



# ENVIRONMENTAL STEWARDSHIP PROJECT

## YEAR 6 FIRST QUARTER REPORT

JANUARY 27, 2014



Prepared for:

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Prepared by:

CITY OF TACOMA

## 1.0 Introduction

In accordance with the terms and conditions of the Settlement Agreement between the United States Environmental Protection Agency (EPA) and the City of Tacoma (City), and the associated Annual Scope of Work, this report presents a financial summary of the Long Term Environmental Site Stewardship Project (ESP) from October 1, 2013 through December 31, 2013, and summarizes the work activities for the same period. This project was undertaken in connection with the settlement of an enforcement action taken by the United States Environmental Protection Agency for violations of CERCLA. Please refer to Attachment 1 for the City's 2013 Task List.

The Environmental Stewardship Project (ESP) resulted from the need to provide long-term care for restoration sites within the Commencement Bay/Puyallup River watershed that no longer have regulatory or legal requirements for maintenance, monitoring, or adaptive management. The primary goal of the ESP is to "ensure the health of the restoration projects in the Puyallup River watershed so they continue to provide function and value." The City is currently fulfilling the role of Steward for the following sites:

- Yowkwala
- Skookum Wulge
- Squally Beach
- Mowitch
- Jordan/Lower Hylebos Marsh
- Middle Waterway, City of Tacoma
- Middle Waterway, Simpson
- Olympic View, City/DNR
- Tahoma Salt Marsh
- Swan Creek

The City will continue to fulfill the role of Steward under the direction of the Natural Resource Damage Trustees (Trustees) until such time that the penalty monies which have been placed in escrow for this purpose have been exhausted. The Trustees have selected EarthCorps to provide long term stewardship at these sites at such time that the City's obligation is completed. On June 7, 2013, a contract between the City and EarthCorps was executed which will help to provide for a smooth transition in project management. The City met with EarthCorps and Trustee representatives on November 12, in a continuing effort to coordinate remaining work under the ESP agreement and transition of work to EarthCorps.

As indicated in previous reports, the City entered into a contract with Citizens for a Healthy Bay (CHB) to provide for community assistance with the stewardship project. CHB currently has EarthCorps under a subcontract for assistance with events at all of the sites. CHB prepared an annual work plan for 2013 based on the City's 2013 approved Task List. A copy of CHB's Work Plan is included herein as Attachment 2.

The City conducts monthly coordination meetings with CHB as they work on implementation of the work plan. In accordance with the contract, CHB is responsible for completing the volunteer component of site stewardship, in addition to performing monitoring events that are not mandated to be performed by City staff. These site visits are performed quarterly with the February and August visits performed by the City and the May and November visits performed by CHB.

## 2.0 Site by Site Summaries

The following is a site by site summary of general site observations, work completed during the reporting period, summary of data collected, and proposed upcoming tasks.

### 2.1 Yowkwala

The Yowkwala site is located on the northeast shore of Commencement Bay near the mouth of the Hylebos Waterway. These 15 acres were set aside for preservation of the shoreline's intertidal habitat areas and native vegetation. The site consists of a rocky beach, a relatively flat backshore, riparian planted area, and a steep forested hillslope behind. The majority of the work on this site takes place in the backslope riparian planting area. Access to this site is primarily from a private marina parking lot, Tyee Marina, to the southeast. In addition, there are two pullouts above the hillslope off of Marine View Drive that provide viewing areas, but no access points.

This site was set aside by the Trustees, and a beach cleanup including the removal of two derelict barges was completed in 2000. With the execution of the Settlement Agreement the City is responsible for stewardship of this site. The City has a contract with CHB, and is coordinating implementation of the overall task list with CHB to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 9. Photo documentation was not required during this reporting period. Trash and other human impacts, along with invasive species removal continue to be the primary concerns at this site. Quarterly monitoring data are summarized in the Site Record (see Table 1 in Attachment 3).

Overall, the site appears healthy throughout, with only minor remaining drought stress from the summer noted. Recent plantings that still had functioning Dri-Water were showing the most success, but most planted species are doing well. The roses are bearing fruit and the gumweed continues to spread. There was minimal trash present and the only invasives noted during the site visit were blackberry and tansy ragwort. There were no other issues identified during the site visit.

The following activities were completed at the site during the reporting period:

- November 5 – The WCC crew moved mulch to the site by boat and removed invasives in preparation for CHB's volunteer event.
- November 7 – The WCC crew moved plants to the site in preparation for the weekend volunteer event.
- November 9 – CHB conducted a volunteer planting event. CHB staff, an EarthCorps crew and 20 adult volunteers planted 210 native trees and shrubs mid-site and placed mulch rings around the new plants.
- November 12 – The WCC crew planted 500 dune grass and 200 gumweed on site.
- December 16 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is

planning a shoreline cleanup event including this area in January. An invasive removal event is anticipated for this site in April.

## **2.2 Skookum Wulge**

The Skookum Wulge site is located on the northeast shore of Commencement Bay near the mouth of the Hylebos Waterway. This narrow strip of 1.19 acres has been set aside for preservation of the shoreline's intertidal habitat areas and native vegetation. The site consists of a rocky beach, a small backshore embayment, and an upper riparian planted area. There is approximately a 3-4 foot elevation difference between the planted area and the upper beach due to ongoing erosion. The majority of the work on this site takes place in the riparian planting area. Access to this site is primarily from a turnout off of Marine View Drive adjacent to the site.

This site was set aside by the Trustees for protection in 1999. No active restoration of the site happened initially. Efforts in 2009 and 2010 removed invasives (blackberry and ivy) from the riparian area and those areas were replanted with native species. With the execution of the Settlement Agreement the City is responsible for stewardship of this site. The City has a contract with CHB, and is coordinating implementation of the overall task list with CHB to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 19. Photo documentation was not required during this reporting period. Bank erosion with accompanying plant salvage, invasive plant removal, and native plant establishment continue to be the primary concerns at this site. Quarterly monitoring data are summarized in the Site Record (see Table 2 in Attachment 3).

Overall, the site appears healthy throughout. Many species were noted as doing quite well at the site including trailing blackberry, Douglas fir, snowberry, roses and coastal strawberry. Invasives, particularly ivy and blackberry, continue to be present along the slope and require ongoing maintenance. There were no other issues identified during the site visit.

The following activities were completed at the site during the reporting period:

- December 16 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a shoreline cleanup event including this area in January.

## **2.3 Squally Beach**

The Squally Beach site is located on the northeast shore of Commencement Bay just north of the 11<sup>th</sup> Street Bridge. Seeps from the hill above are diffused over the shoreline creating an area of brackish marsh and backwater pools. This 0.66 acre site provides intertidal habitat, riparian habitat, and native vegetation. The site consists of small raised island areas within the marsh area. A wooded strip of riparian area separates the site from the adjacent roadway. The majority of the work takes place in the marsh area, but some work is also required in the

wooded area adjacent to the roadway. Access to the site is from a turnout off of Marine View Drive toward the northwest end of the site.

Development of this site was completed by the Trustees in 2000. With the execution of the Settlement Agreement the City is responsible for stewardship of this site. The City has a contract with CHB, and is coordinating implementation of the overall task list with CHB to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 19. Photo documentation was not required during this reporting period. Removal of invasive species remains the primary concern at the site, in particular knotweed control on the adjacent site to the northwest, and ongoing monitoring for cordgrass (*Spartina angelica*) in the marsh area. The cordgrass is primarily monitored and removed by the Washington Department of Agriculture *Spartina* team. Quarterly monitoring data are summarized in the Site Record (see Table 3 in Attachment 3).

Overall, the established vegetation in both the riparian area and the marsh is doing very well and appears healthy. Roses are thriving at the site, and Douglas firs were also noted as doing well. Blackberry along the berm was the only invasive species noted during the site visit. There were no issues identified during the inspection.

The following activities were completed at the site during the reporting period:

- December 16 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a shoreline cleanup event including this area in January.

## **2.4 Mowitch**

The Mowitch site is located at the head of the Hylebos Waterway. This 2.3 acre site provides intertidal backwater fingers that enable brackish marsh vegetation to grow and foraging and refuge habitat for salmonids. The site consists of one island marsh area and three other marsh areas separated by backchannel areas. An upland riparian zone separates the habitat area from an adjacent industrial site. The majority of the work on this site takes place in the marsh areas. Access to the site is from the southeast corner of the site off of Marine View Drive and adjacent to the railroad tracks.

Development of this site was completed by the Trustees in 2000. With the execution of the Settlement Agreement the City is responsible for stewardship of this site. The City has a contract with CHB, and is coordinating implementation of the overall task list with CHB to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 19. Photo documentation was not required during this reporting period. Removal of invasive species and plant establishment continue to be the primary concerns at this site. Quarterly monitoring data are summarized in the Site Record (see Table 4 in Attachment 3).

Overall, the site is stable and plants in both the riparian and marsh areas of the site are beginning to show signs of winter dormancy but appear generally healthy. Several species were noted as doing well including Douglas fir, willows, salt grass and pickleweed, and lupine is volunteering. Blackberry and reed canary grass were the primary invasive species noted. There continue to be indications that some of the willows have been affected by the poplar/willow borers, but no other concerns were noted during the inspection.

The following activities were completed at the site during the reporting period:

- December 16 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## **2.5 Jordan/Lower Hylebos Marsh**

The Jordan/Lower Hylebos Marsh site is located directly adjacent to Hylebos Creek in Fife, just downstream of the 4<sup>th</sup> Street Bridge. The 15.3 acre site provides off channel intertidal habitat for fish migration, rearing, foraging, and refuge. The site consists of a steep, wooded hillslope, a public walking trail, planted riparian areas, marsh areas, and islands. The majority of work at this site is performed in the planted riparian and marsh areas, as well as on the islands. Some work is performed on the lower hillslope adjacent to the walking path. Access to the site is from 4<sup>th</sup> Street East or 8<sup>th</sup> Street East at the northwest or southeast sides of the site, respectively.

Development of this site was completed by the Trustees in 2005. With the execution of the Settlement Agreement the City is responsible for stewardship of this site. The City has a contract with CHB, and is coordinating implementation of the overall task list with CHB to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 19. Photo documentation was not required during this reporting period. Invasive species removal and native plant establishment, along with human impacts, remain the primary ongoing issues for follow-up. Quarterly monitoring data are summarized in the Site Record (see Table 5 in Attachment 3).

Overall, the site appears to be in very good condition with many species of trees and shrubs doing notably well. Reed canary grass continues to be present throughout the site, particularly on the hill at the south side of the site, west of the trail and remains a maintenance issue. Some alder or willow plantings along the creek should be considered to shade out the reed canary grass. Some of the recently planted Douglas fir trees seem to be rotting in their lower portions and may not survive. A meeting between the various interested parties at this site, including the City of Fife, City of Tacoma and the Trustees, is still being planned to ensure that activities being performed are coordinated.

The following activities were completed at the site during the reporting period:

- December 17 – The WCC performed an invasive sweep and trash removal.
- December 30 – The WCC removed invasive species.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## **2.6 Middle Waterway, City of Tacoma**

The Middle Waterway, City of Tacoma site is located on the west side and the head of the Middle Waterway near 11<sup>th</sup> Street. This 1.85 acre site provides intertidal habitat and salt marsh vegetation beneficial for juvenile salmonid migration. The riparian areas provide habitat for shore birds and other wildlife. The majority of the work at this site is performed in the marsh and riparian areas. Access to this site is off of F Street or 11<sup>th</sup> Street.

