

Tualatin River WC Work Plan for 07/01/2015 - 06/30/2017	
Date Adopted	2/4/2015
Watershed Limiting Factor(s)	Habitat Access - Impaired access to habitat; Hydrograph/water quantity - Altered hydrology; Knowledge Gaps - Lack of Information; Physical habitat quality - Altered quality of physical habitat; Water Quality -Altered physical, chemical, or biological water characteristics.
Watershed Source Document(s)	Tualatin River Watershed Technical Supplement (1998) Gales Creek Watershed Assessment (1998) Dairy-McKay Watershed Analysis (1999) Upper Tualatin-Scoggins Watershed Analysis (2000) Middle Tualatin-Rock Creek Watershed Analysis (2001) Lower Tualatin Watershed Analysis (2001) Lower Gales Creek Habitat Enhancement Plan (2003) Lower Gales Creek Enhancement Planning Geomorphic Assessment, Technical Study, (2006) Lower Gales Creek Enhancement Plan Knotweed and Ivy Mapping and Report (2006) Gales Creek Large Woody Debris Inventory Report (2006) Tualatin Basin stream matrix (2006) Evaluation of removal of selected road fills and adding large wood to West Fork Dairy Creek (2007) Willamette Basin Restoration Priorities (2005) Tualatin River Rapid Bio-Assessment 2013, Final Report
Organizational Limiting Factor(s)	Board capacity development; Board skill development; Lack of Knowledge; Staff capacity development; Training
Organizational Source Document(s)	TRWC Vision (1996) TRWC Mission (1996) TRWC Bylaws (2003) TRWC Operating Procedures (2003, amended 2012) TRWC Strategic Plan(2008)
Watershed Action Plan(s)	Tualatin River Watershed Action Plan (1999)

Project Category: Community Engagement (outreach and education)			
Project Title	Community Outreach	OWEB Grant #	212-037
Responsible Parties	Coordinator/Executive Director	Priority	High

Project Description	TRWC serves an area of 400,000 acres, of which over 75% is in private ownership. It is a 4th field watershed with a growing population of approximately 500,000. The demographics of the area are changing rapidly as more people from other cultures call the basin home. TRWC uses a number of different venues to educate its citizens about the watershed and the environmental challenges that it faces. It shares what TRWC does and what the citizens can do to improve conditions in the watershed. It is very important to TRWC that the economic vitality of the watershed is maintained while the environmental conditions are improved. TRWC shares its project monitoring results at Council meetings and the website. As a result of the outreach TRWC is asked to provide resources to private landowners.	In Council Action Plan	Yes
Key Partners	OWEB, TRWC stakeholders, Bureau of Reclamation, Clackamas County SWCD, NW OR Restoration Partnership		
Limiting Factor(s)	Staff capacity development, Board capacity development, Lack of Knowledge, Training		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	Engaging the public that isn't already aware of the environmental assets and problems in the basin. TRWC participates in multiple opportunities to fill the knowledge gap that exists. TRWC only has a staff of one and its members have limited time to devote to TRWC.		
Opportunities	Recruitment of future TRWC board members and volunteers will enhance board and staff capacity. Increase the number of Tualatin Basin residents that understand the importance of using healthy watershed practices and make them aware of techniques that they can employ to improve watershed conditions. Identification of potential future projects that landowners would like to do in the basin. There are opportunities to form partnerships with other organizations to increase outreach to the residents regarding healthy watershed practices.		

Planned Deliverables	<p>The Council holds 12 monthly meetings focusing on the following: projects, educational opportunities, and issues impacting the basin. Council meetings facilitate public participation on watershed issues. One off site meeting per year will include dinner and a tour to provide a less formal setting for board members and the public to interact. The website is updated on at least a monthly basis. TRWC will provide native shrubs and trees to landowners in the basin who are working on their individual restoration projects. TRWC reports its project monitoring results at TRWC meetings to demonstrate how these projects achieve watershed objectives over time. TRWC hosts community meetings to share results from projects conducted in or near that community.</p> <p>Development and posting of 2013-15 TRWC biennial report. Provide new board members with an orientation to TRWC. TRWC stakeholders will provide input on regulation development that will affect the basin.</p>		
Update Date	6/17/2016	% Complete	60% - Implementation in progress
Challenges	<p>Engaging the public that isn't already aware of the environmental assets and problems in the basin. TRWC participates in multiple opportunities to fill the knowledge gap that exists. TRWC only has a staff of one and its members have limited time to devote to TRWC.</p>		
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Deliverables Achieved	<p>Council holds 12 monthly meetings between July 2015 and June 2016 that are open to the public that focused on capacity building (5 meetings), two tours of projects, and 5 meetings that covered stakeholder projects and council project overviews.</p> <p>Hosted an public meeting to present the results of the 2014 Rapid Bio Assessment in May 2015. About 40 people attended.</p> <p>Provided 1,350 plants for landowners for their restoration projects</p> <p>Update the website on a least a monthly basis</p> <p>Completed 2013-2014 Annual Report and a 2014-2015 Annual Report and posted them both on the website.</p>		

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Deliverables Achieved	<p>Council holds 12 monthly meetings between July 2015 and June 2016 that are open to the public that focused on capacity building (5 meetings), two tours of projects, and 5 meetings that covered stakeholder projects and council project overviews.</p> <p>Hosted an public meeting to present the results of the 2014 Rapid Bio Assessment in May 2015. About 40 people attended.</p> <p>Provided 1,350 plants for landowners for their restoration projects</p> <p>Update the website on a least a monthly basis</p> <p>Completed 2013-2014 Annual Report and a 2014-2015 Annual Report and posted them both on the website.</p>		

Project Category: Community Engagement (outreach and education)			
Project Title	Gales Creek Landowner Outreach and Project Development	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	TRWC is focusing on the Gales Creek watershed for education, outreach and watershed enhancement. Gales Creek is the only Tualatin Basin sub-basin recognized as federal critical habitat for winter steelhead trout. TRWC completed the Gales Creek Sub-Basin Restoration Action Plan, April 2015 (posted on our website) and has and will continue with its partners to meet with Gales Creek landowners who are interested in riparian, wetlands and upland enhancements. TRWC and its partners will identify programs and/or resources that can aid landowners in enhancement projects	In Council Action Plan	No
Key Partners	Bureau of Reclamation, TSWCD, TRWC partners, ODFW		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	6/28/2016	% Complete	5-30% - Conceptual/ Planning/Submitting Grant application
Challenges	Finding ways to connect with landowners whose lands could result in beneficial and high ranking projects and who have interest in partnerships to implement such projects. Identifying and matching the timing of funding resources with landowner interest.		
Opportunities	Collaboration with TRWC partners and Gales Creek landowners in development and implementation of high priority projects. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration and the hydrology, water quality and physical habitat will be improved.		
Planned Deliverables	: Development of enhancement projects with willing landowners resulting in implementation of projects that address limiting factors identified in the Gales Creek Sub-Basin Restoration Action Plan.		

Project Category: Community Engagement (outreach and education)			
Project Title	Tualatin Basin Tours	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project engages Tualatin Basin residents and TRWC partners by providing tours of restoration projects to a) provide information about Tualatin Basin resource challenges; b) encourage residents and landowners to undertake projects and share project information and needed expertise; c) share results of implemented restoration projects with Tualatin Basin residents; and d)inform Tualatin Basin residents about TRWC activities and projects.	In Council Action Plan	Yes
Key Partners	City of Tigard, Clean Water Services, TRWC stakeholder groups, Tualatin Basin residents		
Limiting Factor(s)	Staff capacity development, Board capacity development, Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	Annual council activity
Challenges	Identification and recruitment of Tualatin Basin residents and landowners and TRWC partners to participate in tours. Sufficient, energetic and knowledgeable staff, board members and volunteers to lead tours. Funding for transportation or volunteers to drive.		
Opportunities	Recruitment of future TRWC board members and volunteers will enhance board and staff capacity. Increase the number of Tualatin Basin residents that understand the importance of using healthy watershed practices and make them aware of techniques that they can employ to improve watershed conditions. Identification of potential future projects that landowners would like to do in the basin. As the projects are developed and implemented the water quality and physical habitat will be improved. It also provides the TRWC with an opportunity to work with other organizations to increase tour participation.		
Planned Deliverables	Working with partners, we plan to offer a homeowners association (HOA) tour yearly. Planning to qualify a board member to drive Ride Share vehicles to eliminate the need to pay for tour transportation.		

Update Date	6/17/2016	% Complete	60% - Implementa tion in progress
Challenges	Identification and recruitment of Tualatin Basin residents and landowners and TRWC partners to participate in tours. Sufficient, energetic and knowledgeable staff, board members and volunteers to lead tours. Funding for transportation or volunteers to drive. Our past HOA projects were funded by OWEB small grants that have a two year implementation period. There is currently discussion in the basin of using other funding sources to increase implementation to five year period.		
Opportunities	Recruitment of future TRWC board members and volunteers will enhance board and staff capacity. Increase the number of Tualatin Basin residents that understand the importance of using healthy watershed practices and make them aware of techniques that they can employ to improve watershed conditions. Identification of potential future projects that landowners would like to do in the basin. As the projects are developed and implemented the water quality and physical habitat will be improved.		
Deliverables Achieved	No Homeowners Association (HOA) tours scheduled in 2015 or 2016. We are working with one of our stakeholders to determine the best way to recruit HOAs for future for enhancement projects and how to fund and implement the projects. Currently TRWC working with the stakeholder and an HOA to test this new concept.		

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Project Category: Community Engagement (outreach and education)			
Project Title	Tualatin Basin Training Courses	OWEB Grant #	
Responsible Parties	Partner	Priority	High
Project Description	This project involves partnered training and courses with various Tualatin Basin populations that include providing baseline information, learning about watersheds and watershed practices. Training Courses include spawning survey training; Tualatin Basin Early Detection Rapid Response Invasive Plant species workshops; and residential landscaping workshops using native plants.	In Council Action Plan	Yes
Key Partners	ODFW, PSU, Clean Water Services, TSWCD, TBPAC		
Limiting Factor(s)	Staff capacity development, Board capacity development, Lack of Knowledge, Training, Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	Recruitment of volunteers and residents to participate in the courses and training and to follow through with data collection activities.		
Opportunities	Recruitment of future TRWC board members and volunteers that will enhance staff and board capacity. Increased number of Tualatin Basin residents who will adapt their behaviors after learning about healthy watershed practices. Recruitment of future watershed advocates. Identification of potential future restoration projects through meeting concerned landowners by informing them about available resources to do restoration work. Learn more about where the salmon are spawning in the basin and encourage them to continue spawning surveying in future years at the same sites.		
Planned Deliverables	Trainings include spawning surveys; Tualatin Basin Early Detection Rapid Response invasive plant species workshops; and residential landscaping workshops.		
Update Date	6/17/2016	% Complete	60% - Implementation in progress
Challenges	Recruitment of volunteers and residents to participate in the courses and training and to follow through with data collection activities.		

