2016

Millennium 3pts/acre	79.99	pt
UCT 90 1 pt/acre	13.01	pt
Sedge Hammer. 9 g per 1000	28.7	pt
Libuate 1 qt/acre	25	pt
Crossroads 2pr/acre	20	pt
	<u>166.7</u>	= 21 Gallons

Total chemicals used for all sites March 2017

UCT 90 1 pt/acre	0	
Sedge Hammer. 9 g per 1000	28.7	
Libuate 1 qt/acre	73.5	PT
Crossroads 2pr/acre	113	Pt
	<u>215.2</u>	= 27 Gallons

20-20-20 200 pounds



**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 2, 2017
To: Jennie Morgan, RVSS Stormwater Program Manager
From: Mike Kuntz, County Engineer
Subject: Annual MS4 Reporting Data

In response to your memorandum dated July 6, 2017 Jackson County offers the following data in support of the MS4 Annual Report. Please recall that within the 15/16 reporting period 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 6, 2017 memorandum.

1. Jackson County is not aware of any boundary changes during the reporting period.
- 2.
- 2.1 to 2.4 Please see the attached Summary of Activities. Jackson County has 765 miles of paved roads. We do not have inventories of our stormwater features. Does RVSS have this inventory data within the MS4 boundary?
- 2.5 Please see the attached Summary of Herbicide Usage.
- 2.6 Five new pet waste stations were installed this year, bringing us to a total of 13 pet waste stations.
- 2.7 600 doggy bags were distributed through new and existing pet waste stations. [Actually, we use the number of bags purchased as a proxy for the number of bags distributed. Last year we purchased 8,000 bags. I suspect actual usage over the last two years is closer to 4,000 or 5,000 bags per year.]
- 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. 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.

Summary of Activities 7/1/2016 - 6/30/2017

	UOM	Production	Total Resource Cost
Activity : LR0500 - Sweeping (489 items)	Miles	Sum = 1,808.41	\$ 133,730.40
Activity : LR2000 - Grader Ditching (301 items)	Miles	Sum = 23.20	\$ 86,924.03
Activity : LR2100 - Gradall Ditching (2363 items)	Miles	Sum = 68.31	\$ 536,190.30
Activity : LR2200 - Mechanical Culvert Cleaning (598 items)	Each	Sum = 215.00	\$ 79,828.98
Activity : LR2300 - Manual Culvert Cleaning (434 items)	Each	Sum = 1,734.00	\$ 27,387.39
Activity : LR2500 - Install Culvert / Storm Drains (408 items)	Feet	Sum = 834.00	\$ 69,273.32
Activity : LR2900 - Loader Ditching (12 items)	Miles	Sum = 1.40	\$ 4,467.13
Activity : LR3300 - Noxious Weed Control on R/W (809 items)	Acres	Sum = 569.90	\$ 75,467.75
Activity : LR3400 - Other Vegetation Control (238 items)	Labor Hours	Sum = 0.00	\$ 40,454.98
Activity : LR3700 - Spot and Brush Roadside Spraying (719 items)	Acres	Sum = 840.62	\$ 84,470.37
	Total		\$ 1,138,194.65

Summary of Herbicide Usage County-Wide 2016 - 2017

Material	Total Usage Units
W050 - (DEFAULT) - Broadleaf	7.0 gallons
W053 - (DEFAULT) - Triclopyr Amine	373.9 gallons
W054 - (DEFAULT) - Triclopyr Ester	17.6 gallons
W055 - (DEFAULT) - Glyphosate	599.8 gallons
W060 - (DEFAULT) - Telar	1,020.2 ounces
W061 - (DEFAULT) - Aquatic Glyphosate	127.5 gallons
W067 - (DEFAULT) - Oust	1,316.9 ounces
W075 - (DEFAULT) - Surfactant	106.5 gallons
W076 - (DEFAULT) - Surfactant Oil	115.3 gallons
W077 - (DEFAULT) - Lo Drift	481.0 gallons
W084 - (DEFAULT) - Escort	42.0 ounces
W087 - (DEFAULT) - Diuron	1,468.6 gallons
W096 - (DEFAULT) - Picloram (Tordon)	0.0 gallons
W101 - (DEFAULT) - Habitat	61.0 gallons
W102 - (DEFAULT) - Payload	16.0 pound
W108 - (DEFAULT) - Esplanade	1,350.3 ounces
Plateau	28.6 ounces
Laramie 25DF	8 ounces

All chemicals were used in accordance with manufacturer's recommendations to treat approximately 2,833 acres of right-of-way.

Additionally, the following noxious weeds were treated.

Bermuda Grass
Horse Rush
Hymalayan bush spraying
Leafy Spurge
Puncture Vine
Russian Thistle
Scotch Broom
Skeleton Weed
Yellow Star Thistle