This site was constructed by the City of Tacoma in 2000. While the City's obligation under its Consent Decree required monitoring and maintenance of the site for only five years, the City has continued to maintain the site since those five years lapsed in 2006. Stewardship continues at this time through the ESP in coordination with CHB. The City is coordinating implementation of the overall task list with CHB to ensure that their efforts and the City's efforts are complementary.

A quarterly site visit performed by CHB took place on November 12. Photo documentation was not required during this reporting period. Invasive species and trash removal continue to be the primary concern at the site. Quarterly monitoring data are summarized in the Site Record (see Table 6 in Attachment 3).

Overall, the site is well established and appears generally healthy with many different species of plants looking quite healthy, including shore pine, garry oak, roses, ocean spray, salt grass and pickleweed. The willows are flourishing even though an estimated 40% of their population is showing some impact from the poplar/willow borer. There were no significant invasive species present and only minor trash observed. There were no other issues identified during the inspection.

The following activities were completed at the site during the reporting period:

- December 19 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species and garbage removal by the WCC.

## **2.7 Middle Waterway, Simpson**

The Middle Waterway, Simpson site is located on the east side and the head of the Middle Waterway near 11<sup>th</sup> Street, and adjacent to the Middle Waterway (City) site. This site provides intertidal habitat and salt marsh vegetation beneficial for juvenile salmonid migration. The riparian areas provide habitat for shore birds and other wildlife. A combination of mudflat areas, beach areas, and bank/wooded areas are present at the site. The majority of the work takes

place in the beach areas, however, most of the invasive species removal occurs in the bank/wooded areas. Access to this site is off of the Middle Waterway Access Road.

This site was constructed by Simpson in 1996. With the execution of the Settlement Agreement the City is responsible for stewardship of this site. The City has a contract with CHB, and is coordinating implementation of the overall task list with CHB to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 12. Photo documentation was not required during this reporting period. Invasive removal and presence of transients continue to be the primary concerns at the site. Quarterly monitoring data are summarized in the Site Record (see Table 7 in Attachment 3).

Overall, the site is well established and appears generally stable and healthy with many different species noted as doing well throughout the riparian and marsh areas. Some of the willows continue to show signs of damage from the poplar/willow borer. No significant invasive species were noted and only minor trash was present.

The following activities were completed at the site during the reporting period:

- December 19 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## **2.8 Olympic View (City) / Olympic View Triangle (DNR)**

The Olympic View site is located at the tip of the peninsula between the Thea Foss and Middle Waterways. This 12.4 acre site consists of restored beach, tidelands, and riparian areas. On-site, but just offshore, is one of the few remaining eelgrass beds in Commencement Bay. The majority of the work on this site takes place on the upper beach/riparian area. Access to this site is from the end of East F Street near Foss Maritime.

The Olympic View project included both cleanup and restoration and was constructed by the City of Tacoma in 2002. In 2007, the DNR Triangle portion of the site was completed by DNR, including remediation of some contaminated soil and the addition of salt marsh habitat. While the City's obligation under its Consent Decree required monitoring and maintenance of its portion of the site for only five years, the City has continued to maintain the site since those five years lapsed in 2007. Stewardship activities now continue through the ESP program in coordination with CHB. DNR also has an ongoing obligation for monitoring and maintenance of its portion of the site. The City is coordinating implementation of the overall task list with CHB and DNR to ensure that efforts are complementary.

A quarterly site visit performed by CHB took place on November 19. Photo documentation was not required during this reporting period. Invasive species removal and replanting along with establishment of marsh plants remain as the primary concerns at this site. In addition, ongoing erosion on the outer face of the triangle site and the filling in of the opening to the marsh are

being monitored. Quarterly monitoring data are summarized in the Site Record (see Table 8 in Attachment 3).

Most of the vegetation at the site remains in good condition and many species were noted as doing well in both the marsh and riparian areas. Snowberries are particularly vigorous throughout the site. Blackberries and thistle were the primary invasive species noted during the site visit. Erosion along the outer edge of the triangle area is ongoing with continued root exposure and some willows completely uprooted. In addition, the City has been in communication with the Port of Tacoma and the Trustees about erosion occurring mid-site at the northwest corner of the Cascade Capital warehouse structure and the required building reinforcement needed. Removal of a portion of the walkway and relocation of the sign may be needed in order to provide for adequate reinforcement of the structure. The City will continue to coordinate with the Port and Trustees to achieve a long term resolution. There were no other new concerns noted during the inspection.

The following activities were completed at the site during the reporting period:

- December 17 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## **2.9 Tahoma Salt Marsh**

The Tahoma Salt Marsh site is located along the Ruston Way shoreline near the Jack Hyde and Chinese Reconciliation Parks. This 1.95 acre bowl-shaped riparian and salt marsh habitat provides intertidal habitat for juvenile salmonids. The riparian areas provide habitat for shore birds and other wildlife. The site consists of a planted intertidal salt marsh area and surrounding riparian slope. The majority of the work at this site occurs within the bowl area in both the intertidal marsh and riparian zones. Access to this site is through the parking lot located across Ruston Way from Jack Hyde Park.

The Tahoma Salt Marsh project was constructed by the City in 2004. While the City's obligation under its Consent Decree required monitoring and maintenance of its portion of the site for only five years, the City has continued to maintain the site since those five years lapsed in 2008. Stewardship activities continue through the ESP in coordination with CHB. The City is coordinating implementation of the overall task list with CHB to ensure that their efforts and the City's efforts are complementary.

A quarterly site visit performed by CHB took place on November 5. Photo documentation was not required during this reporting period. Invasive removal continues to be the primary concern at the site. Quarterly monitoring data are summarized in the Site Record (see Table 9 in Attachment 3).

Overall, the site is well established, stable, and the vegetation is in good condition with many different species of plants thriving in both the riparian and marsh portions of the site. An estimated 30% of the willows are showing some signs of infestation by willow borers. Reed canary grass, blackberry and some common tansy were noted as the primary invasive species

present. The recently planted Douglas fir trees are still doing well. There were no issues of concern identified during the site visit.

The following activities were completed at the site during the reporting period:

- December 18 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## **2.10 Swan Creek**

The Swan Creek site is located just outside the City of Tacoma limits, bordered by Pioneer Way and the railroad tracks. These 12 acres include Swan Creek, the Haire wetland, and associated riparian areas. The created channels provide an improved surface water connection that allows easier passage for fish into the wetland complex. This site consists of many habitat types that provide avian, amphibian, and fish habitat for rearing, refuge, and foraging. The majority of the work at this site takes place in the riparian areas and near Channels A and B. Access to this site is from turnouts on Pioneer Way.

The Swan Creek project was constructed by the City in 2000. While the City's obligation under its Consent Decree required monitoring and maintenance of its portion of the site for only five years, the City has continued to maintain the site since those five years lapsed in 2006. Stewardship activities continue through the ESP in coordination with CHB. The City is coordinating implementation of the overall task list with CHB to ensure that their efforts and the City's efforts are complementary.

A quarterly site visit performed by CHB took place on November 16. Photo documentation was not required during this reporting period. Invasive species removal and plant establishment on the island continue to be the primary concerns at the site. Quarterly monitoring data are summarized in the Site Record (see Table 10 in Attachment 3).

Generally, the site appears healthy and well established with many different species of trees and shrubs thriving. Most of the recent plantings on the island are continuing to do quite well. Blackberry and reed canary grass were the primary invasive species noted during the inspection. Debris and the damaged fence from the demolition of the building on the adjacent property remain at this time. There were no new concerns noted during this site visit.

The following activities were completed at the site during the reporting period:

- November 12 – The WCC delivered plants to the island portion of the site in preparation for CHB's upcoming volunteer planting event.
- November 16 – CHB conducted a volunteer planting event. CHB staff, an EarthCorps crew and 14 adult volunteers planted 307 native plants on the island area. The majority of the plants were willows planted along the creek bank to help shade out reed canary grass.
- December 19 – The WCC performed an invasive sweep and trash removal.

See Section 2.11 below for a summary of approximate WCC, CHB, EarthCorps and volunteer hours worked at this site during the reporting period.

Work planned for this site in the next quarter includes quarterly monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## 2.11 Work Summary

The following is a summary of approximate work hours performed at the sites during the reporting period.

Site	WCC (hours)	CHB (hours)	EarthCorps (days)	Volunteer (hours)
Yowkwala	58	11	1	100
Skookum Wulge	2	1	--	--
Squally Beach	4	1	--	--
Mowitch	8	1	--	--
Jordan/Lower Hylebos Marsh	28	1	--	--
Middle Waterway – City	2	1	--	--
Middle Waterway – Simpson	4	1	--	--
Olympic View	6	1	--	--
Tahoma Salt Marsh	4	1	--	--
Swan Creek	12	11	1	70

## 3.0 Volunteer Involvement

CHB continued work on recruiting and involving volunteers in site activities as well as providing environmental education to the community. Volunteers were recruited through CHB's and other volunteer websites as well as at various events including Salmon Saturday at Swan Creek.

CHB conducted a volunteer planting event at the Yowkwala site on November 9. CHB staff worked with an EarthCorps crew and 20 volunteers to plant 210 native trees and shrubs at the mid-portion of the Yowkwala site. Mulch rings were placed around the new plants using approximately 5 cubic yards of mulch. In addition, CHB conducted a volunteer planting event at the Swan Creek site on November 16. CHB staff worked with an EarthCorps crew and 14 volunteers to plant 307 native plants on the island portion of the site. Willows were planted along the creek bank to help shade out reed canary grass.

Volunteer events at the sites are conducted approximately once a month throughout the year. For the next reporting period, CHB is planning a shoreline cleanup event in January, and an invasive removal event at Yowkwala in April.