<p>Opportunities</p>	<p>Recruitment of future TRWC board members and volunteers that will enhance staff and board capacity. Increased number of Tualatin Basin residents who will adapt their behaviors after learning about healthy watershed practices. Recruitment of future watershed advocates. Identification of potential future restoration projects through meeting concerned landowners by informing them about available resources to do restoration work. Learn more about where the salmon are spawning in the basin and encourage them to continue spawning surveying in future years at the same sites.</p>		
<p>Deliverables Achieved</p>	<p>Spawning Survey: Eleven people participated in 2015 survey training. Ten people participated in 2016 survey training. Tualatin Basin Early Detection, Rapid Response invasive plant species workshop: 65 people participated in 2015 and 110 people participated in 2016. Student Watershed Research Project, October 2014, class of 30 at Rippling Waters and ODF Gales Creek Campground Residential landscaping workshop In 2015 there were 34 people that participated and no workshops were held in spring of 2016. Currently discussing doing an urban beaver benefits workshop in 2017</p>		

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Responsible Parties	Partner	Priority	High
Project Description	This project involves partnered training and courses with various Tualatin Basin populations that include providing baseline information, learning about watersheds and watershed practices. Training Courses include spawning survey training; Tualatin Basin Early Detection Rapid Response Invasive Plant species workshops; and residential landscaping workshops using native plants.	In Council Action Plan	Yes
Key Partners	ODFW, PSU, Clean Water Services, TSWCD, TBPAC		
Limiting Factor(s)	Staff capacity development, Board capacity development, Lack of Knowledge, Training, Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	Ongoing council activity
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Project Category: Organizational Development and Management			
Project Title	Council Capacity	OWEB Grant #	212-037
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The governing body of TRWC is the Steering Committee; it oversees and approves the day-to-day workings of the Council either at its monthly meetings or by emails and phone calls. TRWC will use its biennial council self evaluation to improve TRWC operations. In 2014, Barney Worth was hired to prepare a Marketing and Funding Strategy for TRWC. The committee works to develop partnerships with its stakeholder groups and to increase the level of participation in the three other TRWC committees (Restoration & Enhancement, Issues, and Education & Outreach). These committees were developed to assist with planning and implementation of TRWC Action Plan.	In Council Action Plan	No
Key Partners	TRWC stakeholders, OWEB		
Limiting Factor(s)	Staff capacity development, Board capacity development, Board skill development		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	TRWC is a volunteer organization with one paid staff. Most of the stakeholders represent other organizations so there are many demands on their time. Funding is difficult due to competition for funds and lack of resources (personnel) to go after them.		
Opportunities	TRWC increases staff capacity and board capacity through recruitment of stakeholders with skills and interests that matches the needs of TRWC. TRWC forms partnerships with like minded organizations to share resources as well as successes and challenges.		

Planned Deliverables	The Steering Committee (TRWC officers, staff and rotating stakeholder) meets monthly and will implement the results of the March 2015 Council Self Evaluation to continuously improve council performance. The other TRWC committees a) Restoration b) Education c) Issues and d) Capacity Building meet monthly or bi-monthly as needed to meet their goals. The Capacity Building Committee will implement the June 2014 Marketing and Funding Strategy report with the goal of increasing staff capacity. The Coordinator and TRWC officers attend workshops and conferences to increase their knowledge and skills. TRWC is planning a facilitated Board retreat that will focus on identifying and applying board member skills to enhance TRWC efforts. TRWC insures Washington County Commissioners' support by providing them with yearly TRWC update		
Update Date	6/17/2016	% Complete	60% - Implementation in progress
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Opportunities	TRWC increases staff capacity and board capacity through recruitment of stakeholders with skills and interests that matches the needs of TRWC. TRWC forms partnerships with like minded organizations to share resources as well as successes and challenges.		
Deliverables Achieved	Steering committee met monthly between 7 2015 and 6 2016. The Steering Committee consists of the Coordinator, TRWC officers and a roving stakeholder. It is open to any stakeholders who wish to attend. Restoration Committee met 5 times and focus on future restoration plans Education and Outreach Committee met 5 times and focused on the outreach events in which the Council participates, designed and produced the annual reports. Issues Committee met 6 times to develop and submit the TRWC letter of interest for the OWRD IWRS Place-Based Planning New Committee is the Capacity Committee which meet 3 times and are focusing on a multi-year plan to build capacity to meet expanded goals in restoration, meaningful forums, and outreach and service to underserved communities. Goals to be accomplished through the addition of one full-time staff member paid through a variety of funding strategies.		

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Project Category: Planning			
Project Title	2014 Tualatin Tributary Rapid Bio-Assessments	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Fish population and habitat condition data including fish passage barrier assessment are lacking in the various Tualatin sub-basins. This project gathered and analyzed information through rapid bioassessment (RBA) surveys which provided data on juvenile fish population, identification of rearing locations, habitat conditions including passage barriers on up to 75 miles in Gales Creek, and East Fork, Dairy Creek (replication of 2013 work for quality control purposes) and up to 37 miles in Rock Creek, Chicken Creek, and McFee Creek. Temperature data was also collected.	In Council Action Plan	Yes
Key Partners	Clean Water Services,Bio-Surveys, LLC		
Limiting Factor(s)	Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	85% - Report writing/data analysis/project evaluation
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		
Opportunities	Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2015 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.		
Planned Deliverables	Data will be used to identify potential projects in these sub-basins during 2015-17. Depending on the location of the potential project, funding will likely be sought from either Bureau of Reclamation or OWEB.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		

<p>Opportunities</p>	<p>Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2015 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.</p>		
<p>Deliverables Achieved</p>	<p>Final Report, presentation, and maps are posted on the TRWC website. May 2015 public presentation to 40 interested landowners and residents. This work was incorporated into the Gales Creek Sub-basin Action Plan. A list of early action plans was developed. The first project selected from the list is the Gales Creek / Clear Creek Confluence project that we are currently seeking funding to implement. TRWC stakeholders are using this information to support their project activities.</p>		

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Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		
Opportunities	Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2015 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.		
Planned Deliverables	Data will be used to identify potential projects in these sub-basins during 2015-17. Depending on the location of the potential project, funding will likely be sought from either Bureau of Reclamation or OWEB.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		

<p>Opportunities</p>	<p>Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2015 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.</p>		
<p>Deliverables Achieved</p>	<p>Final Report, presentation, and maps are posted on the TRWC website. May 2015 public presentation to 40 interested landowners and residents. This work was incorporated into the Gales Creek Sub-basin Action Plan. A list of early action plans was developed. The first project selected from the list is the Gales Creek / Clear Creek Confluence project that we are currently seeking funding to implement. TRWC stakeholders are using this information to support their project activities.</p>		

Project Category: Planning			
Project Title	Dairy-McKay sub-basin private lands culvert surveys	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Limited information is available on fish passage barriers located on privately owned lands in the Dairy-McKay sub-basin. This project uses grant monies to train paid interns to identify potential barriers using LIDAR, contact private landowners for permission to access culvert stream crossings, and to survey to assess culverts and habitat. Interns and TRWC members will analyze collected data to prepare a prioritization of culverts surveyed. The product will be a Dairy-McKay private lands fish passage assessment, prioritization information on barriers and a prioritized project list.	In Council Action Plan	Yes
Key Partners	Bureau of Land Management, Clean Water Services, Washington County, Pacific University		
Limiting Factor(s)	Habitat Access - Impaired access to habitat, Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Inability to survey all potential stream culvert crossings due to unwillingness of or lack of response from landowners to allow access to culvert stream crossings. Prioritized culvert replacement list may be limited because of lack of access to culvert stream crossings.		
Opportunities	Collaboration with TRWC partners to contact Dairy-McKay landowners for permission to access their land to obtain needed data. Identification of Dairy-McKay landowner partners for future fish passage barrier culvert replacement projects.		
Planned Deliverables	Additional culverts that were identified in the rapid bioassessment (RBA) surveys will be included in the 2015 survey work plan. Complete surveys on previously identified culverts and the new ones from the RBA will be performed in summer 2015, with final report expected in December 2015.		
Update Date	6/17/2016	% Complete	60% - Implementation in progress

Challenges	Inability to survey all potential stream culvert crossings due to unwillingness of or lack of response from landowners to allow access to culvert stream crossings. Prioritized culvert replacement list may be limited because of lack of access to culvert stream crossings.		
Opportunities	Collaboration with TRWC partners to contact Dairy-McKay landowners for permission to access their land to obtain needed data. Identification of Dairy-McKay landowner partners for future fish passage barrier culvert replacement projects.		
Deliverables Achieved	Summer 2015 work integrated the 2013 and 2014 Rapid Bio Assessment work into the culvert survey data base. No on the ground survey work was done in 2015. In 2016 the final selected culverts will be surveyed and the report, that will include prioritization of surveyed culverts, will be done by December 2016.		

Project Category: Planning			
Project Title	Dairy-McKay sub-basin private lands culvert surveys	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Limited information is available on fish passage barriers located on privately owned lands in the Dairy-McKay sub-basin. This project uses grant monies to train paid interns to identify potential barriers using LIDAR, contact private landowners for permission to access culvert stream crossings, and to survey to assess culverts and habitat. Interns and TRWC members will analyze collected data to prepare a prioritization of culverts surveyed. The product will be a Dairy-McKay private lands fish passage assessment, prioritization information on barriers and a prioritized project list.	In Council Action Plan	Yes
Key Partners	Bureau of Land Management, Clean Water Services, Washington County, Pacific University		
Limiting Factor(s)	Habitat Access - Impaired access to habitat, Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Inability to survey all potential stream culvert crossings due to unwillingness of or lack of response from landowners to allow access to culvert stream crossings. Prioritized culvert replacement list may be limited because of lack of access to culvert stream crossings.		
Opportunities	Collaboration with TRWC partners to contact Dairy-McKay landowners for permission to access their land to obtain needed data. Identification of Dairy-McKay landowner partners for future fish passage barrier culvert replacement projects.		
Planned Deliverables	Additional culverts that were identified in the rapid bioassessment (RBA) surveys will be included in the 2015 survey work plan. Complete surveys on previously identified culverts and the new ones from the RBA will be performed in summer 2015, with final report expected in December 2015.		
Update Date	6/17/2016	% Complete	60% - Implementation in progress

Challenges	Inability to survey all potential stream culvert crossings due to unwillingness of or lack of response from landowners to allow access to culvert stream crossings. Prioritized culvert replacement list may be limited because of lack of access to culvert stream crossings.		
Opportunities	Collaboration with TRWC partners to contact Dairy-McKay landowners for permission to access their land to obtain needed data. Identification of Dairy-McKay landowner partners for future fish passage barrier culvert replacement projects.		
Deliverables Achieved	Summer 2015 work integrated the 2013 and 2014 Rapid Bio Assessment work into the culvert survey data base. No on the ground survey work was done in 2015. In 2016 the final selected culverts will be surveyed and the report, that will include prioritization of surveyed culverts, will be done by December 2016.		