City of Phoenix

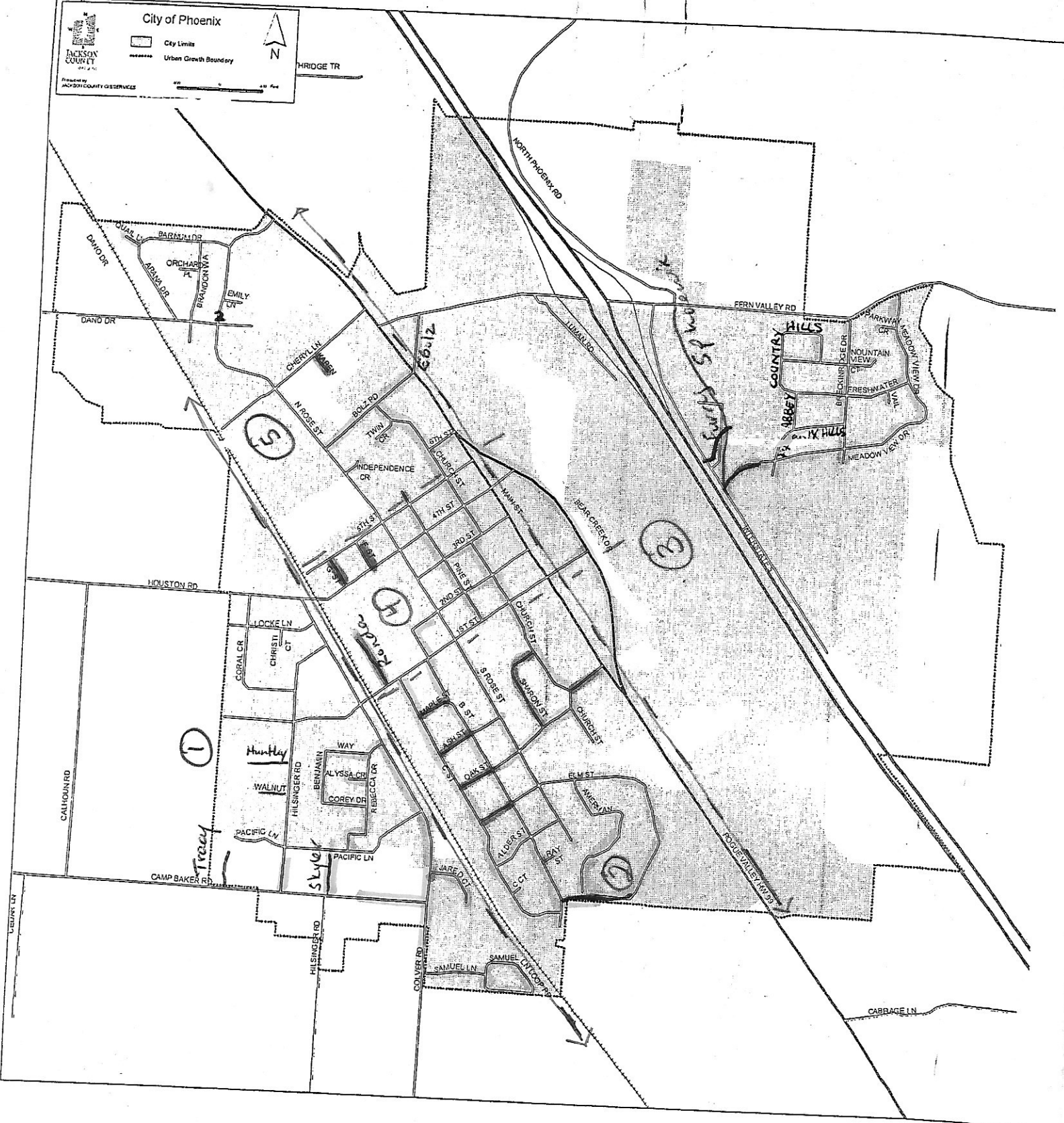
JACKSON COUNTY
1912 & 1913

Produced by
AZ-201 COUNTY GIS SERVICES

City Limits
Urban Growth Boundary

0 1 2 Miles

0 1 2 Feet

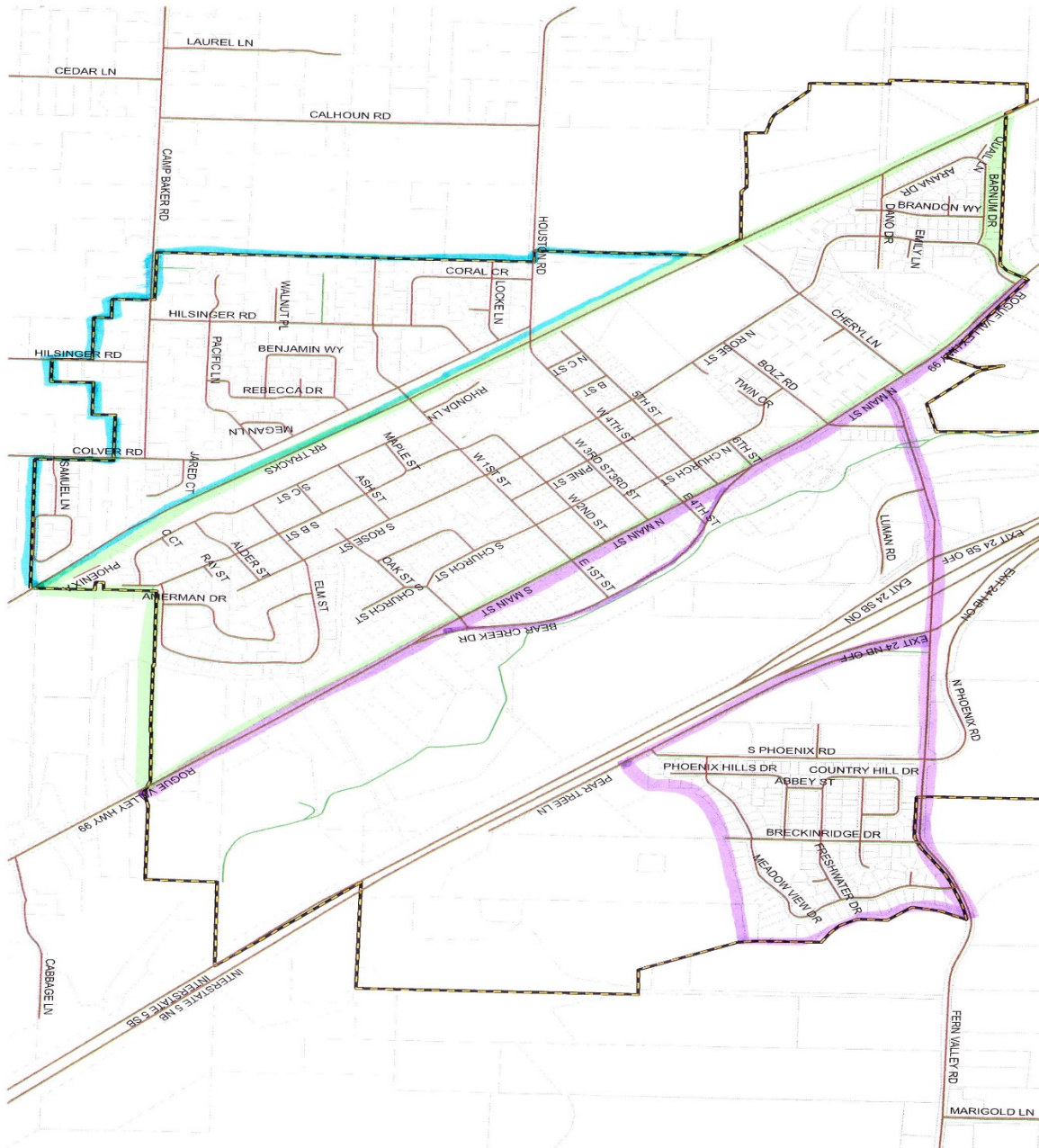


Street Sweeping Schedule

East Side and Main Street - Purple Area	1st Friday of Every Month
Old Town - Green Area	2nd Friday of Every Month
West Side - Blue Area	3rd Friday of Every Month

The City of Phoenix strives to keep our streets clean and free of debris that might make its way into our storm drain system and ultimately into our creeks and streams.

In order to keep our streets clean the city has a street sweeping program. It is the goal of the program that every street in the city that can be swept is swept once a month.



Pesticide Use Log

07/01/2016 – 06/30/2017

Date	Area
<u>12/12/16</u>	ROW's
<u>12/29/16</u>	ROW's, Blue Heron Park, Exp RD pump station, 7-11 corner, Cheryl St corner, Dano St corner
<u>12/30/16</u>	Skyline pump station and road, ROW's
<u>01/17/17</u>	Colver Rd Park
<u>01/27/17</u>	Colver Rd Park, ROW's, PW shop yard
<u>01/31/17</u>	Blue Heron Park, ROW's, Exp Rd pump station Rd,
<u>03/22/17</u>	Grove Way, ROW's
<u>04/04/17</u>	Colver Rd Park
<u>04/05/17</u>	Blue Heron Park, Greenway
<u>04/14/17</u>	PW shop yard
<u>06/23/17</u>	East reservoir area and road
<u>06/29/17</u>	Greenway, Colver Rd Park
<u>06/30/17</u>	Greenway



CITY OF TALENT • COMMUNITY DEVELOPMENT

PO Box 445, Talent, Oregon 97540

Phone: (541) 535-7401 Fax: (541) 535-7423 www.cityoftalent.org

TO: Jennie Morgan, RVSS Stormwater Program Manager
FROM: City of Talent, Community Development Department
DATE: August 2, 2017
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)
247 Inspected (40%), 72 cleaned (12%); 5 SW filters, 13 storm drain outfalls, 372 curb inlets, 217 area drains according to 2007 GIS (total 607 drains)
 - 2.2. Miles of stormwater pipe cleaned out of the total in the jurisdiction (could be a percent)
0.28 miles (contracted with RVSS)
 - 2.3. Miles of street swept out of the total in the jurisdiction (could be a percent)
417.6 miles (17.3 miles, twice a month for 12 months)
 - 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
202.4 ounces
 - 2.6. Number of new pet waste stations installed
2, Gateway Plaza Area and Talent Elementary School
 - 2.7. Number of doggy bags distributed through existing pet waste stations
54,000 bags
 - 2.8. Amount of leaves collected and disposed of (if you have a fall leaf program)
14 sets of 5 Recology leaf bags sold (35 lbs. capacity ea.); Leaf Drop event (November 2016) at Talent City Hall collected 2 – 25 cubic-yards containers of leaves (approximately 50 cu/yards).
 - 2.9. Staff Training related to the Stormwater program- provide number of staff, hours attended and type of training
6 city staff members participated Erosion and Sediment Control Inspector Training (approximately 6 hours each)
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

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.