## 4.0 Financial Summary

Financial information documenting the City's costs for each task performed between October 1, 2013 and December 31, 2013 is provided in Attachment 4. The work performed at each site is summarized in Section 2.0. As documented in Attachment 4, the City incurred the following costs during this time period:

Task 1	Project Management	\$1,237.43
Task 2	Reporting and Documentation	\$1,021.48
Task 3	Site Monitoring	\$0.00
Task 4	Site Maintenance*	\$10,323.62
Task 5	Adaptive Management	\$2,548.45
	General Maintenance and Monitoring	<u>\$6,258.47</u>
Year 6, Quarter 1 Total		\$21,389.45
Life-to-Date (12/31/13) Total		\$292,799.20

\* Based on 2013/2014 WCC crew rate of \$76.04/hr

# **Attachment 1**

## **2013 Task List**

**Environmental Stewardship Project  
2013 Task List**

Site	Category	Zone	Task Description	Priority	Timing
				1,2,3	Spr, S, F, W
<b>YOWKWALA</b>					
Yowkwala	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, butterfly bush, pampas grass, pepperweed) as directed by the Trustees.	1	On-going
Yowkwala	Planning	West, Middle, and Trail Backshore	Evaluate/estimate the need/cost for mass invasive species removal with planting of native species.	1	Spr
Yowkwala	Invasive Species	West, Middle, and Trail Backshore	Mass Invasive species removal along the flat backshore benches - not on slope.	1	Late S
Yowkwala	Supplemental Planting	West, Middle, and Trail Backshore	Planting of the above areas where invasive species have been removed.	1	F
Yowkwala	Supplemental Planting	Trail and Middle Backshore	Small scale (volunteer efforts) to remove invasives/re-plant.	1	S,F
<b>SKOOKUM WULGE</b>					
Skookum Wulge	Invasive Species	Backshore	Remove and treat regulated noxious weeds and other priority species (Himalayan blackberry, ivy, knotweed, pepperweed) as directed by the Trustees.	1	On-going
Skookum Wulge	Erosion	Beach	Monitor on-going erosion.	1	On-going
Skookum Wulge	Plant Salvage	Riparian	Salvage plants close to the erosional area as needed and move to on-site bare areas.	1	On-going
Skookum Wulge	Supplemental Planting	All Riparian	Evaluate for and propose (if needed) additional plants to achieve sufficient coverage and survivability in those non-eroding areas.	1	F
Skookum Wulge	Supplemental Planting	South Shoreline	Plant Dunegrass in area where knotweed was eradicated.	1	F (2012)
<b>SQUALLY BEACH</b>					
Squally Beach	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, knotweed, pepperweed, smooth cordgrass) as directed by the Trustees.	1	On-going
Squally Beach	Human Impacts	Marsh	Cut and remove exposed fish netting to the extent it will not damage plants during removal.	1	On-going
Squally Beach	Invasive Species	West Woods/Tribal Property	Treat (with herbicide) knotweed population to the west to control encroachment onto site (phased approach over time).	1	On-going
<b>MOWITCH</b>					
Mowitch	Invasive Species	Riparian F1-F7	Remove regulated noxious weeds and other priority species (Himalayan blackberry, pepperweed, phragmites) as directed by the Trustees.	1	On-going
Mowitch	Human Impacts	Marsh	Cut and remove exposed fish netting to the extent it will not damage plants during removal - even on outer most island.	3	On-going
Mowitch	Habitat Improvement	Upland	Distribute remaining mulch pile around the newest of plants.	1	W,Spr
<b>JORDAN</b>					
Jordan	Invasive Species	Marsh	Remove regulated noxious weeds and other priority species (Himalayan blackberry, reed canary grass, purple loosestrife) as directed by the Trustees.	1	On-going
Jordan	Supplemental Planting	Upland; E side of trail	Plant natives on slope and adjacent to slope where City of Fife removed blackberry.	1	F (2012)
<b>MIDDLE WATERWAY SIMPSON</b>					
Middle Waterway - Simpson	Invasive Species	Uplands	Remove regulated noxious weeds and other priority species (Himalayan blackberry) as directed by the Trustees.	1	On-going
<b>MIDDLE WATERWAY CITY</b>					
Middle Waterway - City	Invasive Species	Riparian	Remove regulated noxious weeds and other priority species (Himalayan blackberry, butterfly bush, reed canary grass) as directed by the Trustees.	1	On-going
Middle Waterway - City	Habitat Improvement	Riparian	Thin alders where existing conifers could use more light. Leave wood debris on site.	1	W (2012)
<b>OLYMPIC VIEW</b>					
Olympic View	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, pepperweed) as directed by the Trustees.	1	On-going
Olympic View	Erosion	Beach/Marsh	Monitor sedimentation/erosion and beach shift.	2	S,W
OVRA Triangle	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, knotweed) as directed by the Trustees.	1	On-going
OVRA Triangle	Planning	Salt Marsh	Evaluate for and propose additional plants to achieve sufficient coverage and survivability in the marsh area (pending engineered solution to maintain open tidal flow to salt marsh).	1	S
OVRA Triangle	Supplemental Planting	Salt Marsh	Plant bare areas of the marsh with appropriate species (pending solution to maintain open tidal flow to salt marsh).	1	F
OVRA Triangle	Habitat Improvement		Assist/participate in structural site modification to return function and surface water connection to salt marsh area per Trustee direction.	1	S
<b>TAHOMA SALT MARSH</b>					
Tahoma Salt Marsh	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, pepperweed) as directed by the Trustees.	1	On-going

**Environmental Stewardship Project  
2013 Task List (Proposed)**

<b>SWAN CREEK</b>					
Swan Creek	Invasive Species	Riparian/East and West Bank	Remove regulated noxious weeds and other priority species (Himalayan blackberry, ivy, Scott's broom, reed canary grass, policeman's helmet, poison hemlock, knotweed) as directed by the Trustees.	1	On-going
Swan Creek	Supplemental Planting	Back of Island; adjacent to creek	Harvest and install willow stakes with the intent of shading reed canary grass along the creek.	1	F (2012)
<b>HAUFF (site removed by Trustees)</b>					
<b>ALL SITES</b>					
All Sites	General		Cover rebar tops with caps.	1	On-going
All Sites	General		Garbage pickup (in accordance with SOW).	1	On-going
All Sites	General		Maintain access to and clean education signs as needed.	2	On-going
All Sites	General		Hire photographer to take photos at all sites.	1	Late Spr,S
<b>Color Legend:</b>					
Ongoing					
Remaining Efforts					
Proposed, New					

**Attachment 2**  
**2013 CHB Work Plan**







# **Attachment 3**

## **Site Record**

Table 1  
ESP Site Record

ESP Site Record:  
Yowkwala

Observational Categories	11/30/12 (CHB)	2/12/13 (City)	5/3/13 (CHB)	8/20/13 (City)	11/9/13 (CHB)
<b>Human Impacts</b>	A small pile of trash had been collected and piled up at the front of the site. There was also minor trash on the remainder of the site. Vandalism continues of the recently planted areas.	Minor trash and indication of one small fire pit and fishing area near the west end of the site	Moderate trash and some signs of partying were noted	Evidence of approximately three firepits was observed, along with a small lean-to with a blanket and pillow that should be removed. Minimal trash was noted. It appears as if the pepperweed in the marina area was sprayed along with the dune grass. Still no removal of the debris piled in the shoreline in this area	Some of the Dri-Water appears to have been damaged by foot traffic. Some trash is present, mixed in with the blackberries on the slope. Styrofoam and other miscellaneous trash is present associated with the tideline.
<b>Erosion</b>	None noted	Major gravel push/sedimentation has occurred after an extreme high tide winter storm. Gravel and wood debris that came in with the storm have covered much of back marsh.	None noted	Some additional erosion was noted in there area near the fallen madrone on the beach	Madrone on the upper slope continue to show exposed roots from past erosion on the hillside, but there is no significant change.
<b>Weeds</b>	No new species observed	Pampas grass was the only invasive noted, although blackberry and poison oak remain prevalent	Curled dock, pepperweed, morning glory, blackberry and wild pea were noted near the beginning of the beach. Scot's broom in the middle part of the beach along with butterfly bush and some blackberry.	Morning glory, nightshade, blackberry, pepperweed, thistle, hawkweed, pampas grass and mullein were noted	Blackberry and tansy ragwort were the only species noted
<b>Fencing</b>	No change	No change	No change	No change	No change
<b>Plantings</b>	None of the cedars have survived and eight of the shore pine are also dead. One of the mock orange had been pulled out but was replanted. There were several empty mulch rings	Gravel push has covered some recent plantings	Recent plantings are in need of some mulch. The beaked hazelnut is also doing well and the dune grass is flourishing. The gumweed mid-site in the back marsh area is also coming back	Overall plantings are doing well and need of some additional mulch. A few dead plants were noted. Additional plantings are needed in the cleared areas.	Plantings that had Dri-Water are doing particularly well
<b>Flora</b>	Some stress on two of the madrones was noted.	No plant stress noted and the site is in winter dormancy. Much of the gumweed in the back marsh has been covered with gravel and wood debris.	Various rose species are doing well. Some of the young shore pine are not doing as well.	Rose species are continuing to come in well in the cleared areas. Some drought stress was noted.	Vegetation is somewhat dry, but most species are doing well. Roses are bearing fruit and gumweed continues to spread.
<b>Fauna</b>	Eagles, hawk, juncos, flickers, great blue heron, and hummingbirds	Small avian species, sea gull, sea lion, hawk	Eagles	Great blue heron, crows, seagulls and small avian species	Seals, water fowl and small avian species
<b>Photo-documentation</b>	Not Taken	Taken	Not Taken	Taken	Not Taken

Table 2  
ESP Site Record

ESP Site Record:  
Skookum Wulge

Observational Categories	11/30/12 (CHB)	2/12/13 (City)	5/3/13 (CHB)	8/20/13 (City)	11/19/13 (CHB)
<b>Human Impacts</b>	Minor trash in the south marsh, particularly styrofoam	One large auto bumper was present but there was little other trash	Some trash was noted	One firepit was noted in the south area. Minimal trash was observed.	Minor trash associated with the tideline
<b>Erosion</b>	Erosion of the slope continues, with signs of recent slumping. The maple tree near the north end marsh has exposed roots.	High tide winter storm washed away much of the LWD from the northern marsh area and caused additional erosion of the slope	Erosion of the slope continues	Erosion of the slope continues	Erosion of the slope continues and plant salvage is an ongoing project
<b>Weeds</b>	Minor regrowth of ivy and blackberry in the south uplands	Scot's broom and ivy were noted	Scot's broom and ivy are present on the southern slope. Thistle, curled dock, blackberry and some pepperweed were also noted.	Some ivy is coming back and should be spot sprayed. Pea and Scot's broom were also noted.	Ivy and blackberry along the slope were noted
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	Most of the plants in the south uplands/slope area are doing well. The dune grass and gumweed planted on the south end in 2011 are doing well.	Most of the plants in the south marsh area washed away in the winter storm. Some of the dune grass survived.	No changes were noted	Mulch is needed around plants. Approximately half of the recent plantings on the south slope have survived. Additional plantings of dune grass, snowberry, ocean spray and shore pine would be beneficial.	Some of the recent plantings are collapsing down onto the beach due to the erosion
<b>Flora</b>	Several species doing notably well, including sword fern, coastal strawberry, Douglas fir, snowberry, Oregon grape and shore pine. Some insect gall was found on the roses. Fireweed, cottonwood, rushes and coastal strawberry are volunteering and spreading nicely.	Dune grass in the marsh area survived the winter storm. Generally the site is in winter dormancy. Some more plants need to be salvaged from the eroding slope.	Trailing blackberry, snowberry Oregon grape and red-flowering currant are all doing well. Rushes and alder and maple are volunteering on the site. The willows and cottonwood are in bloom and the dune grass along the edge of the north marsh is doing well.	Some drought stress was noted. One big leaf maple to the right of the sign has died. Cottonwood volunteers and dune grass were noted as doing well. Lots of lambs quarter was noted colonizing the north and south marsh areas since the gravel push.	Trailing blackberry, Douglas fir, snowberry, roses and coastal strawberries noted as doing well
<b>Fauna</b>	None noted	Geese and seagulls	Purple martins have been nesting in the boxes	Geese, small avian species and grasshoppers were noted	Seals
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 3  
ESP Site Record