Project Category: Planning			
Project Title	Gales Creek Restoration Action Planning	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The Gales Creek sub-basin is federally designated critical habitat for winter steelhead trout has been and is a focus of TRWC restoration work. This project will enable TRWC to obtain a better understanding of this sub-basin's watershed dynamics and result in effective project development and choices using limited restoration dollars. TRWC will prepare a Gales Creek Restoration Action Plan through a process that includes a) analysis existing Gales Creek information and identify critical data gaps; b) prepare limiting factors analysis based on Gales Creek data; c) identify Reach Scale Restoration Actions based on limiting factors analysis; d) develop a Gales Creek Project Prioritization and Restoration Plan. Expected report completion date is 4/30/15.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Clean Water Services, Washington County, ODFW		
Limiting Factor(s)	Lack of Knowledge, Hydrograph/water quantity - Altered hydrology, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics., Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	85% - Report writing/data analysis/project evaluation
Challenges	Identify willing landowners to implement the highest ranking projects. Matching the timing of funding resources with landowner interest. TRWC may need to obtain OWEB technical assistance grants to prepare specific restoration project plans.		
Opportunities	Collaboration with TRWC partners and Gales Creek landowners in development and implementation of high priority projects. This will fill many knowledge gaps in the basin. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration and the hydrology, water quality and physical habitat will be improved.		

Planned Deliverables	The Gales Creek Project Prioritization and Restoration Action Plan will be completed April 2015. The Action Plan compiled existing and new information on water quality, quantity and habitat to facilities the development and prioritization of stream reach projects that address these limiting factors. The final report for the grant is due on this project in July 2015. Following a spring 2015 landowner meeting, identified projects will be evaluated, and interested landowners will be contacted to develop plans for these projects. Grant funding will be sought to implement the projects.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Identify willing landowners to implement the highest ranking projects. Matching the timing of funding resources with landowner interest. TRWC may need to obtain OWEB technical assistance grants to prepare specific restoration project plans.		
Opportunities	Collaboration with TRWC partners and Gales Creek landowners in development and implementation of high priority projects. This will fill many knowledge gaps in the basin. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration and the hydrology, water quality and physical habitat will be improved. Met with interested landowners April 2015 to discuss plan. Currently meeting with landowners to discuss potential projects.		
Deliverables Achieved	Completion and posting on our website of the Gales Creek Sub-Basin Restoration Action Plan, April 2015. Currently seeking funding for Clear Creek and Gales Creek confluence project implementation funding from OWEB to compliment BOR funding.		

Project Category: Planning			
Project Title	Gales Creek Restoration Action Planning	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The Gales Creek sub-basin is federally designated critical habitat for winter steelhead trout has been and is a focus of TRWC restoration work. This project will enable TRWC to obtain a better understanding of this sub-basin's watershed dynamics and result in effective project development and choices using limited restoration dollars. TRWC will prepare a Gales Creek Restoration Action Plan through a process that includes a) analysis existing Gales Creek information and identify critical data gaps; b) prepare limiting factors analysis based on Gales Creek data; c) identify Reach Scale Restoration Actions based on limiting factors analysis; d) develop a Gales Creek Project Prioritization and Restoration Plan. Expected report completion date is 4/30/15.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Clean Water Services, Washington County, ODFW		
Limiting Factor(s)	Lack of Knowledge, Hydrograph/water quantity - Altered hydrology, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics., Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	85% - Report writing/data analysis/project evaluation
Challenges	Identify willing landowners to implement the highest ranking projects. Matching the timing of funding resources with landowner interest. TRWC may need to obtain OWEB technical assistance grants to prepare specific restoration project plans.		
Opportunities	Collaboration with TRWC partners and Gales Creek landowners in development and implementation of high priority projects. This will fill many knowledge gaps in the basin. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration and the hydrology, water quality and physical habitat will be improved.		

Planned Deliverables	The Gales Creek Project Prioritization and Restoration Action Plan will be completed April 2015. The Action Plan compiled existing and new information on water quality, quantity and habitat to facilities the development and prioritization of stream reach projects that address these limiting factors. The final report for the grant is due on this project in July 2015. Following a spring 2015 landowner meeting, identified projects will be evaluated, and interested landowners will be contacted to develop plans for these projects. Grant funding will be sought to implement the projects.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Identify willing landowners to implement the highest ranking projects. Matching the timing of funding resources with landowner interest. TRWC may need to obtain OWEB technical assistance grants to prepare specific restoration project plans.		
Opportunities	Collaboration with TRWC partners and Gales Creek landowners in development and implementation of high priority projects. This will fill many knowledge gaps in the basin. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration and the hydrology, water quality and physical habitat will be improved. Met with interested landowners April 2015 to discuss plan. Currently meeting with landowners to discuss potential projects.		
Deliverables Achieved	Completion and posting on our website of the Gales Creek Sub-Basin Restoration Action Plan, April 2015. Currently seeking funding for Clear Creek and Gales Creek confluence project implementation funding from OWEB to compliment BOR funding.		

Project Category: Planning			
Project Title	Tualatin Basin HOA natural area restoration projects	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Homeowners associations (HOA) in the Tualatin Basin frequently own urban natural areas of riparian, uplands and wetlands habitat, but lack knowledge about the benefits of restoring these areas for improving Tualatin Basin watershed health and/or the expertise to undertake such projects. In June 2012, TRWC and its partners, Clean Water Services and City of Tigard started organizing tours and inviting targeted HOAs to participate in the tours. The HOAs are encouraged to partner with TRWC to submit OWEB small grant applications. The grants will assist in funding HOA natural area restoration projects with TRWC and its members providing plant materials, technical assistance and other aid as needed. The HOAs need to identify additional HOA funding to continue the maintenance and monitoring needed after the grant is complete.	In Council Action Plan	Yes
Key Partners	Homeowners associations, Clean Water Services, City of Tigard, Community volunteers		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	Identifying HOA board members and other HOA members who perceive the mutual benefits of these projects. Commitments that HOA have reserved funding for ongoing maintenance beyond the two year grant term.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and ongoing monitoring and maintenance. Greater understanding by HOA members of stream and natural resources processed. Use of restoration sites, both in process and in monitoring phases for site tours for future HOA tours to recruit and encourage other HOAs to initiate and implement restoration on their own HOA natural areas. After the projects implemented habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Identification of committed two to three HOA who want to and have the resources to implement a restoration project in their HOA natural area. These partnerships will prepare and apply for OWEB small grant funding.		

Update Date	6/17/2016	% Complete	Project canceled
Challenges	Identifying HOA board members and other HOA members who perceive the mutual benefits of these projects. Commitments that HOA have reserved funding for ongoing maintenance beyond the two year grant term.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and ongoing monitoring and maintenance. Greater understanding by HOA members of stream and natural resources processed. Use of restoration sites, both in process and in monitoring phases for site tours for future HOA tours to recruit and encourage other HOAs to initiate and implement restoration on their own HOA natural areas. After the projects implemented habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	This project became the current OWEB Small Grants, Murrayhill II and Bonita Townhomes.		

Project Category: Planning			
Project Title	Tualatin Basin HOA natural area restoration projects	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Homeowners associations (HOA) in the Tualatin Basin frequently own urban natural areas of riparian, uplands and wetlands habitat, but lack knowledge about the benefits of restoring these areas for improving Tualatin Basin watershed health and/or the expertise to undertake such projects. In June 2012, TRWC and its partners, Clean Water Services and City of Tigard started organizing tours and inviting targeted HOAs to participate in the tours. The HOAs are encouraged to partner with TRWC to submit OWEB small grant applications. The grants will assist in funding HOA natural area restoration projects with TRWC and its members providing plant materials, technical assistance and other aid as needed. The HOAs need to identify additional HOA funding to continue the maintenance and monitoring needed after the grant is complete.	In Council Action Plan	Yes
Key Partners	Homeowners associations, Clean Water Services, City of Tigard, Community volunteers		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	Identifying HOA board members and other HOA members who perceive the mutual benefits of these projects. Commitments that HOA have reserved funding for ongoing maintenance beyond the two year grant term.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and ongoing monitoring and maintenance. Greater understanding by HOA members of stream and natural resources processed. Use of restoration sites, both in process and in monitoring phases for site tours for future HOA tours to recruit and encourage other HOAs to initiate and implement restoration on their own HOA natural areas. After the projects implemented habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Identification of committed two to three HOA who want to and have the resources to implement a restoration project in their HOA natural area. These partnerships will prepare and apply for OWEB small grant funding.		

Update Date	6/17/2016	% Complete	Project canceled
Challenges	Identifying HOA board members and other HOA members who perceive the mutual benefits of these projects. Commitments that HOA have reserved funding for ongoing maintenance beyond the two year grant term.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and ongoing monitoring and maintenance. Greater understanding by HOA members of stream and natural resources processed. Use of restoration sites, both in process and in monitoring phases for site tours for future HOA tours to recruit and encourage other HOAs to initiate and implement restoration on their own HOA natural areas. After the projects implemented habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	This project became the current OWEB Small Grants, Murrayhill II and Bonita Townhomes.		

Project Category: Planning			
Project Title	Tualatin River Watershed place-based water use strategic planning	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	Emerging
Project Description	This project will identify current and long range water needs in the Tualatin Basin. Working with State of Oregon agencies and Tualatin River Watershed stakeholders, TRWC will co-sponsor facilitated work sessions. The stakeholder groups will discuss their water needs and challenges resulting in understanding of other stakeholder groups' needs. The creation of trust among stakeholder groups may result in collaborative based water use and needs planning. This is expected to be a model that other basins in Oregon can use.	In Council Action Plan	Yes
Key Partners	Oregon Water Resources, ODA, ODFW, ODEQ, OWEB, Tualatin Basin stakeholders		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	5-30% - Conceptual/ Planning/ Submitting Grant application
Challenges	Interest and participation by Tualatin River watershed stakeholder groups; identifying and securing funding for facilitated work session. Length of time for trust building process to occur among stakeholder groups. Current TRWC staffing doesn't permit for staff to facilitate these work sessions, therefore we will seek funding for a facilitator.		
Opportunities	Greater understanding and collaboration among Tualatin Basin stakeholders in the current and future water uses. Recognition TRWC as a resource and convener of stakeholders to discuss Tualatin Basin water challenges and identify collaborative solutions. This will provide an opportunity for stakeholders to learn about each others resources and needs and the interrelated water quality and quantity needs of the basin.		
Planned Deliverables	Funding for grants is proposed in the budget proposal for the current Oregon legislative session. If funding becomes available, TRWC will apply for a grant to cover the cost of facilities and a facilitator to compile information and facilitate the work sessions. The facilitator will write the necessary reports after the process is complete.		

Update Date	6/17/2016	% Complete	5-30% - Conceptual/ Planning/ Submitting Grant application
Challenges	Interest and participation by Tualatin River watershed stakeholder groups; identifying and securing funding for facilitated work session. Length of time for trust building process to occur among stakeholder groups. Current TRWC staffing doesn't permit for staff to facilitate these work sessions, therefore we will seek funding for a facilitator. TRWC submitted a letter of interest to Oregon Water Resources Department in December 2015. It received a strong recommendation but was not selected for funding.		
Opportunities	Greater understanding and collaboration among Tualatin Basin stakeholders in the current and future water uses. Recognition TRWC as a resource and convener of stakeholders to discuss Tualatin Basin water challenges and identify collaborative solutions. This will provide an opportunity for stakeholders to learn about each others resources and needs and the interrelated water quality and quantity needs of the basin. Strong response from stakeholders to provide in-kind match for the TRWC letter of interest. Continuing to look for other funding sources.		
Deliverables Achieved	Finding funding to develop a integrated water resources strategy for the Tualatin Basin.		