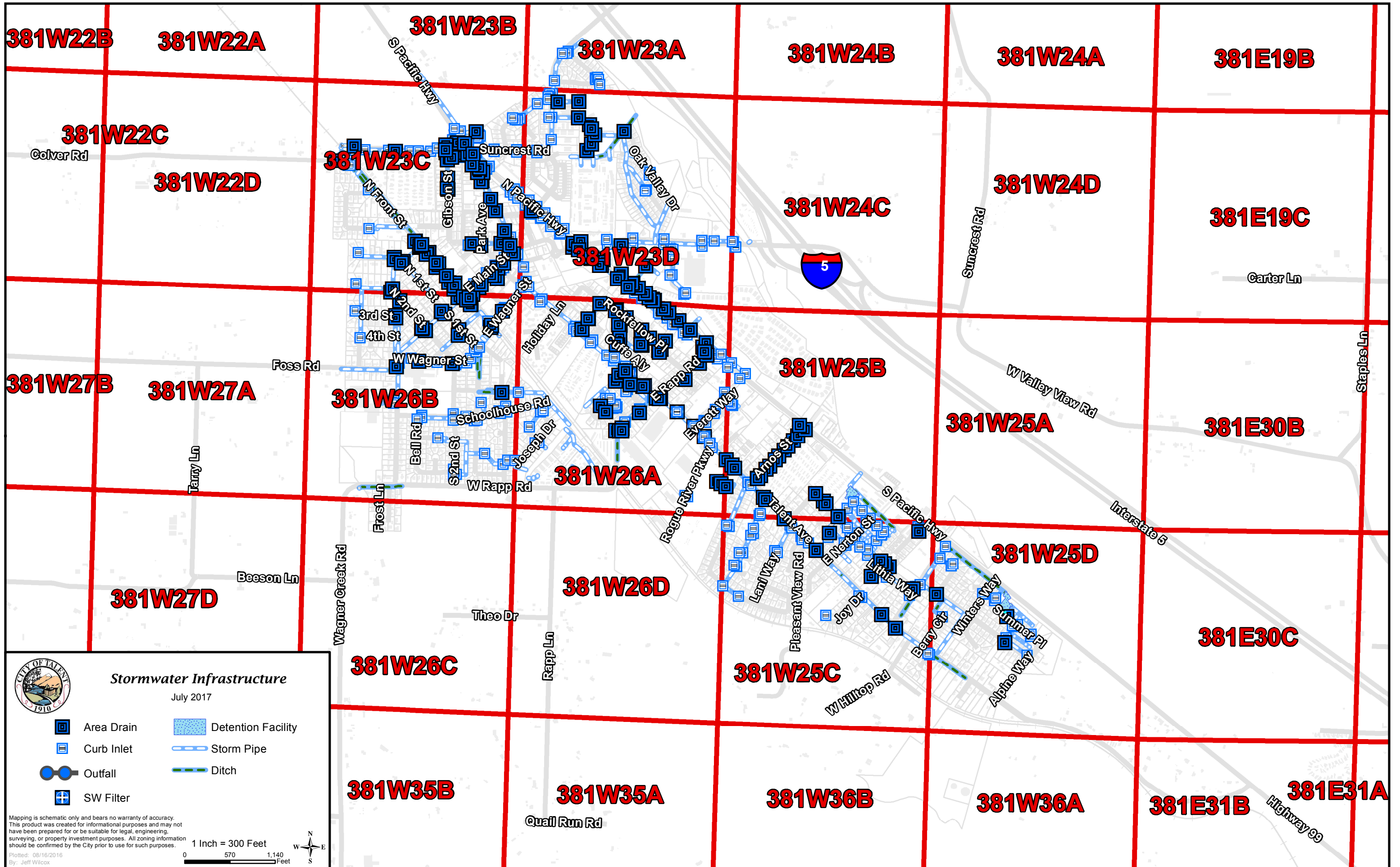
Sincerely,

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.

The City of Talent is an Equal Opportunity Provider



City of Talent
Miles of Street Swept

Street Name	Length (ft)	Length (mi)
1ST	2538.2	0.5
2ND	3187.9	0.6
3RD	488.4	0.1
4TH	458.1	0.1
ALDIN	181.7	0.0
ALPINE	650.8	0.1
ANDI	163.3	0.0
ARNOS	2224.9	0.4
AUTUMN RIDGE	1387.8	0.3
AZALEA	273.9	0.1
BAIN	542.8	0.1
BELL	1167.8	0.2
BERRY	437.9	0.1
BETH ANN	177.9	0.0
BETTY JO	565.7	0.1
BLACKBERRY	249.8	0.0
BRIERWOOD	427.2	0.1
BRITTSAN	351.9	0.1
CAROLYNE	173.9	0.0
CHRISTIAN	178.1	0.0
CLEARVIEW	890.6	0.2
COLVER	1544.1	0.3
CREEKSIDE	542.0	0.1
CREEL	1254.1	0.2
CRIMSON	205.6	0.0
CUFFE	356.2	0.1
DAVID	284.3	0.1
DAVIDSON	329.1	0.1
DEBORAH	1135.9	0.2
EVA	499.6	0.1
EVERETT	552.6	0.1
FAIRVIEW	398.9	0.1
FAITH	446.8	0.1
FOSS	489.3	0.1
FRENCH	90.5	0.0
FRONT	2908.0	0.6
GANGNES	1240.5	0.2
GERALDINE	379.3	0.1
GIBSON	1129.3	0.2
GRAHAM	395.4	0.1
HOLIDAY	683.1	0.1
HOME	249.4	0.0
JACOB	224.4	0.0
JAMES	886.9	0.2
JOHN	504.5	0.1
JORDAN	249.8	0.0
JOSEPH	729.8	0.1
JOY	634.5	0.1

City of Talent
Miles of Street Swept

Street Name	Length (ft)	Length (mi)
KAMERIN SPRINGS	902.1	0.2
LANI	1592.9	0.3
LAPREE	775.0	0.1
LITHIA	3914.2	0.7
LOGAN	531.3	0.1
LOUIS J	954.2	0.2
MADISON	562.4	0.1
MAIN	2040.9	0.4
MARIN	169.7	0.0
MARKET	787.7	0.1
MAX	662.5	0.1
MEADOW SLOPE	1229.1	0.2
NERTON	1278.4	0.2
NEW	480.8	0.1
NICOYA	136.6	0.0
PARK	376.2	0.1
PEGGY	329.9	0.1
PHEASANT RUN	661.6	0.1
PLEASANT VIEW	1143.0	0.2
POPPY BAY	695.9	0.1
RAPP	5043.2	1.0
REAMES	94.6	0.0
ROCKFELLOW	641.7	0.1
ROGUE RIVER	1610.4	0.3
ROY	357.9	0.1
SCHOOLHOUSE	2122.7	0.4
SHERWOOD	255.8	0.0
SUMMER	1052.3	0.2
SUNCREST	2504.5	0.5
SUNNY	448.2	0.1
SWEETBRIER	318.3	0.1
TALENT	10008.1	1.9
TAYLOR	531.7	0.1
THORNTON	82.7	0.0
TULIPAN	537.2	0.1
VALLEY VIEW	3186.3	0.6
VILLAGE	215.6	0.0
WAGNER	2256.2	0.4
WAGNER BUTTE	796.0	0.2
WAGNER CREEK	1649.8	0.3
WEST	704.1	0.1
WILLOW	291.6	0.1
WILLOW SPRINGS	1167.4	0.2
WINTERS	348.3	0.1
WINTERSAGE	842.0	0.2
Total	91353.4	17.3