ESP Site Record:  
Squally Beach

Observational Categories	11/30/12 (CHB)	2/12/13 (City)	5/3/13 (CHB)	8/20/13 (City)	11/19/13 (CHB)
<b>Human Impacts</b>	None noted	Minor trash	A car bumper was found on site	None noted	Trash is present along the roadway and in the tideline
<b>Erosion</b>	Minor erosion on the outside edge of the material that was used to create the small berms between the marsh and the mudflats was noted.	Minor erosion along the front of the site was noted	There is an undercut area underneath the willows on the northern end of the beach	Erosion has increased somewhat in the area at the north end under the willows and at the opening to the west island.	Minor erosion was noted along the slope
<b>Weeds</b>	Minor blackberry was noted on the berm	No new invasives noted	Wild pea, reed canary grass, and blackberry were noted throughout the berm and knotweed from the neighboring site continues to pose a threat.	A few small knotweed were noted under the willows at the north end. No spartina was observed. Small amounts of pepperweed and white sweet clover are present.	Only blackberry along the berm was noted
<b>Fencing</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	No recent plantings	Recent plantings are doing well	Some of the willow stakes are doing very well	Some invasive removal is needed in the recently planted area.	No change noted
<b>Flora</b>	Snowberry, Douglas fir, spruce, alder, willow and roses are all doing well. There are some galls on the roses. The salt grass, jaumea, rushes and gumweed are all doing well.	No plant stress was noted and the site is in winter dormancy. Some of the carex appeared to have been pulled out but not munched, and others that were partially eaten but still in the ground.	Douglas fir, other conifers, and snowberry appear healthy and willows, roses, alders, and ocean spray are also doing well. Salt grass, Lyngby sedge and pickleweed are all thriving in the marsh. Some tent caterpillars were observed on site.	No new volunteer species were noted. All plants were noted as well established and doing well. Some rose gall was observed.	Roses are thriving on site, and Douglas firs were also noted as doing well
<b>Fauna</b>	None noted	None noted	Various water fowl	Small avian species	None noted
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 4  
ESP Site Record

ESP Site Record:  
Mowitch

Observational Categories	11/30/12 (CHB)	2/12/13 (City)	5/3/13 (CHB)	8/20/13 (City)	11/19/13 (CHB)
<b>Human Impacts</b>	None noted	None noted	None noted	Minimal trash associated with the tideline	None noted
<b>Erosion</b>	None noted	None noted	None noted	No significant amount noted	None noted
<b>Weeds</b>	Reed canary grass was noted throughout the site. One large Fuller's teasel was also identified. Some insect damage to the willows and one alder was also noted.	Phragmites is still present on the opposite bank, so need to check this site in the spring	Reed canary grass, blackberry, curled dock and pepperweed were observed	There are still two areas of phragmites on site and a large patch on the opposite bank of the creek	Blackberry and reed canary grass were the primary species noted
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	No change noted	No change noted	Douglas fir are doing well	Only one of the four Douglas fir trees planted appears to have survived.	No change noted
<b>Flora</b>	There is a flat open area with no plants growing near the fence about mid-site. From the end of zone 1 and part of zone 2 there is a section with no adult trees. There are only shrubs and one young shore pine. Many of the planted species in both the riparian area and in the marsh/on the islands are doing well.	No plant stress was noted and the site is in winter dormancy	Hawthorne are in bloom. Dogwood, cottonwood, snowberry, red-flowering currant, rose and lupine are doing well. Some willows appear affected by the poplar/willow borer. Some fungus was observed on one Douglas fir tree.	Vegetation is very slowly populating the island areas. Tent caterpillars are present in about half of the alders. Some drought stress was noted but overall the site is doing well.	Vegetation entering winter dormancy but appears healthy. Douglas fir, willows, salt grass and pickleweed doing notably well. Lupine were noted as volunteering. Some willows show signs of the willow borer.
<b>Fauna</b>	Widgeons	Small avian species and geese	Killdeer, geese and signs of beaver usage	Killdeer, widgeon ducks, geese and small avian species	Water fowl, seagulls and signs of beaver usage
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 5  
ESP Site Record

ESP Site Record:  
Jordan

Observational Categories	11/30/12 (CHB)	2/12/13 (City)	5/30/13 (CHB)	8/22/13 (City)	11/19/13 (CHB)
<b>Human Impacts</b>	Several of the alders on the west side of the trail had orange flagging tied around them.	None noted. A WCC crew for the City of Fife was working on the hill above the bowl area east of the trail near platform 2 clearing blackberry off of the hillside.	None noted	Some social trails are present but only minimal trash. A blanket and trash were noted in one area near the 8th Street end.	Minor trash
<b>Erosion</b>	None noted	None noted	None noted	None noted	The area along the east hill near the 8th St entrance remains undercut, with some trees showing exposed roots
<b>Weeds</b>	The small hill on the west side of the trail is being overrun by RCG. There are no shrub species there, only some alder and conifers.	Only reed canary grass noted	Extensive reed canary grass is present in addition to some blackberry	Extensive reed canary grass remains and could be tied.	Reed canary grass continues to be the primary invasive species present at the site along with blackberry
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	Plantings from earlier in the month are doing well so far.	Recently placed plants in the bowl area are looking good	The recently planted Douglas fir trees are in danger of being overtaken by reed canary grass that has grown taller than them.	Some invasive removal is needed in order to determine whether recent plantings are surviving.	Some alder or willow plantings may be needed along the water to shade out the reed canary grass. Some of the recently planted Douglas firs are not doing well, appearing to be rotting on their lower portions.
<b>Flora</b>	Species noted as doing well include elderberry, Douglas fir, spruce, shore pine, snowberry, ocean spray, alder, sedges, dogwood, willows and trailing blackberry.	Overall site looks good with no plant stress noted. The site is in winter dormancy.	Salmonberry, alders and buttercups were noted. There were lots of horsetails volunteering. Approximately half of the young madrones have some blackened leaves.	Some drought stress was noted. Mulch should be placed around the plantings. Overall plants are doing well with good growth on conifers noted.	Many native species of trees and shrubs were noted as doing well in both the riparian and marsh areas
<b>Fauna</b>	Frogs	Beaver (no fresh evidence), hawk and small avian species	Songbirds	Small avian species, beavers and spiders	Thrushes, sparrows and various song birds were observed in addition to water fowl in the creek
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 6  
ESP Site Record

ESP Site Record:  
Middle Waterway, City

Observational Categories	11/28/12 (CHB)	2/14/13 (City)	5/31/13 (CHB)	8/22/13 (City)	11/12/13 (CHB)
<b>Human Impacts</b>	A hole was discovered in the side riparian area filled with a torn red plastic bag and white fur. The fur was also found a few feet away. There were no bones noted.	Minor trash	None noted	Limbs were trimmed up 14' on the NW side of the square marsh at the adjacent property owners request as he plans to install a 6' fence on the property line. Minor trash was noted along the tideline.	Minor trash associated with the tideline
<b>Erosion</b>	None noted	None noted	None noted	No significant erosion noted	None noted
<b>Weeds</b>	No new species noted	No new species were noted	White sweet clover is present and should be removed as soon as possible before it goes to seed. Reed canary grass and blackberry are also present.	White sweet clover	None noted
<b>Fencing</b>	No change noted	One post on F St. was leaning slightly, but overall looks good	No change noted	No change noted	No change noted
<b>Plantings</b>	Most recent plantings are not doing particularly well.	No change noted	No change noted	No recent plantings	No recent plantings
<b>Flora</b>	There are a couple of volunteer alder in the center of the square marsh. Some of the willows are showing signs of insect damage.	Vegetation is generally looking good with winter dormancy. Some enhancement of the bare areas may be considered in the fall.	Vegetation appears healthy with willows flourishing despite some borer impact. Alder, cottonwood, conifers, rushes, saltgrass and pickleweed all doing particularly well. Some of the madrones have black spotty leaves.	Some tent caterpillars are present. Overall plants are doing well with some drought stress noted.	Most plant species were noted as doing well, including shore pine, garry oak, bald hip roses, ocean spray, salt grass and pickleweed. Approximately 40% of the willows are showing signs of borer infestation. Lupines were noted as volunteering.
<b>Fauna</b>	None noted	Small avian species, sea gulls, geese, crow and rabbits	Songbirds	Great blue heron, crows and crickets	Finches and thrushes, along with clams in the tideflat
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 7  
ESP Site Record

ESP Site Record:  
Middle Waterway, Simpson

Observational Categories	11/28/12 (CHB)	2/14/13 (City)	5/31/13 (CHB)	8/22/13 (City)	11/12/13 (CHB)
<b>Human Impacts</b>	None noted	A transient was present on site under tree near S. 11th St. The authorities have been notified. No trash was noted.	Minor trash	A social trail is present in the upper intertidal area due to a transient camp found on the peninsula between this site and the Middle Waterway Tideflat site. Another camp area is located near the corner of 11th and Middle Waterway streets. Some trash associated with these camp areas is present.	Some damage to the Dri-Water was noted, perhaps due to site usage
<b>Erosion</b>	None noted	High winter tide shifted LWD and caused some erosion in areas near mid-site that had not been affected before	A small section of the berm near the north end is being undercut and should be watched	No change noted	No change
<b>Weeds</b>	Common tansy was noted near 11th Street, and blackberry and some ivy were found at the north end around the point.	No new species were noted	Poison hemlock is present along with curled dock, blackberry and at least one white sweet clover plant	Reed canary grass is present along East 11th St.	None noted
<b>Fencing</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	No change noted	Recent plantings were noted as doing well	No change noted	Recent plantings are continuing to do well	Recent plantings appear healthy
<b>Flora</b>	Some insect damage to the willows was noted. Oregon grape, Douglas fir, baldhip rose, snowberry and madrone all appear healthy. The pickleweed and salt grass are doing well as are the sedges at the south end. Dune grass is continuing to spread. One dead shorepine was noted near 11th St.	Plants are coming out of winter dormancy and showing some signs of spring. Spacing of plants looks good so additional plantings are not needed at this time.	Some of the madrones have black spotty leaves. Many of the willows show signs of damage from the willow borers. Roses, ocean spray, maple, cottonwood, kinnickinick, lupine, Douglas fir, pickleweed, saltgrass, plantain and dune grass are all doing notably well.	All plants appear to be doing well with some drought stress noted. Some dri-water has been installed.	Many of the plant species in both the riparian and marsh areas were noted as doing quite well. The madrones and some willows show some signs of stress/infestation.
<b>Fauna</b>	Sand pipers, a green-winged teal and signs of rabbit presence	Small avian species, seagulls and geese	Killdeer, Great blue heron, goldfinch and a rabbit	Great blue heron and cricket	Great blue heron, waterfowl species and signs of rabbits
<b>Photo-documentation</b>	Not taken	Taken	None taken	Taken	Not taken