Project Category: Planning			
Project Title	Tualatin River Watershed place-based water use strategic planning	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	Emerging
Project Description	This project will identify current and long range water needs in the Tualatin Basin. Working with State of Oregon agencies and Tualatin River Watershed stakeholders, TRWC will co-sponsor facilitated work sessions. The stakeholder groups will discuss their water needs and challenges resulting in understanding of other stakeholder groups' needs. The creation of trust among stakeholder groups may result in collaborative based water use and needs planning. This is expected to be a model that other basins in Oregon can use.	In Council Action Plan	Yes
Key Partners	Oregon Water Resources, ODA, ODFW, ODEQ, OWEB, Tualatin Basin stakeholders		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	5-30% - Conceptual/ Planning/ Submitting Grant application
Challenges	Interest and participation by Tualatin River watershed stakeholder groups; identifying and securing funding for facilitated work session. Length of time for trust building process to occur among stakeholder groups. Current TRWC staffing doesn't permit for staff to facilitate these work sessions, therefore we will seek funding for a facilitator.		
Opportunities	Greater understanding and collaboration among Tualatin Basin stakeholders in the current and future water uses. Recognition TRWC as a resource and convener of stakeholders to discuss Tualatin Basin water challenges and identify collaborative solutions. This will provide an opportunity for stakeholders to learn about each others resources and needs and the interrelated water quality and quantity needs of the basin.		
Planned Deliverables	Funding for grants is proposed in the budget proposal for the current Oregon legislative session. If funding becomes available, TRWC will apply for a grant to cover the cost of facilities and a facilitator to compile information and facilitate the work sessions. The facilitator will write the necessary reports after the process is complete.		

Update Date	6/17/2016	% Complete	5-30% - Conceptual/ Planning/ Submitting Grant application
Challenges	Interest and participation by Tualatin River watershed stakeholder groups; identifying and securing funding for facilitated work session. Length of time for trust building process to occur among stakeholder groups. Current TRWC staffing doesn't permit for staff to facilitate these work sessions, therefore we will seek funding for a facilitator. TRWC submitted a letter of interest to Oregon Water Resources Department in December 2015. It received a strong recommendation but was not selected for funding.		
Opportunities	Greater understanding and collaboration among Tualatin Basin stakeholders in the current and future water uses. Recognition TRWC as a resource and convener of stakeholders to discuss Tualatin Basin water challenges and identify collaborative solutions. This will provide an opportunity for stakeholders to learn about each others resources and needs and the interrelated water quality and quantity needs of the basin. Strong response from stakeholders to provide in-kind match for the TRWC letter of interest. Continuing to look for other funding sources.		
Deliverables Achieved	Finding funding to develop a integrated water resources strategy for the Tualatin Basin.		

Project Category: Planning			
Project Title	Upland Restoration	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	Emerging
Project Description	The Tualatin River watershed is an integrated landscape consisting of mountains, hills, and lowlands all interconnected by a pattern of streams that flow toward the Tualatin River. Many of the values of uplands portion of this landscape are vital to the health of the streams that flow through it. These values also sustain the people who live in the watershed. Issues to be addressed are vegetation diversity and density, invasive species, fire hazard and legacy roads.	In Council Action Plan	Yes
Key Partners	Small woodlands owner, NRCS, OSU Extension, ODF, OFRI, SWCD, OWEB, Clean Water Services		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics., Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	5-30% - Conceptual/ Planning/Submitting Grant application
Challenges	Identifying upland owners who are interested in and realize the value of doing restoration work. Access to a greater diversity of native plant materials. Limited funding sources for projects.		
Opportunities	Learning what the needs are and potential restoration funding for upland areas. Educating and engaging a broader population of the Tualatin Basin in restoration activities. Potential for additional partnership with agencies and landowners. Increased bio-diversity and habitat on the landscape and reduced erosion will improved water quality and physical habitat for Tualatin Basin following implementation of projects. Projects would serve as demonstration projects to increase awareness and future potential projects.		
Planned Deliverables	Confer with resources agencies about barriers to owners participating in these types of projects to identify ways to overcome those barriers. Identify several potential owners and properties for projects and seek funding.		

Update Date	6/17/2016	% Complete	60% - Implementa tion in progress
Challenges	Identifying upland owners who are interested in and realize the value of doing restoration work. Access to a greater diversity of native plant materials. Limited funding sources for projects.		
Opportunities	Learning what the needs are and potential restoration funding for upland areas. Educating and engaging a broader population of the Tualatin Basin in restoration activities. Potential for additional partnership with agencies and landowners. Increased bio-diversity and habitat on the landscape and reduced erosion will improved water quality and physical habitat for Tualatin Basin following implementation of projects. Projects would serve as demonstration projects to increase awareness and future potential projects.		
Deliverables Achieved	Continue to identify resources such as native plants and grant programs which upland owners need to enhance properties. Establish partnerships with potential agencies and organizations to implement this. In 2016 we met with a landowner to develop a planting plan and delivered 60 plants. We assisted with deer browse deterrents.		

Project Category: Planning			
Project Title	Upland Restoration	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	Emerging
Project Description	The Tualatin River watershed is an integrated landscape consisting of mountains, hills, and lowlands all interconnected by a pattern of streams that flow toward the Tualatin River. Many of the values of uplands portion of this landscape are vital to the health of the streams that flow through it. These values also sustain the people who live in the watershed. Issues to be addressed are vegetation diversity and density, invasive species, fire hazard and legacy roads.	In Council Action Plan	Yes
Key Partners	Small woodlands owner, NRCS, OSU Extension, ODF, OFRI, SWCD, OWEB, Clean Water Services		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics., Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	5-30% - Conceptual/ Planning/Submitting Grant application
Challenges	Identifying upland owners who are interested in and realize the value of doing restoration work. Access to a greater diversity of native plant materials. Limited funding sources for projects.		
Opportunities	Learning what the needs are and potential restoration funding for upland areas. Educating and engaging a broader population of the Tualatin Basin in restoration activities. Potential for additional partnership with agencies and landowners. Increased bio-diversity and habitat on the landscape and reduced erosion will improved water quality and physical habitat for Tualatin Basin following implementation of projects. Projects would serve as demonstration projects to increase awareness and future potential projects.		
Planned Deliverables	Confer with resources agencies about barriers to owners participating in these types of projects to identify ways to overcome those barriers. Identify several potential owners and properties for projects and seek funding.		

Update Date	6/17/2016	% Complete	60% - Implementa tion in progress
Challenges	Identifying upland owners who are interested in and realize the value of doing restoration work. Access to a greater diversity of native plant materials. Limited funding sources for projects.		
Opportunities	Learning what the needs are and potential restoration funding for upland areas. Educating and engaging a broader population of the Tualatin Basin in restoration activities. Potential for additional partnership with agencies and landowners. Increased bio-diversity and habitat on the landscape and reduced erosion will improved water quality and physical habitat for Tualatin Basin following implementation of projects. Projects would serve as demonstration projects to increase awareness and future potential projects.		
Deliverables Achieved	Continue to identify resources such as native plants and grant programs which upland owners need to enhance properties. Establish partnerships with potential agencies and organizations to implement this. In 2016 we met with a landowner to develop a planting plan and delivered 60 plants. We assisted with deer browse deterrents.		

Project Category: Planning			
Project Title	Upper Tualatin Sub- Basins Rapid Bio-Assessments	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Fish population and habitat condition data including fish passage barrier assessment are lacking in the rural Upper Tualatin sub-basins. This project gathered and analyzed information through rapid bio-assessment (RBA) surveys which provided data on juvenile fish population, identification of rearing locations, habitat conditions including passage barriers on up to 270 surveyed miles in Gales Creek, upper Tualatin River and Scoggins Creek, East Fork and West Fork Dairy Creeks and McKay Creek.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Clean Water Services, Bio Surveys, LLC		
Limiting Factor(s)	Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	100% - Post grant reporting complete
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		
Opportunities	Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2014 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.		
Planned Deliverables	Survey information is being used in the development of projects identified in Gales Creek Restoration Action Plan.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		

Opportunities	Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2014 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.		
Deliverables Achieved	Final report and maps posted on TRWC website. Information being used in the Gales Creek Restoration Action Plan and by TRWC stakeholders to plan future projects.		

Project Category: Planning			
Project Title	Upper Tualatin Sub- Basins Rapid Bio-Assessments	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Fish population and habitat condition data including fish passage barrier assessment are lacking in the rural Upper Tualatin sub-basins. This project gathered and analyzed information through rapid bio-assessment (RBA) surveys which provided data on juvenile fish population, identification of rearing locations, habitat conditions including passage barriers on up to 270 surveyed miles in Gales Creek, upper Tualatin River and Scoggins Creek, East Fork and West Fork Dairy Creeks and McKay Creek.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Clean Water Services, Bio Surveys, LLC		
Limiting Factor(s)	Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	100% - Post grant reporting complete
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		
Opportunities	Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2014 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.		
Planned Deliverables	Survey information is being used in the development of projects identified in Gales Creek Restoration Action Plan.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Inability to survey some stream reaches due to lack of response or permission from landowners to allow stream access. The project was completed on time and well received by the landowners.		

Opportunities	Identification of potential future restoration project partners based on responses and interest expressed while TRWC was requesting stream access permission. Spring 2014 public meeting on RBA findings to inform landowners, residents, conservation interests and others about juvenile fish populations, locations, habitat conditions and potential future projects.		
Deliverables Achieved	Final report and maps posted on TRWC website. Information being used in the Gales Creek Restoration Action Plan and by TRWC stakeholders to plan future projects.		

Project Category: Restoration			
Project Title	Bonita Firs Restoration	OWEB Grant #	13-12-016
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project treated invasive species such as Himalayan blackberry, English ivy, English hawthorn, clematis and laurel on a 0.63 acre site along Fanno Creek. Treatment and subsequent planting of native trees and shrubs was be done in concert with similar activities on property owned by the City of Tigard over a total of 1.41 acres to maximize results and minimize costs. This project is one of several done, or to be done, on adjacent properties to increase stream canopy and shading, increase the riparian areas' ability to filtrate pollutants from storm water runoff and increase biodiversity through habitat restoration in the Tualatin watershed.	In Council Action Plan	Yes
Key Partners	City of Tigard, Clean Water Services, Bonita Firs HOA, OWEB		
Limiting Factor(s)	Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Changes of HOA board membership that included a Board member who wanted to limit restoration activities. Timing of busy contractors and community volunteers and others to coordinate implementation of work. The project was completed on time.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resources process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project provided improved physical habitat and water quality in the stream reach.		
Planned Deliverables	Ongoing maintenance and monitoring through post-plant establishment funding. Two year report due 12/10/16.		
Update Date	6/17/2016	% Complete	95% - Maintenance/Monitoring/Education

Challenges	Changes of HOA board membership that included a Board member who wanted to limit restoration activities. Timing of busy contractors and community volunteers and others to coordinate implementation of work. The project was completed on time.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resources process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project provided improved physical habitat and water quality in the stream reach.		
Deliverables Achieved	Two year report and documentation due December 2016. Infill planting spring 2016 and ongoing maintenance with post grant funds. As a result of this work an adjacent HOA has an enhancement project going on it. A total of 100 plants, a mix of Big Leaf Maple, Western Red Cedar, and Red Alder were planted as infill planting during spring 2016.		