City of Talent
Public Works
P.O. Box 445
Talent, OR 97540

Pesticide Application Report

7/1/2016 - 6/30/2017

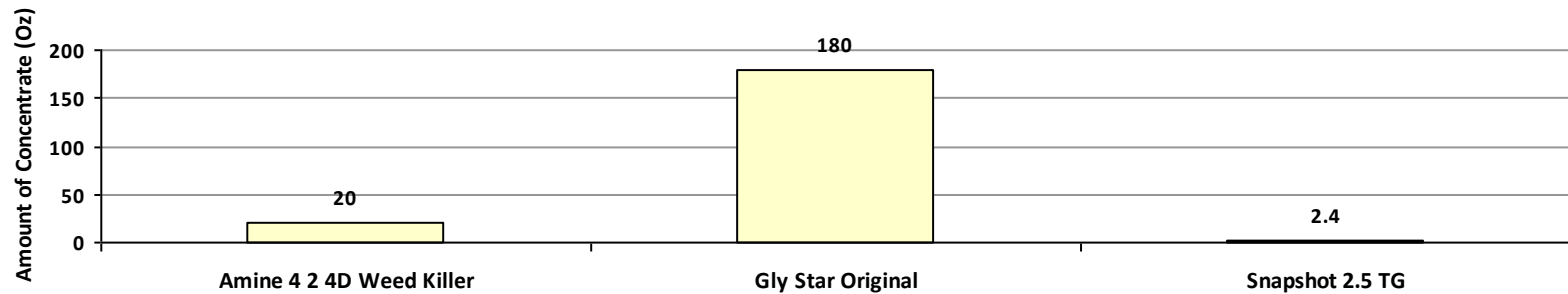
Phone: (541) 535-3828
Fax: (541) 535-5451
www.cityoftalent.org

Location	Date	Pesticide Trade Name	Quantity Used (oz)	Area Treated (ft ²)	Application method
Community Center	8/9/2016	Gly Star Original	3.0	375	Backpack sprayer
	11/29/2016	Gly Star Original	4.0	500	Backpack sprayer
	1/27/2017	Gly Star Original	4.0	500	Backpack sprayer
	2/1/2017	Gly Star Original	2.0	250	Backpack sprayer
	3/2/2017	Gly Star Original	2.0	250	Backpack sprayer
			Subtotal: 15.0	Subtotal: 1,875	
Historical Society	3/8/2017	Gly Star Original	2.0	250	Backpack sprayer
	3/10/2017	Gly Star Original	2.0	250	Backpack sprayer
			Subtotal: 4.0	Subtotal: 500	
Historical Society and Library	5/1/2017	Amine 4 2 4D Weed Killer	4.0	500	Backpack sprayer
			Subtotal: 4.0	Subtotal: 500	
Library	3/2/2017	Gly Star Original	4.0	500	Backpack sprayer
	4/28/2017	Gly Star Original	2.0	250	Backpack sprayer
			Subtotal: 6.0	Subtotal: 750	
Library and Historical Society	3/31/2017	Amine 4 2 4D Weed Killer	4.0	500	Backpack sprayer
			Subtotal: 4.0	Subtotal: 500	
Open Space	8/15/2016	Gly Star Original	2.0	250	Backpack sprayer
			Subtotal: 2.0	Subtotal: 250	
Park	7/13/2016	Gly Star Original	4.0	500	Backpack sprayer
	7/20/2016	Gly Star Original	4.0	500	Backpack sprayer
	7/20/2016	Gly Star Original	6.0	750	Backpack sprayer
	7/29/2016	Gly Star Original	3.0	375	Backpack sprayer
	8/15/2016	Gly Star Original	4.0	500	Backpack sprayer
	10/21/2016	Gly Star Original	4.0	500	Backpack sprayer
	11/7/2016	Gly Star Original	4.0	500	Backpack sprayer
	12/12/2016	Snapshot 2.5 TG	2.4	1,710	Hand shaker
	1/31/2017	Gly Star Original	4.0	500	Backpack sprayer

Location	Date	Pesticide Trade Name	Quantity Used (oz)	Area Treated (ft ²)	Application method
Park	2/1/2017	Gly Star Original	2.0	250	Backpack sprayer
	2/14/2017	Gly Star Original	4.0	500	Backpack sprayer
	3/9/2017	Gly Star Original	8.0	1,000	Backpack sprayer
	4/4/2017	Amine 4 2 4D Weed Killer	4.0	500	Backpack sprayer
	5/1/2017	Amine 4 2 4D Weed Killer	4.0	500	Backpack sprayer
			Subtotal: 57.4	Subtotal: 8,585	
Police Station	7/20/2016	Gly Star Original	2.0	250	Backpack sprayer
	8/15/2016	Gly Star Original	2.0	250	Backpack sprayer
	2/14/2017	Gly Star Original	2.0	250	Backpack sprayer
			Subtotal: 6.0	Subtotal: 750	
Public Works Maintenance	11/29/2016	Gly Star Original	8.0	1,000	Backpack sprayer
	1/31/2017	Gly Star Original	4.0	500	Backpack sprayer
	2/13/2017	Gly Star Original	4.0	500	Backpack sprayer
			Subtotal: 16.0	Subtotal: 2,000	
Right of Way	7/29/2016	Gly Star Original	1.0	125	Backpack sprayer
	3/9/2017	Gly Star Original	4.0	500	Backpack sprayer
			Subtotal: 5.0	Subtotal: 625	
Roadway	7/20/2016	Gly Star Original	2.0	250	Backpack sprayer
			Subtotal: 2.0	Subtotal: 250	
Streetscape	7/13/2016	Gly Star Original	4.0	500	Backpack sprayer
	7/20/2016	Gly Star Original	2.0	250	Backpack sprayer
	8/9/2016	Gly Star Original	6.0	750	Backpack sprayer
	8/9/2016	Gly Star Original	3.0	375	Backpack sprayer
	11/7/2016	Gly Star Original	4.0	500	Backpack sprayer
	11/29/2016	Gly Star Original	4.0	500	Backpack sprayer
	1/12/2017	Gly Star Original	2.0	250	Backpack sprayer
	1/26/2017	Gly Star Original	4.0	500	Backpack sprayer
	1/26/2017	Gly Star Original	2.0	250	Backpack sprayer
	2/14/2017	Gly Star Original	4.0	500	Backpack sprayer
3/9/2017	Gly Star Original	4.0	500	Backpack sprayer	

Location	Date	Pesticide Trade Name	Quantity Used (oz)	Area Treated (ft ²)	Application method
Streetscape	3/10/2017	Gly Star Original	2.0	250	Backpack sprayer
	3/13/2017	Gly Star Original	4.0	500	Backpack sprayer
	3/14/2017	Gly Star Original	4.0	500	Backpack sprayer
	3/14/2017	Gly Star Original	4.0	500	Backpack sprayer
	3/17/2017	Gly Star Original	4.0	500	Backpack sprayer
	4/4/2017	Gly Star Original	10.0	1,250	Backpack sprayer
	5/1/2017	Amine 4 2 4D Weed Killer	4.0	500	Backpack sprayer
	5/15/2017	Gly Star Original	4.0	500	Backpack sprayer
			Subtotal: 75.0	Subtotal: 9,375	
Talent Library	7/14/2016	Gly Star Original	3.0	375	Backpack sprayer
				Subtotal: 3.0	Subtotal: 375
Town Hall	1/26/2017	Gly Star Original	2.0	250	Backpack sprayer
				Subtotal: 2.0	Subtotal: 250
Urban Renewal Office	7/14/2016	Gly Star Original	1.0	125	Backpack sprayer
				Subtotal: 1.0	Subtotal: 125
			Grand Total: 202.4	Grand Total: 26,710	

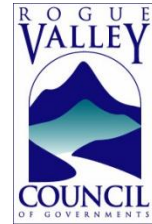
Pesticide Usage by Type



APPENDIX D

Annual Report from Rogue Valley Council of Governments

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation



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

Milestones and Report for Work Conducted July 1, 2016 – June 30, 2017

Report Prepared by the Rogue Valley Council of Governments

RVCOG works with RVSS, the RVSS communities (Talent, Phoenix, and Jackson County) and other partners 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, education centers, 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 and program updates to the public, agencies, and interested groups, 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 online, and evaluates and revises the stormwater outreach and education program. The following report summarizes activities conducted by RVCOG in 2016-2017.