Table 8  
ESP Site Record

ESP Site Record:  
Olympic View, City/DNR

Observational Categories	11/28/12 (CHB)	2/15/13 (City)	5/31/13 (CHB)	8/22/13 (City)	11/19/13 (CHB)
<b>Human Impacts</b>	A time lapse camera has been installed by DNR on a large log in the marsh facing the marsh opening. Minor trash is present.	Minor trash associated with the high tide line	None noted	Minor trash associated with the high tide line	Minor trash along the tideline and a large tarp entangled in the rocks at the water's edge
<b>Erosion</b>	No change noted. Erosion behind the iron bulkhead, on the outer edge, and under the building are continuing. The opening to the marsh is still quite small and the berm of sand and rock to the east continues to grow.	Erosion along the outer shoreline continues. There is root exposure with some willows completely uprooted. Some areas on the berm were almost breached by the high winter tide. Significant push of gravels has effectively cut off the marsh entrance.	Tidal forces continue to undercut the outer edge of the triangle portion of the site, exposing willow roots	Erosion is continuing on the outer edge and near willows. Opening however is effectively closed.	Erosion is continuing with some of the willows slipping/fallen or having exposed roots
<b>Weeds</b>	No new species noted	No new species noted	Curled dock was noted along with potentially some tansy ragwort	Mustard, pepperweed and St. John's wort	Blackberry and thistle were the primary invasives noted
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	No change noted - plants near the gate are continuing to do well.	Plants are in fair condition	Willows, ninebark and roses are all doing well. Fireweed is coming in along with American winter cress. Fireweed may require thinning so that it doesn't out-compete the planted species.	Recent plantings near the fenceline/gate are doing well but needs invasive removal	No change noted
<b>Flora</b>	Some rabbit damage was noted but otherwise most vegetation appears healthy.	Plants are coming out of winter dormancy. Some of the roses have been cut by rabbits and other species. Some roses have black spot.	Brass buttons and gumweed are volunteering. Roses, willow and Oregon grape were noted as doing well. A madrone near the boardwalk is showing black, spotty leaves.	Algae is present on the standing water in the marsh. Some drought stress was noted. There is some red goosefoot growing on the outer shoreline. A few plants are present in the marsh including potentilla, pickleweed, atriplex, brass buttons and salt grass.	Many of the native species were noted as doing well including snowberry, red-flowering currant, trailing blackberry, willows, madrones, maples, Nootka rose, pickleweed, salt grass and fleshy jaumea. Snowberries are particularly vigorous.
<b>Fauna</b>	None noted	Small avian species, geese and ducks	Geese, killdeer and rabbit	Geese, Caspian terns, crows, rabbit and raccoon	Water fowl, mussels, clams, barnacles and rabbits
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 9  
ESP Site Record

ESP Site Record:  
Tahoma Salt Marsh

Observational Categories	11/28/12 (CHB)	2/13/13 (City)	5/31/13 (CHB)	8/20/13 (City)	11/5/13 (CHB)
<b>Human Impacts</b>	Minor trash	Some increase in site usage is evident since the opening of the adjacent Chinese Reconciliation Park, mostly cross-site trails in the riparian area, but no disturbance of the marsh at this time. Only minor trash is present.	None noted	Many social trails are present. Minor trash is also present.	Minor trash
<b>Erosion</b>	At the southeast bank some of the willows have exposed roots	Some minor erosion associated with the high winter tide was noted	No change noted	No significant erosion was observed.	No change noted
<b>Weeds</b>	No new species noted	Reed canary grass is still persistent, but there is minimal presence of other invasives	Pepperweed was noted on the outer edge nearest the water, as were thistles and blackberry. Reed canary grass is present at both the east and west ends of the site. Tansy ragwort was noted in 3 places along the berm near where the Douglas firs were recently planted. There is some blackberry along the south edge nearest the road.	Reed canary grass, thistle, and a few blackberry	Reed canary grass and blackberry were noted along with tansy ragwort
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	No change noted	No change noted	No change noted	Recently planted Douglas fir are all doing well	No change noted. Recently planted Douglas firs are still doing well.
<b>Flora</b>	One dead shore pine was found at the south end by the chain link fence. Some insect damage to the willows was noted. Other vegetation appears healthy, including Douglas fir, snowberry, ocean spray, shore pine, spruce and cottonwood. Marsh species have died back for winter, but appear healthy.	Much growth has been realized in the last 18 months. Some large firs will be planted to fill in some bare spots. Some shredding of bark was noted - potentially by deer. Approximately half of the willows have experienced some borer damage.	Ocean spray, Oregon grape, nine bark, black twinberry, red-flowering currant, pickleweed, salt grass and gumweed were some of the many plants noted as doing well at the site. Some of the Douglas firs appear partially dead but also have new growth. Some insect damage was noted on one alder.	Oregon grape is continuing to spread very nicely and the cottonwood were noted as doing well. Fleshy jaumea was noted in the marsh. Some drought stress was observed.	Many of the native species on site are doing quite well including willows, shore pine, ocean spray, red-flowering currant, Douglas fir, brass buttons, salt grass and pickleweed. Approximately 30% of the willows are showing some signs of infestation.
<b>Fauna</b>	Golden-eyed barrows were identified offshore and hummingbirds	Small avian species, geese, pigeons, rabbit and duck	Pine grosbeak, a hummingbird and geese	Cricket and dog evidence	Small songbirds, water fowl and seagulls
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Taken	Not taken

Table 10  
ESP Site Record

ESP Site Record:  
Swan Creek

Observational Categories	11/28/12 (CHB)	2/13/13 (City)	5/31/13 (CHB)	8/22/13 (City)	11/16/13 (CHB)
<b>Human Impacts</b>	Some of the small trees/shrubs had orange flagging tape around them. The creek was running high and the wooden plank was missing so the island was inaccessible.	Cell tower still does not appear to have cells at the top. The chain link fence was detached and tower was accessible. With the exception of the debris from the adjacent site, only minor trash was present.	None noted	The City mulched the trail leading to the informational sign.	Minor trash
<b>Erosion</b>	None noted	None noted	None noted	No new erosion noted	No new erosion noted
<b>Weeds</b>	No new species noted	Reed canary grass on the island was noted	Policeman's helmet and Herb Robert were found along the creek. Reed canary grass is present throughout the site. There is common tansy in several places and some blackberry, vetch and Scot's broom noted.	Blackberry, reed canary grass, ivy and policeman's helmet	Blackberry and reed canary grass were the primary species noted
<b>Fencing</b>	No change noted	Still needs repair	No change noted	No change noted. Chain still missing and some bollards are down.	No change noted
<b>Plantings</b>	The small cedars that were recently planted by the WCC did not survive	Recent plantings on the island are doing well but must be watered this summer to give the best chance of survival	A couple of the small conifers have not survived	Overall recent plantings are doing well.	Generally continuing to do well
<b>Flora</b>	A couple of large trees were down across the creek, possibly from beaver activity. There were also several large limbs down near the road. At least one had beaver marks on the end.	Plants are all filling in well. Some beaver damage was noted. There was some fungus noted on a large madrone near photo point 3.	Oregon grape, rose, nine bark, willow, alder and elderberry were noted as doing well. There is one dead cedar and a couple of the madrones have black, spotty leaves along with several of the cottonwood.	Overall site is established and doing very well. Some snowberry at the north end appear to have been defoliated by bugs or a fungus. Minor beaver damage was observed.	Many native species are doing quite well including red-flowering currant, snowberry, Nootka rose, bald hip roses, alders, Oregon grape, willows, cattails and various grass species. A couple of madrones are showing some signs of stress.
<b>Fauna</b>	Salmon, mallards, widgeons and hood mergansers	Small avian species, ducks, chickadee, great blue heron and beaver	Ducks with babies, and signs of beaver presence	Beaver, snakes, spiders, kingfisher, ducks and small avian species	Beaver dam is still intact. Waterfowl including mallards, wood ducks, and golden eyes.
<b>Photo-documentation</b>	Not Taken	Taken	Not taken	Taken	Not taken

# **Attachment 4**

## **Financial Summary**

**Consolidated Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,237.43	\$0.00	\$0.00	\$1,237.43
Reporting and Documentation (-02)	\$1,021.48	\$0.00	\$0.00	\$1,021.48
<b>Sub Total*</b>	\$2,258.91	\$0.00	\$0.00	\$2,258.91
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$590.50	\$0.00	\$590.50
WCC Crew (\$76.04/hr)	\$9,733.12	\$0.00	\$0.00	\$9,733.12
Adaptive Maintenance (-xx-03)	\$746.80	\$1,801.65	\$0.00	\$2,548.45
General Maintenance and Monitoring (-30)	\$0.00	\$6,258.47	\$0.00	\$6,258.47
<b>Sub Total</b>	\$10,479.92	\$8,650.62	\$0.00	\$19,130.54
<b>Grand Total</b>	\$12,738.83	\$8,650.62	\$0.00	\$21,389.45

Life to 12/31/13

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$22,609.28	\$323.12	\$0.00	\$22,932.40
\$24,951.63	\$0.00	\$0.00	\$24,951.63
\$47,560.91	\$323.12	\$0.00	\$47,884.03
\$15,361.60	\$0.00	\$0.00	\$15,361.60
\$97.19	\$10,589.49	\$0.00	\$10,686.68
\$117,661.64	\$0.00	\$0.00	\$117,661.64
\$10,127.18	\$16,518.61	\$0.00	\$26,645.79
\$1,416.96	\$73,142.50	\$0.00	\$74,559.46
\$144,664.57	\$100,250.60	\$0.00	\$244,915.17
\$192,225.48	\$100,573.72	\$0.00	\$292,799.20

\* Per the Settlement Agreement, the total for Tasks 1 and 2 was not to exceed \$29,535. This amount was exceeded during the first quarter of Year 4. Costs for Tasks 1 and 2 continue to be tracked for informational purposes.

**ESP Financing Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

Project Task	10/01/13 through 12/31/13	Life to 09/30/13
ESP Financing (-20)		\$388,000.00
Payment to NOAA		(\$30,000.00)
Payment to EPA		(\$89,500.00)
Transferred to Escrow		\$286,500.00
Credit Received		(\$212,092.63)
Balance Available		\$74,407.37

**Project Management Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,237.43	\$0.00	\$0.00	\$1,237.43

Life to 12/31/13

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$22,609.28	\$323.12	\$0.00	\$22,932.40

**Reporting and Documentation Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Reporting and Documentation (-02)	\$1,021.48	\$0.00	\$1,021.48

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$24,951.63	\$0.00	\$24,951.63

**Yowkwala Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-03-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-03-02)	\$0.00	\$443.50	\$443.50
WCC Crew (\$76.04/hr)	\$4,410.32	\$0.00	\$4,410.32
Adaptive Maintenance (-03-03)	\$595.04	\$577.42	\$1,172.46
<b>Grand Total</b>	<b>\$5,005.36</b>	<b>\$1,020.92</b>	<b>\$6,026.28</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,772.40	\$0.00	\$1,772.40
\$0.00	\$2,783.24	\$2,783.24
\$13,026.04	\$0.00	\$13,026.04
\$882.58	\$2,610.99	\$3,493.57
<b>\$15,681.02</b>	<b>\$5,394.23</b>	<b>\$21,075.25</b>

**Skookum Wulge Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-04-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-04-02)	\$0.00	\$32.50	\$32.50
WCC Crew (\$76.04/hr)	\$152.08	\$0.00	\$152.08
Adaptive Maintenance (-04-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$152.08</b>	<b>\$32.50</b>	<b>\$184.58</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,188.19	\$0.00	\$1,188.19
\$0.00	\$1,648.92	\$1,648.92
\$9,465.02	\$0.00	\$9,465.02
\$7,206.37	\$1,779.36	\$8,985.73
<b>\$17,859.58</b>	<b>\$3,428.28</b>	<b>\$21,287.86</b>

**Squally Beach Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-05-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-05-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$76.04/hr)	\$304.16	\$0.00	\$304.16
Adaptive Maintenance (-05-03)	\$0.00	\$123.98	\$123.98
<b>Grand Total</b>	<b>\$304.16</b>	<b>\$123.98</b>	<b>\$428.14</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,178.62	\$0.00	\$1,178.62
\$0.00	\$1,257.65	\$1,257.65
\$6,578.54	\$0.00	\$6,578.54
\$153.42	\$472.32	\$625.74
<b>\$7,910.58</b>	<b>\$1,729.97</b>	<b>\$9,640.55</b>