Project Category: Restoration			
Project Title	Bonita Firs Restoration	OWEB Grant #	13-12-016
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project treated invasive species such as Himalayan blackberry, English ivy, English hawthorn, clematis and laurel on a 0.63 acre site along Fanno Creek. Treatment and subsequent planting of native trees and shrubs was be done in concert with similar activities on property owned by the City of Tigard over a total of 1.41 acres to maximize results and minimize costs. This project is one of several done, or to be done, on adjacent properties to increase stream canopy and shading, increase the riparian areas' ability to filtrate pollutants from storm water runoff and increase biodiversity through habitat restoration in the Tualatin watershed.	In Council Action Plan	Yes
Key Partners	City of Tigard, Clean Water Services, Bonita Firs HOA, OWEB		
Limiting Factor(s)	Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Changes of HOA board membership that included a Board member who wanted to limit restoration activities. Timing of busy contractors and community volunteers and others to coordinate implementation of work. The project was completed on time.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resources process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project provided improved physical habitat and water quality in the stream reach.		
Planned Deliverables	Ongoing maintenance and monitoring through post-plant establishment funding. Two year report due 12/10/16.		
Update Date	6/17/2016	% Complete	95% - Maintenance/Monitoring/Education

Challenges	Changes of HOA board membership that included a Board member who wanted to limit restoration activities. Timing of busy contractors and community volunteers and others to coordinate implementation of work. The project was completed on time.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resources process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project provided improved physical habitat and water quality in the stream reach.		
Deliverables Achieved	Two year report and documentation due December 2016. Infill planting spring 2016 and ongoing maintenance with post grant funds. As a result of this work an adjacent HOA has an enhancement project going on it. A total of 100 plants, a mix of Big Leaf Maple, Western Red Cedar, and Red Alder were planted as infill planting during spring 2016.		

Project Category: Restoration			
Project Title	Bonita Townhomes Natural Area Enhancement	OWEB Grant #	13-16-004
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project will control non-native invasives and install natives on 2.6 acres in the Fanno Watershed.	In Council Action Plan	Yes
Key Partners	City of Tigard, Clean Water Services, Bonita Townhomes HOA, Friends of Trees		
Limiting Factor(s)	Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	6/24/2016	% Complete	60% - Implementation in progress
Challenges	Timing of busy contractors and community volunteers and others to coordinate implementation of work. Site access had to be obtained by getting an easement from an adjacent landowners to allow contractor to treat and remove invasive Hawthorn trees. This may be a challenge for doing the native planting with community volunteers. The amount of invasive Hawthorn trees required additional contractor time.		
Opportunities	Involvement of HOA members and community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resources process. The project will provide improved physical habitat and water quality in the stream reach. This will be new opportunity for the Friends of Trees to work directly with TRWC.		
Planned Deliverables	This project is located on mainstem Fanno and its tributary Colony Creek. Removal and treatment of invasive plants will happen up to 4 times throughout the grant term. Contracted crews and community volunteers will plant up to 6,360 native plants on 2.6 acres along 0.05 miles of stream. Grant term ends October 2017 with report and documentation due December 2017.		

Project Category: Restoration			
Project Title	Carter Creek Restoration Project II	OWEB Grant #	13-16-005
Responsible Parties	Partner	Priority	High
Project Description	This project will treat invasive species and plant 1,500 native trees and shrubs and install 200 live stakes on this 1.7 acre site in the Carter Creek Watershed.	In Council Action Plan	No
Key Partners	SOLVE, TRWC, Clean Water Services, NORP		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	6/24/2016	% Complete	60% - Implementation in progress
Challenges	Timing between invasive plant removal and availability/recruitment of community volunteers and others to plant and mulch and native plants.		
Opportunities	Involvement of community volunteers in planting and mulching of native plants. Greater understanding by community volunteers of stream and natural resource processes.		
Planned Deliverables	Work on 0.3 miles of stream in 1.0 acres of riparian land plus 0.6 acres of uplands and 0.1 acres of wetlands. Ongoing removal and treatment of invasive species by community volunteers and contractors. Planting and mulching of 1,500 native trees and shrubs and installation of 200 live stakes by community volunteers. Work to date includes invasive plant removal and treatment by contracted crews and licensed applicator and volunteers (616 hours). Grant ends October 2017 with report and documentation due December 2017.		

Project Category: Restoration			
Project Title	Clear Creek Large Wood Placement Project	OWEB Grant #	211-3050
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The project is located on a one-mile stream reach of Clear Creek, a tributary to Gales Creek. The majority of the subwatershed is owned and managed by the City of Forest Grove for municipal water supply and sustainable forestry. Watershed problems include: 1) lack of channel complexity and rearing habitat (pools) for spawning native winter steelhead trout, non-native Coho salmon, Pacific lamprey, and other native fish; 2) a barrier to juvenile fish passage due to an obsolete concrete water gauging structure, and 3) lack of instream structure for migratory adult fish to more easily access the Clear Creek fish ladder at intake structure. The proposed solution is to: 1) place up to 86 logs and/or whole trees in the stream to create pools and scour for fish habitat; 2) remove the obsolete water gauging structure; and 3) develop a small graded riffle at the intake structure for migrating fish. Following construction, Rapid Bioassessments (RBA) will be performed to evaluate fish passage.	In Council Action Plan	Yes
Key Partners	City of Forest Grove, ODFW, Trout Mountain Forestry OWEB, Bio-Surveys, LLC		
Limiting Factor(s)	Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Availability of transportation equipment to move logs to staging areas in order for the project to be implemented within the time period scheduled by the contractor; completing work within the in-water work period. These challenges did not prevent the project from being completed in a timely manner.		
Opportunities	The project improved habitat and habitat access and water quality in this stream reach. Build partnership for future restoration projects with the City of Forest Grove and downstream Clear Creek residents through tours and understanding of mutual benefits through large wood placement and other projects.		

Planned Deliverables	Continuing photo-point monitoring at all sites during 2015-2017. Post-project rapid bio-assessment will be performed in fall 2015. Two year post project completion report due in fall 2017, and four year post project completion report due in fall 2019.		
Update Date	6/17/2016	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Availability of transportation equipment to move logs to staging areas in order for the project to be implemented within the time period scheduled by the contractor; completing work within the in-water work period. These challenges did not prevent the project from being completed in a timely manner.		
Opportunities	The project improved habitat and habitat access and water quality in this stream reach. Build partnership for future restoration projects with the City of Forest Grove and downstream Clear Creek residents through tours and understanding of mutual benefits through large wood placement and other projects.		
Deliverables Achieved	Project work complete with all objectives met. Pacific University students filmed a video showing the results of the project. TRWC plans to put the video on its website in the future. Project completion report submitted March 2015. Fall 2016 Rapid Bio-assessment scheduled. Monitoring reports due in 2017 and 2019.		

Project Category: Restoration			
Project Title	Clear Creek Large Wood Placement Project	OWEB Grant #	211-3050
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The project is located on a one-mile stream reach of Clear Creek, a tributary to Gales Creek. The majority of the subwatershed is owned and managed by the City of Forest Grove for municipal water supply and sustainable forestry. Watershed problems include: 1) lack of channel complexity and rearing habitat (pools) for spawning native winter steelhead trout, non-native Coho salmon, Pacific lamprey, and other native fish; 2) a barrier to juvenile fish passage due to an obsolete concrete water gauging structure, and 3) lack of instream structure for migratory adult fish to more easily access the Clear Creek fish ladder at intake structure. The proposed solution is to: 1) place up to 86 logs and/or whole trees in the stream to create pools and scour for fish habitat; 2) remove the obsolete water gauging structure; and 3) develop a small graded riffle at the intake structure for migrating fish. Following construction, Rapid Bioassessments (RBA) will be performed to evaluate fish passage.	In Council Action Plan	Yes
Key Partners	City of Forest Grove, ODFW, Trout Mountain Forestry OWEB, Bio-Surveys, LLC		
Limiting Factor(s)	Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality - Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Availability of transportation equipment to move logs to staging areas in order for the project to be implemented within the time period scheduled by the contractor; completing work within the in-water work period. These challenges did not prevent the project from being completed in a timely manner.		
Opportunities	The project improved habitat and habitat access and water quality in this stream reach. Build partnership for future restoration projects with the City of Forest Grove and downstream Clear Creek residents through tours and understanding of mutual benefits through large wood placement and other projects.		

Planned Deliverables	Continuing photo-point monitoring at all sites during 2015-2017. Post-project rapid bio-assessment will be performed in fall 2015. Two year post project completion report due in fall 2017, and four year post project completion report due in fall 2019.		
Update Date	6/17/2016	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Availability of transportation equipment to move logs to staging areas in order for the project to be implemented within the time period scheduled by the contractor; completing work within the in-water work period. These challenges did not prevent the project from being completed in a timely manner.		
Opportunities	The project improved habitat and habitat access and water quality in this stream reach. Build partnership for future restoration projects with the City of Forest Grove and downstream Clear Creek residents through tours and understanding of mutual benefits through large wood placement and other projects.		
Deliverables Achieved	Project work complete with all objectives met. Pacific University students filmed a video showing the results of the project. TRWC plans to put the video on its website in the future. Project completion report submitted March 2015. Fall 2016 Rapid Bio-assessment scheduled. Monitoring reports due in 2017 and 2019.		

Project Category: Restoration			
Project Title	Gales Creek Access Road Decommissioning	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project, located between river mile 7 to 8 on the main stem of lower Gales Creek, is a privately owned 0.07 mile access road that interrupts existing Gales Creek side channels. The landowner is currently working with Tualatin SWCD in treating, maintaining and monitoring native shrubs and trees located in a one mile stream reach (approximately 20 acres). This project will remove the road fill from the side channels and decommission the 0.07 mile access road. Once decommissioned, Tualatin SWCD will plant the decommissioned area with native plants, and monitor and maintain it as a part of the larger 20 acre riparian restoration project. Benefits of the project include eliminating a road previously access by off road that drove through the creek damaging the stream bed and disturbing riparian vegetation.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Tualatin SWCD, landowner		
Limiting Factor(s)	Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Preparation and obtaining type 1 Washington County floodplain alteration permit. Federal review of project area for cultural resources. Permit obtained and cultural review completed.		
Opportunities	Use restored site to educate others about the value and resources available to do this type of work. Working with private landowners and other TRWC partners to identify future road decommissioning opportunities. This project will prevent off-road vehicles from accessing this stretch of stream which will improve physical habitat and water quality		
Planned Deliverables	As of February 2015, the implementation is in progress. Must be complete by 4/30/15 per current funding agreement.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete

Challenges	Preparation and obtaining type 1 Washington County floodplain alteration permit. Federal review of project area for cultural resources. Permit obtained and cultural review completed.		
Opportunities	Use restored site to educate others about the value and resources available to do this type of work. Working with private landowners and other TRWC partners to identify future road decommissioning opportunities. This project will prevent off-road vehicles from accessing this stretch of stream which will improve physical habitat and water quality		
Deliverables Achieved	Completed the project in April 2015. TRWC stakeholder group planted the decommissioned area with native shrubs and trees and continues monitoring and maintenance at the site.		