Highlights:

- Programs reached over 1,650 people (not including visitation to the mall cart estimated at 16,320 visitors from October 2016 through June 2017).
- Over 789 brochures, stickers, and activities (e.g., word searches) were distributed.
- Continued the Salmon watch program for a fourth consecutive season. Conducted 11 Salmon Watch field days in the Bear Creek MS4 communities covered under the RVSS permit including 2 in the Talent/Phoenix School district, 8 in Central Point, and 1 for schools that have county wide enrollment (Jackson County). Overall the program had 22 field days. *969 students reached in the program overall.*
- Salmon Watch Partners included the Bear Creek MS4s and TMDL DMAs, the Bear Creek Watershed Education Partners (BCWEP), RVSS, Oregon Department of Fish and Wildlife, O.S.U. Extension, the Rogue River Watershed Council (RRWC), the Rogue Basin Partnership (RBP), the Medford Water Commission, Jackson Soil and Water Conservation District (SWCD), BLM, the Freshwater Trust (TFT), Lomakatsi, and local schools.

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

- Leveraged funding for the continuation of the Salmon Watch program from the Jackson SWCD grant for Fall 2016. The funding supported program coordination, 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.
- Presented program information at local events (the Annual Rogue Valley Earth Day Celebration, the SOU Ashland 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. *401 people reached.*
- Participated in and helped coordinate volunteer clean-ups including two Bear Creek Stewardship Days and LOGOS Schools clean-up. *203 people reached.*

Public Education and Outreach Program

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

Date(s)	Organization(s)	Activity
July through June	Local schools and organizations including - BCWEP, Ashland High School, LOGOS School, Siskiyou Field Institute, and ODFW.	Partnered with local schools, education groups, and others to continue program support in the region including loaning of materials to schools and partners, attending meetings, and assisting with programs as needed. Loaned nets, macro invertebrate kits, water quality kits, and binoculars. Updated resources list for August Institute in 2016, and the Meaningful Watershed Connections workshop in June.
8/25/2016	Siskiyou Field Institute	Meeting with Mandy Noel from the Siskiyou Field Institute regarding the water quality and Salmon Watch kits, participation in Kids and Creeks, and future collaborations.
July and August 2016	Jackson SWCD	Developed a proposal to Jackson SWCD to fund the Salmon Watch program for the Fall of 2016 and Spring/Summer of 2017. Proposal was submitted on August 1st and approved mid-August. Funding provides program support for coordination, transportation, supplies, and module instruction.

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

September through January	Crater High Schools Renaissance Academy	Crater Intern. Worked with a Crater High School intern. Projects the intern worked on included Salmon Watch and stormwater projects. The student presented a project on 1/24/17 on the internship experience.
September - November 2016 field portion. Reporting early 2017.	Bear Creek MS4s, TMDL DMAs, RBP, RRWC, TFT, Jackson SWCD, SFI, local schools, and others.	Implemented the Salmon Watch Program. Worked with partners, volunteer instructors, and contracted instructors to implement the Salmon Watch program. Activities included program coordination, logistics, and administration, advertising, and module instruction and reporting. 22 field days were held with 34 classes and 969 students. 11 field days were held with schools located in or serving the RVSS service area.
10/10/16, 1/9/17, 2/13/17, 3/13/17, 4/10/17	RRWC	Bear Creek Watershed Working Group meetings. Meetings included planning for the Kids and Creeks event and regional updates on programs of interest including TMDL, Stormwater, Stream Smart, and RBP.
5/23, 6/15	RRWC, RVSS, Gordon Elwood Foundation, Medford, Phoenix, RBP, Medford Food Co-op	Bear Creek Stewardship Day Planning meetings

Task 2: Adult Public Education and Outreach

Date(s)	Organization(s)	Notes
July-October, March-June	RRWC, RVSS, City of Medford, others	Kids and Creeks Education Fair. Worked with the Bear Creek Watershed Working Group (BCWWG), other partners, and a contracted coordinator to develop and hold the annual Kids and Creeks event. Activities included soliciting interest for the event, working with the BCWWG, reserving the venue, getting signs completed, organizing the event, advertising, getting attendees committed, and other activities. The event was scheduled for October 15th, but due to inclement weather, the event was cancelled. Began planning for fall 2017 program.
8/8/2016	Various schools	Attended the August Institute Teachers Workshop. At the workshop talked about resources, assistance, and programs offered including Salmon Watch, Kids and Creeks, resources available for loan, Stormwater, and other programs. The event also included a portion where we staffed a booth with information about resources and programs including brochures.

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

8/10/2016	Interagency Hispanic Committee	Attended the Interagency Hispanic Committee meeting to talk about volunteer opportunities including the clean up, stormwater education programs, and Stream Smart.
9/21/2016	Various.	Salmon Watch Training. Conducted training for 12 contracted and volunteer educators at Coyote Trails Nature Center. The training included a discussion of the program overall, how field days would be conducted, the role of the educators including the lead educator, and how to use each of the Salmon Watch Kits. <i>12 attendees.</i>
9/24/2016	Multiple partners including SOLVE, the Gordon Elwood Foundation, the City of Medford, and RVSS.	Bear Creek Stewardship day (Fall). This SOLVE sponsored event drew <i>60 participants</i> . Participants were provided with information about stormwater management, the importance of native vegetation and ways they can positively contribute to water quality and riparian health.
September through June 2017	RVSS, Jackson SWCD, Rogue Riverkeeper	Rogue Valley Mall Stormwater display. Worked with Rogue Valley Mall and other partners to maintain and update a cart in the mall focused on Stormwater, Water Quality, and Stream Smart activities. Information on the cart and its content was posted on the Stream Smart site and facebook site. Estimated visitors to the mall cart from October-June are 16,320. The estimate is based on staffed hours at the exhibit (people/hour visited) times when the mall is open (hours and days).
October through December	RVSS	Worked with RVSS and others to translate Stream Smart materials into Spanish (postcards and posters) and printed for use in the mall educational cart and future events.
12/2/2016	Jackson SWCD	Meeting with Jackson SWCD staff to discuss projects including stormwater.
12/8/2016	Rogue Valley Mall	Meeting with Rogue Valley Mall to discuss the plan the mall is developing with a Landscape Architect to improve the way they manage stormwater.
1/10/2017	Rogue Basin Partnership (RBP)	Met with the Rogue Basin Partnership to discuss overlapping objectives and funding related to stormwater and water quality projects primarily in the Bear Creek Basin.
2/16/17 & 3/16/17	Various	Bear Creek Clean-up planning meetings for the April 22nd Earth Day Clean up. 5 entry points are available for participants.