**Mowitch Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-06-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-06-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$76.04/hr)	\$608.32	\$0.00	\$608.32
Adaptive Maintenance (-06-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$608.32</b>	<b>\$0.00</b>	<b>\$608.32</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,389.80	\$0.00	\$1,389.80
\$0.00	\$198.88	\$198.88
\$6,426.00	\$0.00	\$6,426.00
\$102.28	\$538.98	\$641.26
<b>\$7,918.08</b>	<b>\$737.86</b>	<b>\$8,655.94</b>

**Jordan / Lower Hylebos Marsh Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-07-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-07-02)	\$0.00	\$45.50	\$45.50
WCC Crew (\$76.04/hr)	\$2,129.12	\$0.00	\$2,129.12
Adaptive Maintenance (-07-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$2,129.12</b>	<b>\$45.50</b>	<b>\$2,174.62</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$2,115.67	\$0.00	\$2,115.67
\$46.05	\$616.95	\$663.00
\$17,120.20	\$0.00	\$17,120.20
\$1,022.04	\$1,210.73	\$2,232.77
<b>\$20,303.96</b>	<b>\$1,827.68</b>	<b>\$22,131.64</b>

**Middle Waterway-City of Tacoma Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-08-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-08-02)	\$0.00	\$13.00	\$13.00
WCC Crew (\$76.04/hr)	\$152.08	\$0.00	\$152.08
Adaptive Maintenance (-08-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$152.08</b>	<b>\$13.00</b>	<b>\$165.08</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,141.73	\$0.00	\$1,141.73
\$0.00	\$389.42	\$389.42
\$9,234.26	\$0.00	\$9,234.26
\$51.14	\$1,958.36	\$2,009.50
<b>\$10,427.13</b>	<b>\$2,347.78</b>	<b>\$12,774.91</b>

**Middle Waterway-Simpson Tacoma Kraft Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-09-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-09-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$76.04/hr)	\$304.16	\$0.00	\$304.16
Adaptive Maintenance (-09-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$304.16</b>	<b>\$0.00</b>	<b>\$304.16</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,238.38	\$0.00	\$1,238.38
\$0.00	\$940.48	\$940.48
\$3,152.81	\$0.00	\$3,152.81
\$51.14	\$3,034.88	\$3,086.02
<b>\$4,442.33</b>	<b>\$3,975.36</b>	<b>\$8,417.69</b>

**Olympic View Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-10-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-10-02)	\$0.00	\$10.00	\$10.00
WCC Crew (\$76.04/hr)	\$456.24	\$0.00	\$456.24
Adaptive Maintenance (-10-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$456.24</b>	<b>\$10.00</b>	<b>\$466.24</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,150.09	\$0.00	\$1,150.09
\$0.00	\$379.54	\$379.54
\$9,524.08	\$0.00	\$9,524.08
\$250.75	\$515.58	\$766.33
<b>\$10,924.92</b>	<b>\$895.12</b>	<b>\$11,820.04</b>

**Tahoma Salt Marsh Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-12-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-12-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$76.04/hr)	\$304.16	\$0.00	\$304.16
Adaptive Maintenance (-12-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$304.16</b>	<b>\$0.00</b>	<b>\$304.16</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,179.71	\$0.00	\$1,179.71
\$0.00	\$341.32	\$341.32
\$5,604.89	\$0.00	\$5,604.89
\$0.00	\$986.56	\$986.56
<b>\$6,784.60</b>	<b>\$1,327.88</b>	<b>\$8,112.48</b>

**Swan Creek Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-13-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-13-02)	\$0.00	\$46.00	\$46.00
WCC Crew (\$76.04/hr)	\$912.48	\$0.00	\$912.48
Adaptive Maintenance (-13-03)	\$151.76	\$1,100.25	\$1,252.01
<b>Grand Total</b>	<b>\$1,064.24</b>	<b>\$1,146.25</b>	<b>\$2,210.49</b>

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,679.91	\$0.00	\$1,679.91
\$51.14	\$2,033.09	\$2,084.23
\$37,529.80	\$0.00	\$37,529.80
\$407.46	\$3,410.85	\$3,818.31
<b>\$39,668.31</b>	<b>\$5,443.94</b>	<b>\$45,112.25</b>

**Lower Hylebos Habitat Restoration Site Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-14-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-14-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$76.04/hr)	\$0.00	\$0.00	\$0.00
Adaptive Maintenance (-14-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$0.00	\$0.00	\$0.00

Life to 12/31/13

Personnel Service	Supplies & Service	Grand Total
\$1,327.08	\$0.00	\$1,327.08
\$0.00	\$0.00	\$0.00
\$0.00	\$0.00	\$0.00
\$0.00	\$0.00	\$0.00
\$1,327.08	\$0.00	\$1,327.08

**General Maintenance and Monitoring Summary - ENV-00371 - Environmental Stewardship Project (ESP)**

10/01/13 through 12/31/13

Life to 12/31/13

Project Task	Personnel Service	Supplies & Service	Grand Total
General Maintenance and Monitoring (-30)	\$0.00	\$6,258.47	\$6,258.47

Personnel Service	Supplies & Service	Grand Total
\$1,416.96	\$73,142.50	\$74,559.46

Layout  
Object  
Cost Element  
Posting Date

/1SAP  
WBS ENV-00371  
5195000 To 5310100  
10/01/2013 To 12/31/2013

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Act-Labor Regular...

Postg Date	Object	Cost Elem	Cost elem name	Val in MC	Suppl. Appl. Name	Partner Object
10/31/2013	ENV-00371	5195000	Act-Labor Regular	303.52		ENV-00371-01
10/31/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-01
10/31/2013	ENV-00371	5195000	Act-Labor Regular	788.00		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	303.52		ENV-00371-01
11/30/2013	ENV-00371	5195000	Act-Labor Regular	303.52		ENV-00371-01
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-01
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37-		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37-		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-02
11/30/2013	ENV-00371	5195000	Act-Labor Regular	303.52-		ENV-00371-03
11/30/2013	ENV-00371	5195000	Act-Labor Regular	303.52		ENV-00371-03
11/30/2013	ENV-00371	5195000	Act-Labor Regular	303.52-		ENV-00371-03
11/30/2013	ENV-00371	5195000	Act-Labor Regular	303.52		ENV-00371-03
11/30/2013	ENV-00371	5195000	Act-Labor Regular	291.52		ENV-00371-03
11/30/2013	ENV-00371	5195000	Act-Labor Regular	151.76-		ENV-00371-13
11/30/2013	ENV-00371	5195000	Act-Labor Regular	151.76		ENV-00371-13
11/30/2013	ENV-00371	5195000	Act-Labor Regular	151.76		ENV-00371-13
11/30/2013	ENV-00371	5195000	Act-Labor Regular	151.76-		ENV-00371-13
11/30/2013	ENV-00371	5195000	Act-Labor Regular	151.76		ENV-00371-13
12/31/2013	ENV-00371	5195000	Act-Labor Regular	151.76		ENV-00371-01
12/31/2013	ENV-00371	5195000	Act-Labor Regular	58.37		ENV-00371-01
12/31/2013	ENV-00371	5195000	Act-Labor Regular	175.11		ENV-00371-02
11/30/2013	ENV-00371	5210500	Landscape Equ & Sup	400.00		ENV-00371-03
11/30/2013	ENV-00371	5210500	Landscape Equ & Sup	577.42		ENV-00371-03
11/30/2013	ENV-00371	5210500	Landscape Equ & Sup	123.98		ENV-00371-05
11/30/2013	ENV-00371	5210500	Landscape Equ & Sup	15.00		ENV-00371-13
11/30/2013	ENV-00371	5210500	Landscape Equ & Sup	1,100.25		ENV-00371-13
10/31/2013	ENV-00371	5310100	Professional Servs	6,258.47		ENV-00371-20
*	ENV-00371			11,480.83		
10/05/2013	ENV-00371-01	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
10/05/2013	ENV-00371-01	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
10/05/2013	ENV-00371-01	5195000	Act-Labor Regular	58.37	Mary L Henley	521600/P20830
11/16/2013	ENV-00371-01	5195000	Act-Labor Regular	303.52	Desiree K Pooley	521600/L20930
11/27/2013	ENV-00371-01	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
11/27/2013	ENV-00371-01	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
11/16/2013	ENV-00371-01	5195000	Act-Labor Regular	58.37	Mary L Henley	521600/P20830
12/13/2013	ENV-00371-01	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
12/27/2013	ENV-00371-01	5195000	Act-Labor Regular	58.37	Mary L Henley	521600/P20830
*	ENV-00371-01			1,237.43		
10/05/2013	ENV-00371-02	5195000	Act-Labor Regular	116.74	Mary L Henley	521600/P20830
10/19/2013	ENV-00371-02	5195000	Act-Labor Regular	379.41	Mary L Henley	521600/P20830
10/19/2013	ENV-00371-02	5195000	Act-Labor Regular	233.48	Mary L Henley	521600/P20830
10/05/2013	ENV-00371-02	5195000	Act-Labor Regular	58.37	Mary L Henley	521600/P20830
11/01/2013	ENV-00371-02	5195000	Act-Labor Regular	58.37	Mary L Henley	521600/P20830
12/13/2013	ENV-00371-02	5195000	Act-Labor Regular	116.74	Mary L Henley	521600/P20830
12/13/2013	ENV-00371-02	5195000	Act-Labor Regular	58.37	Mary L Henley	521600/P20830
*	ENV-00371-02			1,021.48		
11/30/2013	ENV-00371-03	5195000	Act-Labor Regular	303.52		ENV-00371-03-03
11/30/2013	ENV-00371-03	5195000	Act-Labor Regular	303.52		ENV-00371-03-03
11/30/2013	ENV-00371-03	5195000	Act-Labor Regular	303.52-		ENV-00371-03-03

Layout  
Object  
Cost Element  
Posting Date

/1SAP  
WBS ENV-00371  
5195000 To 5310100  
10/01/2013 To 12/31/2013

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Act-Labor Regular...