Project Category: Restoration			
Project Title	Gales Creek Access Road Decommissioning	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project, located between river mile 7 to 8 on the main stem of lower Gales Creek, is a privately owned 0.07 mile access road that interrupts existing Gales Creek side channels. The landowner is currently working with Tualatin SWCD in treating, maintaining and monitoring native shrubs and trees located in a one mile stream reach (approximately 20 acres). This project will remove the road fill from the side channels and decommission the 0.07 mile access road. Once decommissioned, Tualatin SWCD will plant the decommissioned area with native plants, and monitor and maintain it as a part of the larger 20 acre riparian restoration project. Benefits of the project include eliminating a road previously access by off road that drove through the creek damaging the stream bed and disturbing riparian vegetation.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Tualatin SWCD, landowner		
Limiting Factor(s)	Lack of Knowledge, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Preparation and obtaining type 1 Washington County floodplain alteration permit. Federal review of project area for cultural resources. Permit obtained and cultural review completed.		
Opportunities	Use restored site to educate others about the value and resources available to do this type of work. Working with private landowners and other TRWC partners to identify future road decommissioning opportunities. This project will prevent off-road vehicles from accessing this stretch of stream which will improve physical habitat and water quality		
Planned Deliverables	As of February 2015, the implementation is in progress. Must be complete by 4/30/15 per current funding agreement.		
Update Date	6/17/2016	% Complete	100% - Post grant reporting complete

Challenges	Preparation and obtaining type 1 Washington County floodplain alteration permit. Federal review of project area for cultural resources. Permit obtained and cultural review completed.		
Opportunities	Use restored site to educate others about the value and resources available to do this type of work. Working with private landowners and other TRWC partners to identify future road decommissioning opportunities. This project will prevent off-road vehicles from accessing this stretch of stream which will improve physical habitat and water quality		
Deliverables Achieved	Completed the project in April 2015. TRWC stakeholder group planted the decommissioned area with native shrubs and trees and continues monitoring and maintenance at the site.		

Project Category: Restoration			
Project Title	Gales Creek Clear Creek Confluence Project	OWEB Grant #	217-3009
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	To reconnect hyporheic and ground water flows to an extensive network of side channels located at the confluence, the project will reintroduce peak winter flows into a network of well integrated side channels by modifying an existing upstream dike. Large wood structures placed in this network will create pool scour that can be accessed in the summer by temperature dependent summer migrants.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, Clean Water Services, 3 Landowners, ODFW, OWEB		
Limiting Factor(s)	Habitat Access - Impaired access to habitat, Hydrograph/water quantity - Altered hydrology, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	6/24/2016	% Complete	5-30% - Conceptual/ Planning/ Submitting Grant application
Challenges	Obtaining funding from multiple sources during a timeframe that allows the implementation of the project.		
Opportunities	The monitoring will give us more information about the movement of hyporheic and ground water flows and the impact it has on temperature in side channels attached to Gales Creek.		
Planned Deliverables	To increase the amount of cold-water habitat for juvenile salmon during critical low flow periods during the summer. To monitor the impact of increased hyporheic flow on cold water. Increase sinuosity main stem Gales Creek through placement of large wood structures. Improve water quality through removal of legacy garbage dump on mainstem Gales Creek. Increase coniferous wood for future wood recruitment for the flood plain.		

Project Category: Restoration			
Project Title	Gales Creek Enhancement Projects	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The Gales Creek Restoration Action Plan (2015) identified prioritized enhancement opportunities. TRWC will use this information to contact landowners to discuss potential projects. After identifying interested landowners, TRWC will seek technical assistance grants followed by restoration grants.	In Council Action Plan	Yes
Key Partners	Landowners, Bureau of Reclamation, OWEB,		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Hydrograph/water quantity - Altered hydrology, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	5-30% - Conceptual/ Planning/Su bmitting Grant application
Challenges	Matching landowner interest with high priority projects. Identifying project partners and securing adequate funding for projects. Building and continuing relationships with landowners as project planning, funding and implementation can be a lengthy process.		
Opportunities	Introduce more landowners to the benefits of restoration and availability of resources. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration. The habitat access, hydrology, water quality and physical habitat of the stream will be improved after the restoration work is complete.		
Planned Deliverables	Identify one to two projects for planning in 2015 followed by implementation in 2016-17.		
Update Date	6/17/2016	% Complete	Project canceled
Challenges	Matching landowner interest with high priority projects. Identifying project partners and securing adequate funding for projects. Building and continuing relationships with landowners as project planning, funding and implementation can be a lengthy process.		

<p>Opportunities</p>	<p>Introduce more landowners to the benefits of restoration and availability of resources. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration. The habitat access, hydrology, water quality and physical habitat of the stream will be improved after the restoration work is complete.</p>		
<p>Deliverables Achieved</p>	<p>This project has become the Gales Creek / Clear Creek Confluence Project</p>		

Project Category: Restoration			
Project Title	Gales Creek Enhancement Projects	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	The Gales Creek Restoration Action Plan (2015) identified prioritized enhancement opportunities. TRWC will use this information to contact landowners to discuss potential projects. After identifying interested landowners, TRWC will seek technical assistance grants followed by restoration grants.	In Council Action Plan	Yes
Key Partners	Landowners, Bureau of Reclamation, OWEB,		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Hydrograph/water quantity - Altered hydrology, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	5-30% - Conceptual/ Planning/Su bmitting Grant application
Challenges	Matching landowner interest with high priority projects. Identifying project partners and securing adequate funding for projects. Building and continuing relationships with landowners as project planning, funding and implementation can be a lengthy process.		
Opportunities	Introduce more landowners to the benefits of restoration and availability of resources. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration. The habitat access, hydrology, water quality and physical habitat of the stream will be improved after the restoration work is complete.		
Planned Deliverables	Identify one to two projects for planning in 2015 followed by implementation in 2016-17.		
Update Date	6/17/2016	% Complete	Project canceled
Challenges	Matching landowner interest with high priority projects. Identifying project partners and securing adequate funding for projects. Building and continuing relationships with landowners as project planning, funding and implementation can be a lengthy process.		

<p>Opportunities</p>	<p>Introduce more landowners to the benefits of restoration and availability of resources. As the projects are developed and implemented the land owners will learn more about how to do restoration and the benefits of restoration. The habitat access, hydrology, water quality and physical habitat of the stream will be improved after the restoration work is complete.</p>		
<p>Deliverables Achieved</p>	<p>This project has become the Gales Creek / Clear Creek Confluence Project</p>		

Project Category: Restoration			
Project Title	Little Beaver Creek Culvert Replacements	OWEB Grant #	13-16-010
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	Little Beaver Creek is a tributary of Gales Creek. The grant will replace one culvert crossing that will provide fish passage and greater sustainability for high water events.	In Council Action Plan	Yes
Key Partners	Maier Family, Joint Water Commission, ODFW		
Limiting Factor(s)	Habitat Access - Impaired access to habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	6/24/2016	% Complete	30% - Funding secured
Challenges	Timing between availability of busy contractor to remove damaged culvert and replace with fish passage friendly culvert during in-water work period. Timing of fish salvage to meet needs of the project.		
Opportunities	Greater understanding by landowners of stream and natural resource processes. Potential to participate in floodplain enhancement in the future to provide stream canopy (lower stream temperatures) and sediment capture. Potential to do tour to recruit neighbors on Little Beaver Creek to do riparian area projects.		
Planned Deliverables	Current fish passage impediment will be removed and replaced with a fish friendly culvert. Decrease of sediment input to stream from damaged culvert. Up to 300 native plants will be planted in the disturbed area of the culvert crossing.		

Project Category: Restoration			
Project Title	Ongoing native plantings and maintenance at Rippling Waters	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project is located at Rippling Waters, a 21 acre Washington County owned natural area on the main stem of Gales Creek. TRWC has been restoring the site, using contracted crews for site preparation and maintenance activities (spraying and mowing) and community volunteers for invasive plant removal and planting activities since 2005. Over the next several years, TRWC will continue its site maintenance on previously planted areas. In 2014 our contractor developed a planting plan for 14 areas. These areas are going to be prepared for planting over the next few years.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, OWEB, Washington County, Clean Water Services, NW OR Restoration Partnership,		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	Completion of site preparation for native planting during appropriate times. Recruitment of community volunteers for planting activities. Staff availability for oversight of all these activities. Current funding ends for maintenance activities April 2015, with the next funding cycle to begin in October 2015, therefore there will be a break in maintenance work and site preparation. Community volunteers will assist with manual maintenance during this break in funding cycles.		
Opportunities	Recruitment of Pacific University students to recruit volunteers, plan planting activities, and oversee the work. This will enhance staff capacity. Increased community volunteer knowledge about natural resource systems, identification of native plants and emerging invasive plant species. Future use of the site as an example of restoration activities. As the planting are implemented habitat access, water quality and physical habitat will be improved.		

Planned Deliverables	Up to three sites will be prepared and planted by contractors and volunteers. Maintenance will be continued on previously planted areas. Generally site preparation is performed twice a year with planting to occur once a year.		
Update Date	6/17/2016	% Complete	60% - Implementation in progress
Challenges	Completion of site preparation for native planting during appropriate times. Recruitment of community volunteers for planting activities. Staff availability for oversight of all these activities.		
Opportunities	Recruitment of Pacific University students to recruit volunteers, plan planting activities, and oversee the work. This will enhance staff capacity. Increased community volunteer knowledge about natural resource systems, identification of native plants and emerging invasive plant species. Future use of the site as an example of restoration activities. As the planting are implemented habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	Spring of 2015 volunteers from Pacific University and community volunteers removed English ivy. Intensive treatment in fall of 2015 and planting and mulching in the winter of 2016 of 1 acre with approximately 3,000 native plants to enhance source water protection. This work was funded through a grant from Joint Water Commission. City of Hillsboro employees and Joint Water Commission employees volunteered for several planting days. Future maintenance will be paid by a BOR grant and plantings will be by volunteers.		