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

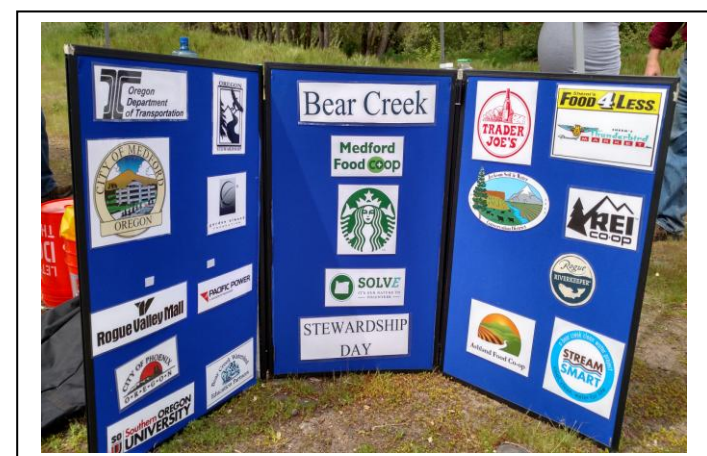
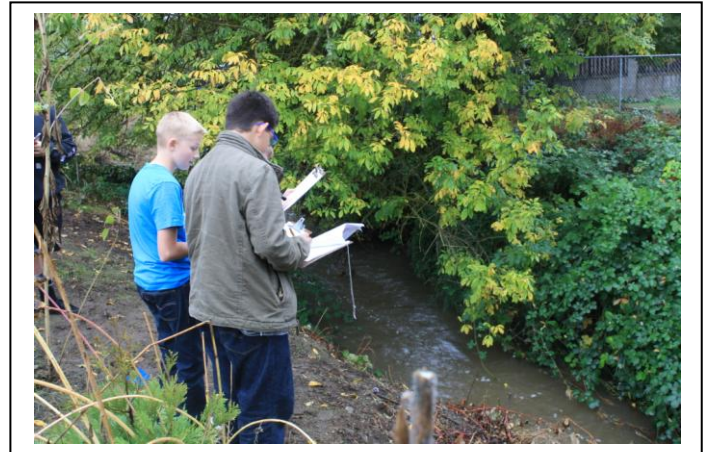
3/15/2017	RBP	Met with the Rogue Basin Partnership to discuss education and outreach programs across the Rogue Basin including the potential for support of (cash, in kind) and expansion of programs including Salmon Watch, Kids and Creeks, the Education Symposium, Stream Smart, and Clean up events.
Annually		Distributed and restocked brochures. For example, brochures were provided for the Crater High School presentation, distributed at the mall, at the RVCOG from counter, and by partners. Brochures included the Stream and Wetland Enhancement Guide, Streams in Jackson County, Yard Care, Stormwater, NOAA Salmon brochure, and the Stream Smart pledge cards and stickers.
3/24/2017	Jackson SWCD	Meeting with Jackson SWCD staff to discuss Salmon Watch. We discussed the current program 2016-2017, and the program for next year 2017-2018 and needs from the SWCD. SWCD staff has indicated preliminary support of the proposal.
April 18th and April 22nd	Various	Participated in the SOU Student Earth Day Fair (April 18th), Rogue Valley Earth Day (April 22nd), the Bear Creek Stewardship Day (April 22nd), and the Land Steward Workshop (April 22nd). Interacted with more than <i>500 people</i> at the events through booth visitation and participation in activities. Activities, posters, and other materials were updated as needed for the events to reflect a better integration with the Stream Smart Program and the target audience of the events.
June 10th, 2017	Oregon Natural Resources Education Program and Siskiyou Field Institute	Participated in the Community Partner Share portion of Meaningful Watershed Connections workshop discussing the Salmon Watch program, how it is implemented in the community, past successes, regional and statewide tie ins, and opportunities to get involved in future programs. <i>12 participants.</i>
Annually	Geocaching.com	Continued to maintain, monitor, and replenish/reestablish geocaches located throughout the MS4 area. Logged visits to the stormwater related geocache locations from July 2016 – June 2017 was <i>70 visits.</i>

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

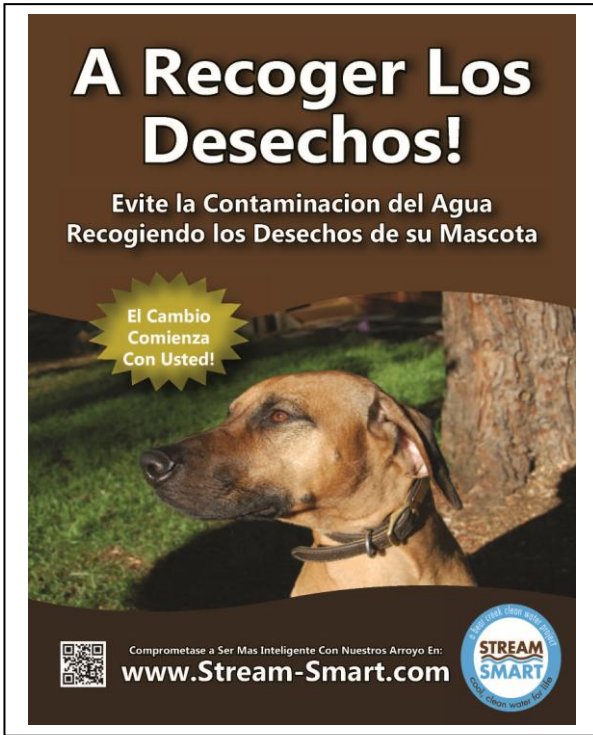
Annually	NA	Updated RVCOG's website with information and outreach materials on a number of subjects including landscaping and native species for riparian landowners. Links were updated and tied into the Stream Smart Website where appropriate. In addition, pages related to all programs including stormwater and education are being updated with the revisions to RVCOG's website.
----------	----	---

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

Activity Photos and Examples of selected deliverables



Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation



Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

Public Involvement and Participation

Task 1: Develop BMP's for Vehicle Washing

Additional research on alternatives for vehicle washing was completed. No new alternatives were identified for local fleets.

Task 2: Public Involvement Event

Public involvement for the MS4 program was achieved primarily through the community clean up events. Clean up events were held in the spring and fall and focused on cleaning up trash along Bear Creek including some storm drains. In addition to the clean up, educational information was combined with the event in some locations. In 2017, work is underway to combine the event with the Kids and Creeks Fair. Additional engagement was provided through Stream Smart Activities including the cart in the mall.

Task 3: Stormwater Advisory Team (SWAT)

RVCOG attended all quarterly SWAT meetings in 2016-2017, 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 and projected changes to the PI/PE and PO/PP control measures based on proposed changes to the general permit.

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

- Bear Creek Watershed Education Partners (a former 501c(3) organization, now just a volunteer organization)
- 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
- Cooperative Weed Management Areas in Jackson and Josephine County
- Local schools – elementary, middle school, and high school, public and private
- Oregon Natural Resources Education program
- Oregon Stewardship
- Lomakatsi Restoration Council
- North Mountain Park Nature Center
- ScienceWorks

Stormwater Activities Report 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

- Southern Oregon Education Service District
- Jackson Soil and Water Conservation District
- Rogue Riverkeeper
- Bureau of Land Management
- Medford Water Commission
- Scenic Middle School
- SOLVE
- Siskiyou Field Institute

Other tasks completed:

- Completed and submitted an application for additional funding for the Salmon Watch program. Funding was granted in mid-August. 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 and Stream Smart.
- Participated in the Rogue Basin Partnership, 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 was formed to address regional issues throughout the Rogue Basin. Activities with the working group are being coordinated with the local programs to avoid duplication of efforts.
- Maintained geocache locations related stormwater, restoration, water quality, Stream Smart signage and other water quality related features. The geocache (GC6BXGD – 27 logged visits) is located at a stormwater treatment device (Filterra Unit) and the second (GC6C28T - 40 logged visits) is located in Flanagan Park which has a rain garden, a local creek (Griffin Creek) and other features. Other geocaches are located in regional parks in a swale and a in a restoration area.
- Worked with the Rogue Basin Partnership, funding was secured through Meyer Memorial Trust to support education programs including events, Creek Clean-ups, and other programs in Jackson, Josephine, and Curry Counties.
- Worked with the OSU Land Steward Program to coordinate volunteers from the program with ongoing regional projects and activities.
- Salmon Watch - Worked with local schools to conduct before and after surveys with 2 Salmon Watch classes from Central Point.
- Salmon Watch - Completed a detailed report for the Salmon Watch program activities for the fall of 2016 (attached).
- Continued to update stormwater related information to the RVCOG website and the Stream Smart website. The RVCOG website was updated to include more interactive materials on stormwater.
- 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 2016 – 2017: Public Education and Outreach, and Public Involvement and Participation

- or replenished brochures as needed. Over 700 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.

Salmon Watch Summary Report 2016 Activities

Salmon Watch Fall 2016 Activity Report



Program Summary

In the fall of 2016, the Rogue Valley Council of Governments working on behalf of the NPDES Phase II Stormwater Communities (Phoenix, Talent, Medford, Ashland, Jackson County, and Central Point), Rogue Valley Sewer Services and local water quality programs (TMDLs) partnered with the Bear Creek Watershed Education Partners (BCWEP), Jackson Soil and Watershed Conservation District, the Rogue River Watershed Council, and others to implement another season of the Salmon Watch Program. Classes were conducted from September through November. Overall, 22 field days were conducted with 34 classes and almost 1000 students. Classes represented schools from the Bear Creek Valley, Greater Jackson County, and Josephine County. Details on the class dates, field locations, schools involved, number of students, and other information (e.g., volunteer instructors) can be found in the Table 1. 8 field days with 8 classes from Scenic Middle School were held in Central Point.