Posting Date	Object	Cost Elem	Cost elem name	Val in \$	Empl. Appl. Name	Partner object
11/30/2013	ENV-00371-03	5195000	Act-Labor Regular	303.52-		ENV-00371-03-03
11/30/2013	ENV-00371-03	5195000	Act-Labor Regular	303.52		ENV-00371-03-03
11/30/2013	ENV-00371-03	5195000	Act-Labor Regular	291.52		ENV-00371-03-03
11/30/2013	ENV-00371-03	5210500	Landscape Equ & Sup	400.00		ENV-00371-03-02
11/30/2013	ENV-00371-03	5210500	Landscape Equ & Sup	577.42		ENV-00371-03-03
				1,572.46		
* 11/26/2013	ENV-00371-03-02	5210500	Landscape Equ & Sup	400.00	<i>CDT TAGRO</i>	
	ENV-00371-03-02			400.00		
11/01/2013	ENV-00371-03-03	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
11/01/2013	ENV-00371-03-03	5195000	Act-Labor Regular	151.76	Desiree K Pooley	521600/L20930
11/13/2013	ENV-00371-03-03	5195000	Act-Labor Regular	291.52	Michael Roper	523410/L50070
11/27/2013	ENV-00371-03-03	5210500	Landscape Equ & Sup	283.52	<i>Balance Restoration Nuresky</i>	
11/27/2013	ENV-00371-03-03	5210500	Landscape Equ & Sup	293.90	<i>Wabash Friends</i>	
				1,172.46		
* 11/30/2013	ENV-00371-05	5210500	Landscape Equ & Sup	123.98		ENV-00371-05-03
	ENV-00371-05			123.98		
* 11/27/2013	ENV-00371-05-03	5210500	Landscape Equ & Sup	123.98	<i>Wabash Friends</i>	
	ENV-00371-05-03			123.98		
11/30/2013	ENV-00371-13	5195000	Act-Labor Regular	151.76-		ENV-00371-13-03
11/30/2013	ENV-00371-13	5195000	Act-Labor Regular	151.76-		ENV-00371-13-03
11/30/2013	ENV-00371-13	5195000	Act-Labor Regular	151.76-		ENV-00371-13-03
11/30/2013	ENV-00371-13	5195000	Act-Labor Regular	151.76-		ENV-00371-13-03
11/30/2013	ENV-00371-13	5195000	Act-Labor Regular	151.76		ENV-00371-13-03
11/30/2013	ENV-00371-13	5210500	Landscape Equ & Sup	15.00		ENV-00371-13-02
11/30/2013	ENV-00371-13	5210500	Landscape Equ & Sup	1,100.25		ENV-00371-13-03
				1,267.01		
* 11/26/2013	ENV-00371-13-02	5210500	Landscape Equ & Sup	15.00	<i>CDT TAGRO</i>	
	ENV-00371-13-02			15.00		
11/01/2013	ENV-00371-13-03	5195000	Act-Labor Regular	75.88	Desiree K Pooley	521600/L20930
11/01/2013	ENV-00371-13-03	5195000	Act-Labor Regular	75.88	Desiree K Pooley	521600/L20930
11/27/2013	ENV-00371-13-03	5210500	Landscape Equ & Sup	1,100.25	<i>Wabash Friends</i>	
				1,252.01		
* 10/31/2013	ENV-00371-20	5310100	Professional Servs	6,258.47		ENV-00371-30-01
	ENV-00371-20			6,258.47		
* 10/21/2013	ENV-00371-30-01	5310100	Professional Servs	6,258.47	<i>CHB</i>	
	ENV-00371-30-01			6,258.47		
**				32,183.58		



Washington Conservation Corps - City of Tacoma Timesheet

Month: November Year: 2013

	f	s	s	m	t	w	th	f	s	s	m	t	w	th	f	s	s	m	t	w	th	f	s	s	m	t	w	th	f	s	s
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>Project Name:</b>	hrs																														
Landfill Nursery				20		20							10						6	6											
Yokwala ^					20		20					12																			
Swan Creek*												6																			
Scarcella Plat													20	10																	
Landfill Buffer																			20	14											
56th and Tyler																					14	20									
First Creek																									20	20					



Yokwala

City of Tacoma

Customer: SCI100  
 Card: 806088  
 Truck: 806088  
 Ticket #: 1207921  
 Date: 12/16/13  
 Time In: 17:49  
 Time Out: 17:54  
 Turnaround: 5  
 Operator: KW  
 Site: LF

Gr: 8180 Tr: 8000 NET: 180  
 Gr:1 Tr: 2  
 15 - City Com SW  
 Lg Furniture City \$11.00  
 Tires Off City \*\$6.50

TIP FEE: 13.00  
 SPEC FEE: 17.50  
 UTILITY TAX: 0.00  
 ADJ: 0.00  
 TOTAL FEE: \$30.50  
 TENDERED: 30.50

Payment:  
 1 - Charge \$30.50

NOTE:

Signature: \_\_\_\_\_

Yowkwala

City of Tacoma

Customer: SCI100  
 Card: 806088  
 Truck: 806088  
 Ticket #: 1190519  
 Date: 11/06/13  
 Time In: 08:48  
 Time Out: 08:54  
 Turnaround: 6  
 Operator: RL2  
 Site: LF

Gr: 7840 Tr: 7720 NET: 120  
 Gr:1 Tr: 2  
 15 - City Com SW

TIP FEE: 13.00  
 SPEC FEE: 0.00  
 UTILITY TAX: 0.00  
 ADJ: -0.00  
 TOTAL FEE: \$13.00  
 TENDERED: 13.00

Payment:  
 1 - Charge \$13.00

NOTE:

Signature: \_\_\_\_\_

\$43.50

Stookum surge

City of Tacoma

Customer: SCI100  
Card: 806088  
Truck: 806088  
Ticket #: 1207795  
Date: 12/16/13  
Time In: 14:16  
Time Out: 14:28  
Turnaround: 12  
Operator: KW  
Site: LF

Gr: 9320 Tr: 8860 NET: 3460  
Gr:1 Tr: 2  
15 - City Com SW

TIP FEE: 32.50  
SPEC FEE: 0.00  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$32.50  
TENDERED: 32.50

Payment:  
1 - Charge \$32.50

NOTE:

Signature: \_\_\_\_\_

\$32.50

Jordan

City of Tacoma

Customer: SCI100  
 Card: 806088  
 Truck: 806088  
 Ticket #: 1213128  
 Date: 12/30/13  
 Time In: 16:34  
 Time Out: 16:42  
 Turnaround: 8  
 Operator: KW  
 Site: LF

Gr: 8380 Tr: 8160 NET: 220  
 Gr:1 Tr: 2  
 15 - City Com SW

TIP FEE: 19.50  
 SPEC FEE: 0.00  
 UTILITY TAX: 0.00  
 ADJ: 0.00  
 TOTAL FEE: \$19.50  
 TENDERED: 19.50

Payment:  
 1 - Charge \$19.50

NOTE:

Signature: \_\_\_\_\_

Jordan

City of Tacoma

Customer: SCI100  
 Card: 806088  
 Truck: 806088  
 Ticket #: 1208324  
 Date: 12/17/13  
 Time In: 16:49  
 Time Out: 16:55  
 Turnaround: 6  
 Operator: KC  
 Site: LF

Gr. 9020 Tr: 8820 NET: 200  
 Gr:1 Tr: 2  
 15 - City Com SW

TIP FEE: 13.00  
 SPEC FEE: 0.00  
 UTILITY TAX: 0.00  
 ADJ: 0.00  
 TOTAL FEE: \$13.00  
 TENDERED: 13.00

Payment:  
 1 - Charge \$13.00

NOTE:

Signature: \_\_\_\_\_

JORDAN/HYLEBOS

City of Tacoma

Customer: SCI100  
 Card: 806088  
 Truck: 806088  
 Ticket #: 1208064  
 Date: 12/17/13  
 Time In: 11:23  
 Time Out: 11:29  
 Turnaround: 6  
 Operator: KW  
 Site: LF

Gr: 8300 Tr: 8140 NET: 160  
 Gr:1 Tr: 2  
 15 - City Com SW

TIP FEE: 13.00  
 SPEC FEE: 0.00  
 UTILITY TAX: 0.00  
 ADJ: 0.00  
 TOTAL FEE: \$13.00  
 TENDERED: 13.00

Payment:  
 1 - Charge \$13.00

NOTE:

Signature: \_\_\_\_\_

\$45.50

Middle Waterway City

City of Tacoma

Customer: SCI100  
Card: 806088  
Truck: 806088  
Ticket #: 1208884  
Date: 12/19/13  
Time In: 11:32  
Time Out: 11:36  
Turnaround: 4  
Operator: CM  
Site: LF

Gr: 8380 8180 NET: 200  
Gr:1 Tr: 2  
15 - City Com SW

TIP FEE: 13.00  
SPEC FEE: 0.00  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$13.00  
TENDERED: 13.00

Payment:  
1 - Charg- \$13.00

NOTE:

Signature: \_\_\_\_\_

\$13.00

Olympic View

City of Tacoma

Customer: SCI100  
Card: 806088  
Truck: 806088  
Ticket #: 1208970  
Date: 12/19/13  
Time In: 13:17  
Time Out: 13:24  
Turnaround: 7  
Operator: KC  
Site: LF

Gr: 8520 Tr: 8460 NET: 60  
Gr:1 Tr: 2  
15 - City Com SW

TIP FEE: 10.00  
SPEC FEE: 0.00  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$10.00  
TENDERED: 19.00

Payment:  
1 - Charge \$10.00

NOTE:

Signature: \_\_\_\_\_

\$10.00

SWAN CREEK

City of Tacoma

Customer: SCI100  
Card: 806088  
Truck: 806088  
Ticket #: 1206408  
Date: 12/12/13  
Time In: 15:55  
Time Out: 15:59  
Turnaround: 4  
Operator: CM  
Site: LF

Gr: 8680 Tr: 8580 NET: 100  
Gr:1 Tr: 2  
15 - City Com SW

TIP FEE: 10.00  
SPEC FEE: 0.00  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$10.00  
TENDERED: 10.00

Payment:  
1 - Charge \$10.00

NOTE:

Signature: \_\_\_\_\_

SWAN CREEK

City of Tacoma

Customer: SCI100  
Card: 806088  
Truck: 806088  
Ticket #: 1193518  
Date: 11/12/13  
Time In: 10:01  
Time Out: 10:14  
Turnaround: 13  
Operator: KW  
Site: LF

Gr: 8060 Tr: 8000 NET: 60  
Gr:1 Tr: 2  
15 - City Com SW  
Lg Furniture City \$11.00

TIP FEE: 10.00  
SPEC FEE: 11.00  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$21.00  
TENDERED: 21.00

Payment:  
1 - Charge \$21.00

NOTE:

Signature: \_\_\_\_\_

\$31.00



**WASTEWATER OPERATIONS-TAGRO**  
**2201 PORTLAND AVENUE EAST**  
**TACOMA, WA 98421-2711**  
**253 502 2150**



# INVOICE

All incoming payments will be first applied against any existing late charges and penalties on this account.  
 A late fee of 1% (\$3.00 minimum) may be assessed on delinquent accounts.

ZSD\_SMF\_SD103\_INVOICE

FOR PAYMENT ARRANGEMENTS, PLEASE CALL 253.502.2100

Bill-To-Party
COT ENVIRONMENTAL SERVICES WASTEWATER 2201 E PORTLAND AVE TACOMA WA 98421-2711

Information	
Invoice #	90532125 Date: 11/14/2013
PO #	
Payment Terms	<b>Due 12/14/2013</b>
Customer #	400043212
Account #	300028413
Service Order #	
Sales Doc #	410201

Description	Quantity	UM	Net Price	Net Amount
November 4, 2013 - 200 bags				
TAGRO - BAGGED BLACK BARK	200.000	YD	1.83	366.00

<b>Invoice Subtotal:</b>	<b>\$366.00</b>
<b>Taxes:</b>	<b>\$34.00</b>
<b>Amount Due:</b>	<b>\$400.00</b>



PLEASE RETURN THIS STUB AND PAYMENT TO:  
 CITY TREASURER - P.O. BOX 11367  
 TACOMA, WA 98411-0367

WASTEWATER OPERATIONS-TAGRO  
 2201 PORTLAND AVENUE EAST  
 TACOMA, WA 98421-2711  
 253 502 2150

#0003000284139#



COT ENVIRONMENTAL SERVICES WASTEWATER  
 2201 E PORTLAND AVE  
 TACOMA WA 98421-2711

Account Number:  
 300028413

**Amount Due:**  
**\$400.00**

Amount Enclosed:  
 \$ \_\_\_\_\_

Changes?  
 Name  
 Address  
 Telephone  
 Provide details on  
 back of stub.