Project Category: Restoration			
Project Title	Ongoing native plantings and maintenance at Rippling Waters	OWEB Grant #	
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project is located at Rippling Waters, a 21 acre Washington County owned natural area on the main stem of Gales Creek. TRWC has been restoring the site, using contracted crews for site preparation and maintenance activities (spraying and mowing) and community volunteers for invasive plant removal and planting activities since 2005. Over the next several years, TRWC will continue its site maintenance on previously planted areas. In 2014 our contractor developed a planting plan for 14 areas. These areas are going to be prepared for planting over the next few years.	In Council Action Plan	Yes
Key Partners	Bureau of Reclamation, OWEB, Washington County, Clean Water Services, NW OR Restoration Partnership,		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	Ongoing council activity
Challenges	Completion of site preparation for native planting during appropriate times. Recruitment of community volunteers for planting activities. Staff availability for oversight of all these activities. Current funding ends for maintenance activities April 2015, with the next funding cycle to begin in October 2015, therefore there will be a break in maintenance work and site preparation. Community volunteers will assist with manual maintenance during this break in funding cycles.		
Opportunities	Recruitment of Pacific University students to recruit volunteers, plan planting activities, and oversee the work. This will enhance staff capacity. Increased community volunteer knowledge about natural resource systems, identification of native plants and emerging invasive plant species. Future use of the site as an example of restoration activities. As the planting are implemented habitat access, water quality and physical habitat will be improved.		

Planned Deliverables	Up to three sites will be prepared and planted by contractors and volunteers. Maintenance will be continued on previously planted areas. Generally site preparation is performed twice a year with planting to occur once a year.		
Update Date	6/17/2016	% Complete	60% - Implementation in progress
Challenges	Completion of site preparation for native planting during appropriate times. Recruitment of community volunteers for planting activities. Staff availability for oversight of all these activities.		
Opportunities	Recruitment of Pacific University students to recruit volunteers, plan planting activities, and oversee the work. This will enhance staff capacity. Increased community volunteer knowledge about natural resource systems, identification of native plants and emerging invasive plant species. Future use of the site as an example of restoration activities. As the planting are implemented habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	Spring of 2015 volunteers from Pacific University and community volunteers removed English ivy. Intensive treatment in fall of 2015 and planting and mulching in the winter of 2016 of 1 acre with approximately 3,000 native plants to enhance source water protection. This work was funded through a grant from Joint Water Commission. City of Hillsboro employees and Joint Water Commission employees volunteered for several planting days. Future maintenance will be paid by a BOR grant and plantings will be by volunteers.		

Project Category: Restoration			
Project Title	Quail Hollow West HOA Enhancement	OWEB Grant #	13-14-006
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project will address issues caused by urbanization and its increased amount of impervious surfaces that contribute to more surface water runoff (which can carry pollutants from roads and lawns), more channel erosion and higher sediment loads which lead to poor water quality and degraded terrestrial habitat. This 2.32 acre riparian and upland HOA-owned site is located along an unnamed tributary of Summer Creek. It will be treated for invasive species such as Himalayan blackberry, bindweed, Reed canary grass and English ivy and planted to develop a dense native herbaceous layer and include deep-rooted native shrubs to reduce the velocity of storm water runoff and stabilize the stream banks. Additionally, native trees such as Western red cedar, Douglas fir, red alder and big leaf maple will be planted create better habitat and shade the stream.	In Council Action Plan	Yes
Key Partners	Quail Hollow West HOA, City of Tigard, Clean Water Services, OWEB		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor to get the site prep and planting done at the best time for the plants. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for planting worked out well.		
Opportunities	Greater understanding by Homeowners Association (HOA) members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the project is implemented the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Additional invasive treatments during summer/fall 2015. Grant ends 9/27/2015. Grant report and documentation will be submitted. HOA will continue monitoring and maintenance activities. Restoration site may be included in TRWC tour.		

Update Date	6/24/2016	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Timing between availability of busy contractor to get the site prep and planting done at the best time for the plants. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for planting worked out well.		
Opportunities	Greater understanding by Homeowners Association (HOA) members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the project is implemented the habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	A total of 0.12 miles of stream on 2.32 acres were treated by contracted crews four times during the grant term for invasive plants. Contracted crews planted 5,500 native plants. On going monitoring and maintenance is being done with post plant establishment grant funds. The completion report was submitted in November 2015 and the two-year report will be due in November 2017.		

Project Category: Restoration			
Project Title	Quail Hollow West HOA Enhancement	OWEB Grant #	13-14-006
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project will address issues caused by urbanization and its increased amount of impervious surfaces that contribute to more surface water runoff (which can carry pollutants from roads and lawns), more channel erosion and higher sediment loads which lead to poor water quality and degraded terrestrial habitat. This 2.32 acre riparian and upland HOA-owned site is located along an unnamed tributary of Summer Creek. It will be treated for invasive species such as Himalayan blackberry, bindweed, Reed canary grass and English ivy and planted to develop a dense native herbaceous layer and include deep-rooted native shrubs to reduce the velocity of storm water runoff and stabilize the stream banks. Additionally, native trees such as Western red cedar, Douglas fir, red alder and big leaf maple will be planted create better habitat and shade the stream.	In Council Action Plan	Yes
Key Partners	Quail Hollow West HOA, City of Tigard, Clean Water Services, OWEB		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor to get the site prep and planting done at the best time for the plants. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for planting worked out well.		
Opportunities	Greater understanding by Homeowners Association (HOA) members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the project is implemented the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Additional invasive treatments during summer/fall 2015. Grant ends 9/27/2015. Grant report and documentation will be submitted. HOA will continue monitoring and maintenance activities. Restoration site may be included in TRWC tour.		

Update Date	6/24/2016	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Timing between availability of busy contractor to get the site prep and planting done at the best time for the plants. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for planting worked out well.		
Opportunities	Greater understanding by Homeowners Association (HOA) members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the project is implemented the habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	A total of 0.12 miles of stream on 2.32 acres were treated by contracted crews four times during the grant term for invasive plants. Contracted crews planted 5,500 native plants. On going monitoring and maintenance is being done with post plant establishment grant funds. The completion report was submitted in November 2015 and the two-year report will be due in November 2017.		

Project Category: Restoration			
Project Title	Rock Creek Forest Restoration - Varma II	OWEB Grant #	13-16-006
Responsible Parties	Project Manager	Priority	High
Project Description	Small Grant Program funds will be used to accelerate forest restoration through a concentrated effort of plant control and native planting on 1.1 acres and 0.12 stream miles near the headwaters of South Rock Creek in Clackamas County of the Tualatin River watershed.	In Council Action Plan	Yes
Key Partners	TRWC, Our Table, Clean Water Services, Community by Design, CREST High School, NORP		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality - Altered physical, chemical, or biological water characteristics.		
Original Date	6/24/2016	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor, farm crew and community volunteers and others to implement work. Having a project manager has really helped with this.		
Opportunities	Having a project manager has expanded our staff capacity. Involvement of Our Table Community Sustainable Agriculture (CSA) members and farmers, and community volunteers in planting native plants and ongoing site maintenance including use of mechanical treatment of invasive plants. Greater understanding by Our Table members and community volunteers (high school students) of stream and natural resource process. Once the project is implemented and the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Enhance and establish a riparian forest along 0.12 stream miles on 1.1 acres of Lower Rock Creek. Do high density planting and mulching of 3,200 plants to reduce long term maintenance and provide shade more quickly. High school students will be included with community volunteers to learn about riparian restoration. This grant ends on October 2017 with the final report and documentation due December 2017.		

Project Category: Restoration			
Project Title	Rock Creek Forest Restoration: Varma	OWEB Grant #	13-14-007
Responsible Parties	Contractor	Priority	High
Project Description	This project will restore native vegetation and habitat in the riparian area on this property belonging to Our Table organic farm near the headwaters of South Rock Creek in the Lower Tualatin River Basin. Implementation will establish a continuous riparian forest along 450 feet of stream and develop a diverse forest canopy and shrub layer to improve pollination and benefit wildlife. Native trees and shrubs will be planted on 0.8 acres of floodplain and in the upland forest areas after treatment of invasive weeds.	In Council Action Plan	Yes
Key Partners	Community by Design, LLC, OWEB, community volunteers, Habitat Restoration NW, LLC		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality - Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor, farm crew and community volunteers and others to implement work. Having a project manager has really helped with this.		
Opportunities	Having a project manager has expanded our staff capacity. Involvement of Our Table Community Sustainable Agriculture (CSA) members and farmers, and community volunteers in planting native plants and ongoing site maintenance including use of mechanical treatment of invasive plants. Greater understanding by Our Table members and community volunteers of stream and natural resource process. Once the project is implemented and the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Continue maintenance in areas to control grass and weeds; monitor and maintain planted areas. Fall 2015, install native plants in areas as needed. Grant term ends 9/27/15. Grant completion report and documentation will be submitted. Continue monitoring and maintenance activities. The restoration partners plan to submit a phase 2 small grant project application on additional riparian and uplands area in summer/fall 2015. Restoration site may be included in TRWC tours.		

Update Date	6/24/2016	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Timing between availability of busy contractor, farm crew and community volunteers and others to implement work. Having a project manager has really helped with this.		
Opportunities	Having a project manager has expanded our staff capacity. Involvement of Our Table Community Sustainable Agriculture (CSA) members and farmers, and community volunteers in planting native plants and ongoing site maintenance including use of mechanical treatment of invasive plants. Greater understanding by Our Table members and community volunteers of stream and natural resource process. Once the project is implemented and the habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	We treated 0.8 riparian acres and 1.2 upland acres on 0.1 miles of stream. Contracted crews mechanically removed invasive species since it is an bio-dynamic farm and chemicals are not allowed. This needed to be done repeatedly. Contracted crews and volunteers planted 2,075 native plants (150 volunteer hours). The volunteers were from local high schools. The students learned about bio-diversity, native plants and the environment. The completion report was submitted December 2015. On going monitoring and maintenance are being done with post project plant establishment funding. The two year report is due December 2017.		

Project Category: Restoration			
Project Title	Rock Creek Forest Restoration: Varma	OWEB Grant #	13-14-007
Responsible Parties	Contractor	Priority	High
Project Description	This project will restore native vegetation and habitat in the riparian area on this property belonging to Our Table organic farm near the headwaters of South Rock Creek in the Lower Tualatin River Basin. Implementation will establish a continuous riparian forest along 450 feet of stream and develop a diverse forest canopy and shrub layer to improve pollination and benefit wildlife. Native trees and shrubs will be planted on 0.8 acres of floodplain and in the upland forest areas after treatment of invasive weeds.	In Council Action Plan	Yes
Key Partners	Community by Design, LLC, OWEB, community volunteers, Habitat Restoration NW, LLC		
Limiting Factor(s)	Staff capacity development, Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality - Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor, farm crew and community volunteers and others to implement work. Having a project manager has really helped with this.		
Opportunities	Having a project manager has expanded our staff capacity. Involvement of Our Table Community Sustainable Agriculture (CSA) members and farmers, and community volunteers in planting native plants and ongoing site maintenance including use of mechanical treatment of invasive plants. Greater understanding by Our Table members and community volunteers of stream and natural resource process. Once the project is implemented and the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Continue maintenance in areas to control grass and weeds; monitor and maintain planted areas. Fall 2015, install native plants in areas as needed. Grant term ends 9/27/15. Grant completion report and documentation will be submitted. Continue monitoring and maintenance activities. The restoration partners plan to submit a phase 2 small grant project application on additional riparian and uplands area in summer/fall 2015. Restoration site may be included in TRWC tours.		