In addition to the field classes, a training was conducted in September for contracted educators and volunteer instructors. Other program activities included advertising the program, surveys, project meetings, presentations on program results, and support of applications for additional funding for the continuation of the program. RVCOG worked with Scenic Middle School (Central Point) to conduct pre and post surveys and with an intern from Crater High School to help with program logistics.

For most of the classes (except for the Scenic Middle School Classes and Willow Wind Classes), the “classic” four module model was used from the Salmon Watch Curriculum. Four instructors were assigned stations to discuss Salmon Biology/Salmon Life Cycle (station 1), water quality (station 2), macroinvertebrates (station 3), and riparian areas (station 4). Each station also had one or more activities for students to do including salmon viewing when spawning, salmon dissection, water quality testing, macroinvertebrate sampling and analysis, native plant identification, drawing riparian cross sections, and longitudinal profiles. Classes were divided up into 4 groups and rotated through the stations every 45 minutes, so every student participated in the four stations. Examples of completed activity forms are included in Appendix A.

Salmon Watch Fall 2016 Activity Report

Activity Summary

Field Days

Table 1: Fall 2016

Statistics: 22 field days, 34 classes, over 950 students reached

	<i>Date</i>	<i>Field Location</i>	<i>School</i>	<i>Number of Students</i>	<i>Number of Classes</i>	<i>Match Instructors</i>
1	28-Sep	Valley of the Rogue State Park (VRSP)	North Valley High School	50	2	Medford Water Commission
2	29-Sep	Bear Creek Park	Ruch School	25	1	RVCOG, Rogue Riverkeeper, The Freshwater Trust (TFT)
3	5-Oct	VRSP	Rogue River Elementary	60	2	Oregon Department of Fish and Wildlife (ODFW)
4	6-Oct	VRSP	Talent Outdoor School	50	2	ODFW, Rogue Valley Sewer Services (RVSS), City of Talent (Talent)
5	12-Oct	McGregor Park (MP)	Orchard Hill Elementary	25	1	ODFW, Bureau of Land Management (BLM)
6	13-Oct	VRSP	Eagle Point Middle School	75	3	RVSS, RVCOG, Bear Creek Watershed Education Partners (BCWEP)
7	17-Oct	Scenic Middle School (SMS)	SMS ¹	152	4	RVCOG
8	17-Oct	SMS	SMS	152	4	RVCOG
9	18-Oct	Hartnish Wayside	Eagle Point Middle School	75	3	RVCOG, Rogue River Watershed Council (RRWC)
10	18-Oct	SMS	SMS	1		City of Central Point (CP)
11	18-Oct	SMS	SMS	1		RVCOG
12	19-Oct	SMS	SMS	1		
13	20-Oct	SMS	SMS	1		CP
14	20-Oct	MP	Orchard Hill Elementary	25	1	BCWEP, OSU Extension, BLM
15	21-Oct	SMS	SMS	1		RVCOG
16	21-Oct	SMS	SMS	1		
17	25-Oct	BC	Ruch School and St. Mary's	50	2	Rogue Basin Partnership (RBP), BCWEP
18	28-Oct	Ashland Ponds (AP)	Willow Wind	50	2	Lomakatsi (LR), Talent
19	28-Oct	Fish Hatchery Park	Hidden Valley High	60	2	Siskiyou Field Institute, BLM, RVCOG
20	8-Nov	Willow Wind (WW)	John Muir	25	1	LR, RVCOG
21	9-Nov	WW	John Muir	45	2	LR, RVCOG
22	10-Nov	WW	Willow Wind	50	2	LR, TFT, Jackson Soil and Water Conservation District

969 34 Totals

Salmon Watch Fall 2016 Activity Report

¹ Scenic Middle School Classes. Class size varied by period, but overall there were 304 students and 8 classes. Due to the size of the class, the modules were taught 1 per day, for a total of 4 days per 152 students. Totals for SMS were 304 students, 8 field days, and 8 classes.

Other Activity:

Meetings/Presentations/Activities

August 1, 2016 – Grant Submittal

Submitted a grant to the Jackson Soil and Water Conservation District for program funding. The grant was for funding of a wide scale program to conduct 10 field days. The grant was leveraged by local MS4 (stormwater) funding and in kind partner support (module instruction, coordination, program development).

9/1/16 and 9/14/16 – Coordination Meetings

Discussed the coordination needs of the Salmon Watch program including the Salmon Watch kits, coordination of the Salmon Watch program, volunteer and paid instruction by the Salmon Watch teachers/board, restocking the kits, and the Salmon Watch training.

September 21st, 2016 – Instructor Training

Held a instructor training for potential contracted and volunteer instructors at Coyote Trails Nature Center (at U.S. Cellular Community Park in Medford). The instruction addressed lead instructors, organization/logistics for field days, background on Salmon and water quality, what is in the kits, checking out the kits, and other logistics. The class included a presentation on salmon by RVCOG and module instruction by RVCOG. A copy of the agenda and information from the instructor training is attached.

June 10th, 2017 – Meaningful Watershed Connections Workshop at Siskiyou Field Institute

Participated in the Community Partner Share portion of workshop discussing the Salmon Watch program, how it is implemented in the community, past successes, regional and statewide tie ins, and opportunities to get involved in future programs.

July 1, 2016 - June 30th, 2017 – Statewide Coordination

Worked with the World Salmon Council (Portland) on beginning to coordinate Salmon Watch efforts statewide. Currently, there are a number of different programs including Portland, Bend, Roseburg, and Eugene/Springfield that are working independently or in loose collaborations. The WSC is evaluating ways to coordinate the programs to better leverage resources, expand programs, and provide support to existing programs.

May and June 2017 – Fall 2017 preparation

Salmon Watch Fall 2016 Activity Report

Worked with RVSS, previous volunteer instructors, previous contract instructors, BLM, and others to begin preparation for the program in the Fall of 2017.

Surveys

Surveys were used to evaluate what students learned in the program. The survey was given to students before and after the program. A copy of the survey is attached in Appendix B.

Survey Results- Student Surveys

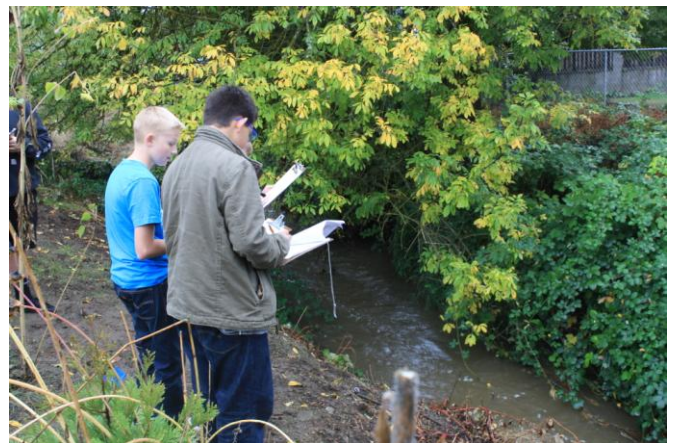
Students were scored on 10 questions given to Scenic Middle School students (8th graders) pre and post the field days. Results were compiled from randomly selected respondents in several classes. Average scores pre test were 2.12. Scores increased to an average of 6.28 in the pre-test, which is an almost 200% increase in the scores (196%).