101409

# Balance Restoration Nursery, LLC

27995 Chambers Mill Road

Lorane, OR 97451-9707  
balancenursery@yahoo.com

DATE 11/4/2013  
INVOICE  
170433

TEL 541-942-5530 FAX 541-942-7265

BILL TO

City of Tacoma  
326 East D st  
Tacoma WA  
98421

253-502-2257

253-272-4046

SHIP TO

City of Tacoma  
326 East D st  
Tacoma WA  
98421

*11/24/13*

P.O. NUMBER	SHIP DATE	DUE DATE	ACCOUNT NO	TERMS	VIA	F.O.B.	PROJECT
desiree-email	11/4/2013	12/9/2013		Net 30	UPS	Lorane, OR	

QUANTITY	DESCRIPTION	SIZE	PRICE	AMOUNT
200	Grindelia integrifolia / Willamette valley gumweed		0.45	90.00
500	Elymus mollis / American dune grass		0.2975	148.75
1	Shipping Charges		20.17	20.17

*YWK - ENV - 00311 - 03 - 03*

*OK to pay  
Desiree Pooley  
11/12/13*

*PO 45-386537*

TOTAL \$258.92

SALES TAX \$24.60

DEPOSITS/CREDITS \$0.00

BALANCE DUE \$258.92

~~\$258.92~~  
\$283.52

*PR 10379484 11/19*

*PO 4500 386537 11/27*

*MIG0 5000553220 11/27*

Wabash Farms

PO Box 291  
31218 SE 408th  
Enumclaw, WA 98022

111761

# Invoice

DATE  
11/7/2013

INVOICE #  
1839

### BILL TO

City of Tacoma  
Center for Urban Waters  
326 E. D Street  
Tacoma, WA 98421

### SHIP TO

✓ 11/27/13

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
	Net 30		11/7/2013	at Wabash		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
Deliver to 3210 S. Mullen St. Tacoma (landfill)				
10	AcMa1g	1 gal. Acer macrophyllum / bigleaf maple	2.90	29.00
60	CoSe1g	1 gal. Cornus sericea / red-osier dogwood (from another nursery)	3.25	195.00
20	CoCo2g	2 gal. Corylus cornuta / beaked hazelnut	6.50	130.00
104	RuPa1g	1 gal. Rubus parviflorus / thimbleberry	2.90	301.60
61	RuSp1g	1 gal. Rubus spectabilis / salmonberry	2.90	176.90
125	SaHo1g	1 gal. Salix hookeriana / Hooker's willow	2.90	362.50
170	SaHo1g	1 gal. Salix hookeriana / Hooker's willow	2.90	493.00
60	SaSc1g	1 gal. Salix scouleriana / Scouler's willow	2.90	174.00
60	SyAl1g	1 gal. Symphoricarpos albus / snowberry	2.90	174.00
30	AcCi1g	1 gal. Acer circinatum / vine maple	2.90	87.00
16	OeCe2g	2 gal. Oemleria cerasiformes / Indian plum	6.00	96.00
Subtotal				2,219.00
Dscnt Discount				-2.40%
Subtotal				-53.26
Sales Tax				9.50%
				2,165.74
				205.75

ENV-00371-03-03 \$ 293.90  
 ENV-00371-05-03 \$ 123.98  
 ENV-00371-13-03 \$ 1100.25

OK to pay  
 Desnee Pooley  
 11/8/13  
 Total

\$2,371.49

PR 10380315  
 PO 4500336547  
 M1905000553251

> 11/27

PO 45-336547



**WASTEWATER OPERATIONS-TAGRO**  
**2201 PORTLAND AVENUE EAST**  
**TACOMA, WA 98421-2711**  
**253 502 2150**



# INVOICE

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 A late fee of 1% (\$3.00 minimum) may be assessed on delinquent accounts.

ZSD\_SMF\_SD103\_INVOICE

FOR PAYMENT ARRANGEMENTS, PLEASE CALL 253.502.2100

Bill-To-Party
COT ENVIRONMENTAL SERVICES WASTEWATER 2201 E PORTLAND AVE TACOMA WA 98421-2711

Information	
Invoice #	90532921 Date: 11/21/2013
PO #	
Payment Terms	<b>Due 12/21/2013</b>
Customer #	400043212
Account #	300028413
Service Order #	
Sales Doc #	410850

Description	Quantity	UM	Net Price	Net Amount
Swan Creek Delivery fee for 5 yards of woodchips delivered November 15, 2013				
TAGRO MONTHLY BILLING - DELIVERY FEE	1.000	MI	13.79	13.79
<b>Invoice Subtotal:</b>				<b>\$13.79</b>
<b>Taxes:</b>				<b>\$1.21</b>
<b>Amount Due:</b>				<b>\$15.00</b>



PLEASE RETURN THIS STUB AND PAYMENT TO:  
 CITY TREASURER - P.O. BOX 11367  
 TACOMA, WA 98411-0367

WASTEWATER OPERATIONS-TAGRO  
 2201 PORTLAND AVENUE EAST  
 TACOMA, WA 98421-2711  
 253 502 2150

#0003000284139#



COT ENVIRONMENTAL SERVICES WASTEWATER  
 2201 E PORTLAND AVE  
 TACOMA WA 98421-2711

Account Number:  
 300028413

**Amount Due:**  
**\$15.00**

Amount Enclosed:  
 \$ \_\_\_\_\_

Changes?  
 Name  
 Address  
 Telephone  
 Provide details on  
 back of stub.



105491

Date: October 10, 2013

Invoice: 003-2013

To: City of Tacoma  
Mary Henley  
326 East D Street  
Tacoma, WA 98421

✓ 11/18/13

Contact: Jeanine Riss (253) 383-2429

RE: City of Tacoma Environmental Stewardship Project Community Assistance Program

For the periods of: July 1, 2013 – September 30, 2013

\*Include receipts, staff hours/timesheet and mileage log.

\*\*Direct Costs category to include: mileage, restroom facility rental, disposal expense and event supplies (including food for volunteers).

I hereby request payment for the following services on the dates noted:

**Direct Labor:**

**Task 1: Development of an Annual Work Plan**

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				\$
Employee: Bill Anderson				
<b>Sub-Contractor Services:</b>				
<b>Labor Subtotal:</b>	_____	_____	_____	\$
<b>Task 1 Total</b>	_____	_____	_____	\$

**Task 2: Event Management and Coordination**

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Coordinate dumpster for Yowkwala	7/2/13	.25	22.75	\$5.69
Coordinate dumpster for Yowkwala	7/3/13	.25	22.75	\$5.69
Prepare for shoreline clean up event	7/16/13	1	22.75	\$22.75

Prepare for shoreline clean up event	7/17/13	2	22.75	\$45.50
Prepare for shoreline clean up event	7/18/13			
Prepare for shoreline clean up event	7/19/13	4.5	22.75	\$102.38
Shoreline Clean Up event (Yowkwala, Skookum Squally Beach)	7/20/13	7	22.75	\$159.25
Coordinate with EarthCorps	7/23/13	.5	22.75	\$11.38
Coordinate dumpster for Yowkwala	7/25/13	.25	22.75	\$5.69
Coordinate with EarthCorps	7/26/13	.25	22.75	\$5.69
Prepare for Yowkwala event	7/26/13	3	22.75	\$68.25
Coordinate with Tyee Marina	7/26/13	.25	22.75	\$5.69
Yowkwala event	7/27/13	8	22.75	\$182.00
Coordinate dumpster	7/30/13	.25	22.75	\$5.69
Coordinate with Tyee Marina	8/9/13	.25	22.75	\$5.69
Coordinate with EarthCorps	8/16/13	.25	22.75	\$5.69
Prepare for Yowkwala event	8/16/13	2.5	22.75	\$56.88
Yowkwala event	8/17/13	8	22.75	\$182.00
Coordinate with EarthCorps	9/10/13	.5	22.75	\$11.38
Prepare for Yowkwala event	9/13/13	2	22.75	\$45.50
Coordinate with EarthCorps	9/13/13	.25	22.75	\$5.69
Yowkwala event	9/14/13	8	22.75	\$182.00

Employee: Bill Anderson

**Sub-Contractor Services:**

EarthCorps:

Restoration services/volunteer management	7/27/13			\$1290.73
Restoration services/volunteer management	8/17/13			\$1290.73
Restoration services/volunteer management	9/14/13			\$1290.73

**Labor Subtotal:** \_\_\_\_\_ \$4992.67

**Task 2 Total** \_\_\_\_\_ **\$4992.67**

**Task 3: Volunteer Recruitment & Education**

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Volunteer recruitment	7/5/13	1	22.75	\$22.75
Volunteer recruitment	7/10/13	.5	22.75	\$11.38
Volunteer recruitment	7/16/13	1	22.75	\$22.75
Volunteer Rec./education at Shoreline Clean Up	7/20/13	.5	22.75	\$11.38
Volunteer Recruitment	7/23/13	.5	22.75	\$11.38
Volunteer Rec./education at Make Your Mark	8/3/13	1	22.75	\$22.75
Volunteer Recruitment	8/7/13	.5	22.75	\$11.38
Volunteer Recruitment	8/15/13	.5	22.75	\$11.38
Volunteer Rec./education at Maritime Fest	8/24/13	5	22.75	\$113.75
Volunteer Rec./education at Maritime Fest	8/25/13	5	22.75	\$113.75
Volunteer Recruitment	8/30/13	1	22.75	\$22.75



**Task 6: General Maintenance Work**

**Direct Labor:**

Employee:

**Sub-Contractor Services:**

**Labor Subtotal:**

**Task 6 Total**

**Direct Costs:**

**Restroom facility rental:**

**Restroom rental Sub-total:**

**Disposal expenses:**

**Event Supplies:**

trash bags, gloves & food for volunteers  
 trash bags & food for volunteers  
 Food/beverage for volunteers

**Event Supplies Sub-total:**

**Mileage:**

Jeanine Riss

**Mileage Sub-total:**

**Direct Cost Sub-total:**

**Invoice Total**

As Per Contract #: PW09-0809F

**Total Contract Amount:**

**Currant Balance:**

S1000246804 >10/21  
 D5000547775

Date	Hours	Rate	Amount Billed
_____	_____	_____	_____
_____	_____	_____	_____

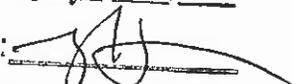
Date Delivered	Vendor	Rate	Amount billed
			\$
			\$
			\$

Date	Vendor	Rate	Amount Billed
7/17/13	Costco		\$70.24
7/18/13	Costco		\$35.75
7/27/13	7-Eleven		\$3.38
7/27/13	Little Caesars		\$40.48
8/17/13	Fred Meyer		\$14.12
8/17/13	Subway		\$39.37
9/14/13	Fred Meyer		\$10.35
9/14/13	Little Caesars		\$18.59

Total Miles	Rate	Amount billed
		\$129.95
		\$129.95
		\$362.23
		<b>\$6,258.47</b>

\$84,925.24

\$14,043.18

Okay to Pay 10/15/13  
 Approver:   
 PO 45-258936