Update Date	6/24/2016	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Timing between availability of busy contractor, farm crew and community volunteers and others to implement work. Having a project manager has really helped with this.		
Opportunities	Having a project manager has expanded our staff capacity. Involvement of Our Table Community Sustainable Agriculture (CSA) members and farmers, and community volunteers in planting native plants and ongoing site maintenance including use of mechanical treatment of invasive plants. Greater understanding by Our Table members and community volunteers of stream and natural resource process. Once the project is implemented and the habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	We treated 0.8 riparian acres and 1.2 upland acres on 0.1 miles of stream. Contracted crews mechanically removed invasive species since it is an bio-dynamic farm and chemicals are not allowed. This needed to be done repeatedly. Contracted crews and volunteers planted 2,075 native plants (150 volunteer hours). The volunteers were from local high schools. The students learned about bio-diversity, native plants and the environment. The completion report was submitted December 2015. On going monitoring and maintenance are being done with post project plant establishment funding. The two year report is due December 2017.		

Project Category: Restoration			
Project Title	Summer Creek Headwaters Enhancement II	OWEB Grant #	13-16-001
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project will treat invasive plants along Summer Creek in Washington County on a 16.5 acre site (12 acres of riparian area, 4.5 of uplands). Following invasive treatment, 3,500 native plants will be installed throughout the site.	In Council Action Plan	Yes
Key Partners	City of Beaverton, Clean Water Services, Murrayhill Owners Association, Friends of Trees		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	6/24/2016	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor and community volunteers and others to implement work can be difficult. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for volunteer planting worked out well		
Opportunities	Involvement of Murrayhill Owners Association (MOA) members and community volunteers in planting native plants and ongoing site maintenance. Greater understanding by MOA members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the projects are developed and implemented the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Four invasive treatments by contracted crews between fall 2015 and fall 2017. 3,950 native plants will be installed and mulched by volunteers and Cascade Environmental Corp in fall 2016 and winter 2017. A project partner sign will be installed. Grant completion date is October 2017 with the report and documentation due December 2017.		

Project Category: Restoration			
Project Title	Summer Creek Headwaters Restoration at Murrayhill	OWEB Grant #	13-14-005
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This 8.4 acre natural area project site along Summer Creek will be treated for invasive plant species including Himalayan blackberry, English ivy, English hawthorn, and English holly. These plants impact water quality through poor filtration and erosion, negatively impact wildlife habitat in the greenway that runs through the site and are a source of invasive seed that impact restoration downstream. Treatments will be followed by planting approximately 3,000 native plants.	In Council Action Plan	Yes
Key Partners	Murrayhill Owners Association, Clean Water Services, OWEB, City of Beaverton		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor and community volunteers and others to implement work can be difficult. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for volunteer planting worked out well.		
Opportunities	Involvement of Murrayhill Owners Association (MOA) members and community volunteers in planting native plants and ongoing site maintenance. Greater understanding by MOA members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the projects are developed and implemented the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Late summer/fall 2015 invasive treatment. Grant ends 9/27/2015. Grant report and documentation will be submitted. Ongoing maintenance and monitoring which will include spot sprays, mowing/cutting and infill planting as needed will be provided by the HOA. Restoration site may be included in TRWC tour.		

Update Date	6/17/2016	% Complete	95% - Maintenance/ Monitoring/ Education
Challenges	Timing between availability of busy contractor and community volunteers and others to implement work can be difficult. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for volunteer planting worked out well.		
Opportunities	Involvement of Murrayhill Owners Association (MOA) members and community volunteers in planting native plants and ongoing site maintenance. Greater understanding by MOA members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the projects are developed and implemented the habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	Project completion report submitted in November 2015, two-year report is due November 2017. Two project partner signs installed fall of 2015. Ongoing monitoring and maintenance by the Murrayhill Owners Association. Project Results: 3,950 native plants were installed by community volunteers and residence (495 volunteer hours) and Cascade Environmental Corp on 0.54 stream miles and 8.4 acres. Four invasive treatments were done by contracted crews. This project lead to a second enhancement project (on land owned by the Murrayhill Owners Association) along one of the headwater streams of Summer Creek.		

Project Category: Restoration			
Project Title	Summer Creek Headwaters Restoration at Murrayhill	OWEB Grant #	13-14-005
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This 8.4 acre natural area project site along Summer Creek will be treated for invasive plant species including Himalayan blackberry, English ivy, English hawthorn, and English holly. These plants impact water quality through poor filtration and erosion, negatively impact wildlife habitat in the greenway that runs through the site and are a source of invasive seed that impact restoration downstream. Treatments will be followed by planting approximately 3,000 native plants.	In Council Action Plan	Yes
Key Partners	Murrayhill Owners Association, Clean Water Services, OWEB, City of Beaverton		
Limiting Factor(s)	Lack of Knowledge, Habitat Access - Impaired access to habitat, Physical habitat quality - Altered quality of physical habitat, Water Quality -Altered physical, chemical, or biological water characteristics.		
Original Date	1/30/2015	% Complete	60% - Implementation in progress
Challenges	Timing between availability of busy contractor and community volunteers and others to implement work can be difficult. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for volunteer planting worked out well.		
Opportunities	Involvement of Murrayhill Owners Association (MOA) members and community volunteers in planting native plants and ongoing site maintenance. Greater understanding by MOA members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the projects are developed and implemented the habitat access, water quality and physical habitat will be improved.		
Planned Deliverables	Late summer/fall 2015 invasive treatment. Grant ends 9/27/2015. Grant report and documentation will be submitted. Ongoing maintenance and monitoring which will include spot sprays, mowing/cutting and infill planting as needed will be provided by the HOA. Restoration site may be included in TRWC tour.		

Update Date	6/17/2016	% Complete	95% - Maintenance/ Monitoring/ Education
Challenges	Timing between availability of busy contractor and community volunteers and others to implement work can be difficult. By grouping projects together it was efficient for our contractor to work them into his schedule so that the timing for volunteer planting worked out well.		
Opportunities	Involvement of Murrayhill Owners Association (MOA) members and community volunteers in planting native plants and ongoing site maintenance. Greater understanding by MOA members and community volunteers of stream and natural resource process. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. As the projects are developed and implemented the habitat access, water quality and physical habitat will be improved.		
Deliverables Achieved	Project completion report submitted in November 2015, two-year report is due November 2017. Two project partner signs installed fall of 2015. Ongoing monitoring and maintenance by the Murrayhill Owners Association. Project Results: 3,950 native plants were installed by community volunteers and residence (495 volunteer hours) and Cascade Environmental Corp on 0.54 stream miles and 8.4 acres. Four invasive treatments were done by contracted crews. This project lead to a second enhancement project (on land owned by the Murrayhill Owners Association) along one of the headwater streams of Summer Creek.		

Project Category: Restoration			
Project Title	Waverly Meadows/Bonita Firs Restoration	OWEB Grant #	13-12-007
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project included urban natural areas owned by Waverly Meadow and Bonita Firs Homeowners Association (HOA) where homeowners had commenced restoration of adjacent upland areas. The three sites, totaling 1.4 acres, along an unnamed Fanno Creek tributary had been overrun by invasive species such as Himalayan blackberry, English ivy, English holly, English hawthorn and creeping bamboo. They were treated and re-treated by contracted crews. Contracted crews and volunteers planted with native shrubs and trees. Implementation will decrease stream temperature by increasing the canopy and shading the stream, increase the riparian area's ability to filtrate pollutants from storm water runoff and increase biodiversity through restoring habitat and increasing native vegetation. Continued work to monitor and maintain plantings will be done by landowners. The City of Tigard will provide technical expertise as well as restore adjacent land.	In Council Action Plan	Yes
Key Partners	City of Tigard, Clean Water Services, Waverly Meadows and Bonita Firs HOAs, OWEB		
Limiting Factor(s)	Physical habitat quality - Altered quality of physical habitat, Water Quality - Altered physical, chemical, or biological water characteristics., Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Timing between availability of busy contractors and community volunteers and others to implement work. The project was completed on time.		
Opportunities	Involvement of HOA community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resource processes. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project improved physical habitat and water quality at all three sites		
Planned Deliverables	Ongoing maintenance and monitoring by HOA. Two year grant report due 3/14/16.		

Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Timing between availability of busy contractors and community volunteers and others to implement work. The project was completed on time.		
Opportunities	Involvement of HOA community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resource processes. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project improved physical habitat and water quality at all three sites		
Deliverables Achieved	Two year report and documentation submitted April 2016. As a result of this project another project was initiated on a neighboring piece of property and one of our stakeholder groups did an addition section of stream nearby.		

Project Category: Restoration			
Project Title	Waverly Meadows/Bonita Firs Restoration	OWEB Grant #	13-12-007
Responsible Parties	Coordinator/Executive Director	Priority	High
Project Description	This project included urban natural areas owned by Waverly Meadow and Bonita Firs Homeowners Association (HOA) where homeowners had commenced restoration of adjacent upland areas. The three sites, totaling 1.4 acres, along an unnamed Fanno Creek tributary had been overrun by invasive species such as Himalayan blackberry, English ivy, English holly, English hawthorn and creeping bamboo. They were treated and re-treated by contracted crews. Contracted crews and volunteers planted with native shrubs and trees. Implementation will decrease stream temperature by increasing the canopy and shading the stream, increase the riparian area's ability to filtrate pollutants from storm water runoff and increase biodiversity through restoring habitat and increasing native vegetation. Continued work to monitor and maintain plantings will be done by landowners. The City of Tigard will provide technical expertise as well as restore adjacent land.	In Council Action Plan	Yes
Key Partners	City of Tigard, Clean Water Services, Waverly Meadows and Bonita Firs HOAs, OWEB		
Limiting Factor(s)	Physical habitat quality - Altered quality of physical habitat, Water Quality - Altered physical, chemical, or biological water characteristics., Knowledge Gaps - Lack of Information		
Original Date	1/30/2015	% Complete	95% - Maintenance/Monitoring/Education
Challenges	Timing between availability of busy contractors and community volunteers and others to implement work. The project was completed on time.		
Opportunities	Involvement of HOA community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resource processes. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project improved physical habitat and water quality at all three sites		
Planned Deliverables	Ongoing maintenance and monitoring by HOA. Two year grant report due 3/14/16.		

Update Date	6/17/2016	% Complete	100% - Post grant reporting complete
Challenges	Timing between availability of busy contractors and community volunteers and others to implement work. The project was completed on time.		
Opportunities	Involvement of HOA community volunteers in planting native plants and site maintenance. Greater understanding by HOA members and community volunteers of stream and natural resource processes. Use of site for future tours for other HOAs to initiate restoration on their HOA-owned natural areas. The project improved physical habitat and water quality at all three sites		
Deliverables Achieved	Two year report and documentation submitted April 2016. As a result of this project another project was initiated on a neighboring piece of property and one of our stakeholder groups did an addition section of stream nearby.		