Next Steps/Recommended Program Changes

- Continue to work with MS4s, DMAs, and other partners to continue the program in 2017 and beyond.
- Work with regional (e.g., Rogue Basin Partnership, Lower Rogue Watershed Council) and statewide groups (e.g., World Salmon Council) to expand the program in the Rogue Basin and tie in with statewide programs.
- Integrate the Salmon Watch Program into a larger program (e.g., Stream Smart) to assist with long term funding needs. Salmon Watch was added as a program under Stream Smart in 2016.
- Create additional resources. Specifically, a second riparian kit and salmon biology kit.
- Refine the student survey/create a second survey that is more age appropriate for younger kids (elementary schoolers).
- Re-establish sites that have been previously used for the program (e.g., Cantral Buckley Park) and/or establish new field locations.
- Establish permanent locations for the modules at the established field locations.
 - Map locations of sites
 - Flag areas and/or map locations of the class layouts for each field site

Salmon Watch Fall 2016 Activity Report

Program Photos



Salmon Watch Fall 2016 Activity Report



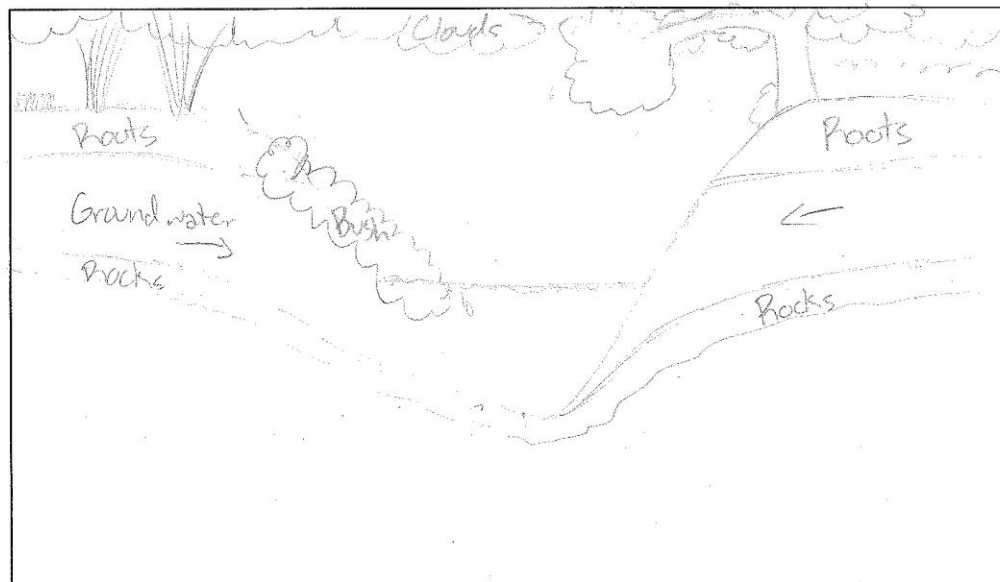
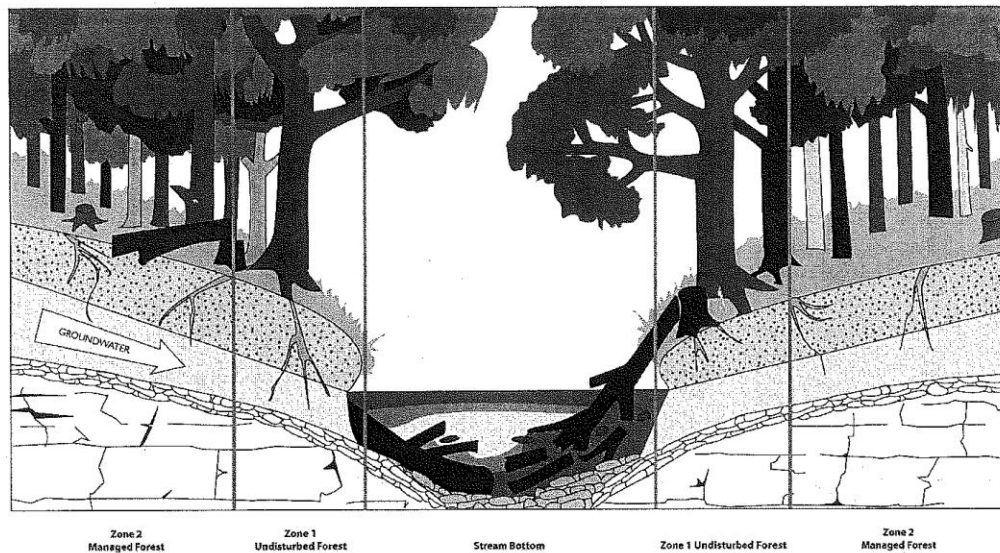
Salmon Watch Fall 2016 Activity Report

Appendix A: Example Activity Forms

RIPARIAN AREA PROFILE DATA FORM

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

Figure 2



Salmon Watch Fall 2016 Activity Report



Salmon Watch®

RIPARIAN AREA MAPPING DATA FORM

School: Scientific Middle School

Teacher: Mr. Grover

Date: 10/21/16 Time: 11:27 am

Weather: partly cloudy

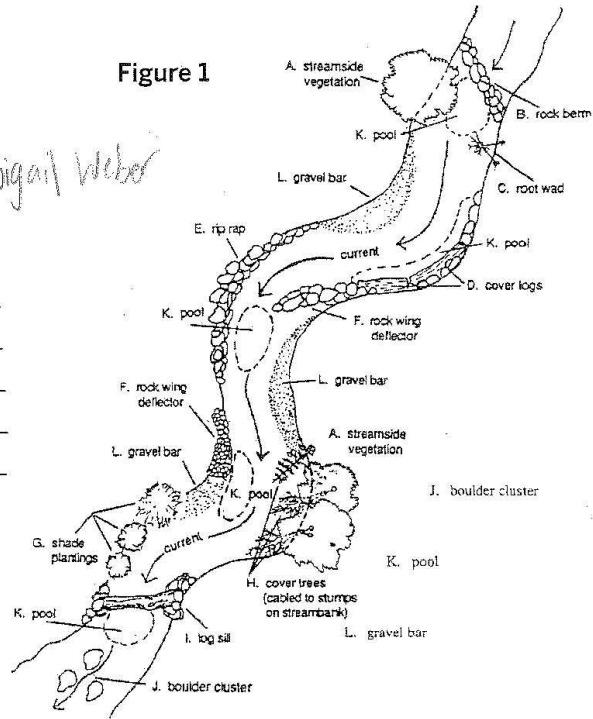
Stream/Site Name: Griffen creek

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

Turn over for profile activity. →

Abigail Weber

Figure 1



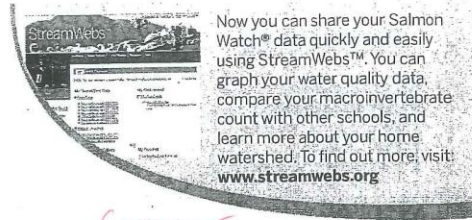
Salmon Watch Fall 2016 Activity Report



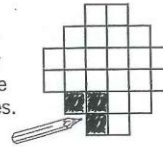
Salmon Watch®

CANOPY COVER DATA FORM

School: Scenic Teacher: Grover
 Date: 10-21-16 Time: 2:35 Weather: Cloudy
 Stream/Site Name: Griffin Creek



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



	A	B			
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

North

Shaded Boxes 11

	A	B			
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

East

Shaded Boxes 6

	A	B			
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

South

Shaded Boxes 6

	A	B			
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

West

Shaded Boxes 11

11 + 6 + 6 + 11 = 36 Estimated % Canopy

Salmon Watch Fall 2016 Activity Report

Appendix C: Survey Form

Salmon Watch Pre and Post Survey 2016 - 2017

School _____ Date: _____

Teacher _____ Grade: _____

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

Is this the first time you have taken this test? Yes (pre) or No (post)

1. Which watershed is your school in?

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

2. What is a storm drain?

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

3. Where do storm drains empty?

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

4. Where does water and other materials that enter Bear Creek end up?

Salmon Watch Fall 2016 Activity Report

Salmon Watch Pre and Post Survey 2016 - 2017

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

6. List 3 things (or conditions) salmon need in their habitat.

a. _____

b. _____

c. _____

7. List 3 things people can do to keep streams clean and protect water quality:

a. _____

b. _____

c. _____

8. What is a "riparian area?"

9. List 2 ways healthy riparian areas protect water quality:

a. _____

b. _____

10. List 2 ways macroinvertebrates are important to scientists and the ecosystem.

a. _____

b. _____

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

1 YES! 2. A little 3. Not really 4. Not at all!

12. If you had a chance, would you share with a friend or neighbor something you know about how to keep riparian areas healthy? (circle one) YES NO MAYBE