



# ENVIRONMENTAL STEWARDSHIP PROJECT

## YEAR 4 SECOND QUARTER REPORT

APRIL 24, 2012



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 and the City of Tacoma, and the associated Annual Scope of Work, this report presents a financial summary of the Long Term Environmental Site Stewardship Project (ESP) from January 1, 2012 through March 31, 2012, 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 proposed 2012 Task List which shows tasks that are on-going and tasks that will be implemented in 2012. Please note that the task list has been recently revised per Trustee comments and the City now waits final approval. Also note that an additional site and a new role at an existing site have been added, Hauff and Olympic View Triangle respectively.

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, Olympic View Resource Area and Olympic View Triangle will now be referred to as Olympic View\*
- Tahoma Salt Marsh
- Swan Creek
- Hauff\*

\* Indicates added and revised sites per 3/23/12 email correspondence with Jason Lehto, NOAA.

The City will continue to fulfill the role of Steward under the direction of the Trustees until such time that the penalty monies which have been placed in escrow for this purpose have been exhausted.

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 subcontracts with EarthCorps for assistance with events at all of the sites. A draft work plan for 2012 for CHB was drafted based on the City’s proposed 2012 Task List. Both have been modified as necessary based upon Trustee review and comment. CHB’s Draft 2012 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 the bi-monthly monitoring events that

are not mandated to be performed by City staff. It should be noted that in the Year 3 Annual Report the City proposed a reduction in the frequency of these regular monitoring events, and is currently awaiting Trustee response.

## **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.

The City's bi-monthly site visit took place on February 15. Photo documentation was required and pictures are presented in Attachment 3. In addition, CHB conducted a volunteer invasive removal event on March 24 targeting blackberry, Scot's broom and butterfly bush. Twenty-one volunteers and an EarthCorps crew worked with CHB staff from the mid-portion of the site to the north. Vegetation was left on site to compost.

A volunteer shoreline cleanup event at this site was conducted by CHB on January 16. CHB also conducted an educational field trip to the Yowkwala, Skookum Wulge and Squally Beach sites for conservation biology students from University of Washington–Tacoma (UWT). The students learned about the history and functions of the sites and also picked up approximately 200 pounds of trash.

Overall the site appears healthy throughout, with normal winter die-back. Trash and invasive species removal, along with replanting continue to be the primary concerns at this site. Previous plantings near the marina end of the site are doing well and established plants are continuing to thrive. The dune grass is very healthy and seems to be spreading well. The new plantings near the trailhead area were observed to be doing generally well, with good survival noted. The evergreen huckleberry, Oregon grape, shore pine and salal were noted as doing particularly well. There was some damage to a few madrones noted as a result of the winter storms, but overall the site is in good and stable condition. Bi-monthly monitoring data are summarized in the Site Record (see Table 1 in Attachment 4).

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

- January 3 – The WCC performed an invasive sweep of the planting areas and a garbage sweep.
- January 16 – CHB conducted a volunteer shoreline cleanup event that included the Yowkwala, Skookum Wulge, and Squally Beach sites.
- January 23 – The WCC removed trash picked up during the CHB volunteer event.
- March 6 – CHB conducted an educational field trip for UWT students at the Yowkwala, Skookum Wulge and Squally Beach sites.
- March 24 – CHB conducted a volunteer invasive removal event.

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 regular monitoring by CHB, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a volunteer invasive removal event at this site on June 23.

## **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, although some erosion protection measures may take place on the upper beach. 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. 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.

The City's bi-monthly site visit took place on February 15. Photo documentation was required and pictures are presented in Attachment 3. A volunteer shoreline cleanup event at this site was conducted by CHB on January 16. In addition, this site was included in a CHB-led educational field trip and trash removal event conducted on March 6. Students from UWT learned about the history and functions of the habitat site and picked up garbage.

Overall the site appears healthy throughout, with normal winter die-back. Bank erosion, invasive plant removal, and native plant establishment continue to be the primary concerns at this site. The recent plantings on the south uplands are doing very well in the riparian area and also showing good survival in the backshore/marsh. Some seedlings, possibly gumweed, are coming in at the high tide line in the south marsh area. These will be observed to ensure they aren't an invasive species. Bi-monthly monitoring data are summarized in the Site Record (see Table 2 in Attachment 4).

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

- January 16 – CHB conducted a volunteer shoreline cleanup event that included the Yowkwala, Skookum Wulge, and Squally Beach sites.
- February 1 – The WCC performed a garbage sweep at the site.

- March 6 – CHB conducted an educational field trip for UWT students at the Yowkwala, Skookum Wulge and Squally Beach sites.

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 regular monitoring by CHB, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a volunteer invasive removal event on June 2.

### **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.

The City's bi-monthly site visit took place on February 15. Photo documentation was required and pictures are presented in Attachment 3. A volunteer shoreline cleanup event at this site was conducted by CHB on January 16. In addition, this site was included in a CHB-led educational field trip and trash removal event conducted on March 6. Students from UWT learned about the history and functions of the habitat site and picked up garbage.

Removal of invasive species remains the primary concern at the site, in particular knotweed control at the north end of the site, 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, and no cordgrass was observed during the inspection.

Overall, the established vegetation on the site is doing very well with normal winter die-back. The knotweed that was injected last summer has died, but it remains an issue and has impacted the survival of the recent plantings in the area. Treatment and replanting will continue in an effort to control this invasive species. Other plants are beginning to show some spring growth and the site appears generally healthy and stable throughout.

The WCC performed general invasive and trash removal at the site. Bi-monthly monitoring data are summarized in the Site Record (see Table 3 in Attachment 4).

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

- January 16 – CHB conducted a volunteer shoreline cleanup event that included the Yowkwala, Skookum Wulge, and Squally Beach sites.
- February 1 – The WCC performed an invasive sweep.

- March 6 – CHB conducted an educational field trip for UWT students at the Yowkwala, Skookum Wulge and Squally Beach sites.

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 regular monitoring by CHB, and ongoing invasive species removal and garbage pickup by the WCC.

## **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.

The City's bi-monthly site visit took place on February 15. Photo documentation was required and pictures are presented in Attachment 3. Removal of invasive species continues to be the primary concern at this site.

Overall, the plants in both the riparian and marsh areas of the site appear generally healthy with normal winter die-back. Many of the recent plantings did not survive due to animal damage. The WCC continues to perform both invasive and trash removal at the site. A couple of patches of phragmites remain and require ongoing control. Bi-monthly monitoring data are summarized in the Site Record (see Table 4 in Attachment 4).

There were no activities that were completed at the site during the reporting period:

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 regular monitoring by CHB, 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.

The City's bi-monthly site visit took place on February 15. Photo documentation was required and pictures are presented in Attachment 3. Invasive species removal and human impacts continue to be the primary concerns at this site. Reed canary grass is the primary invasive species present at the site.

Overall, the site appears to be in very good condition with normal winter die-back. Some minor storm damage was noted, but overall the vegetation appears quite healthy. No additional human impacts were identified during this reporting period. The recent plantings by both EarthCorps and CHB volunteers look very good. A red-breasted sapsucker has been active at the site and was observed during the inspection. Some photos of his work are included in Attachment 3. Bi-monthly monitoring data are summarized in the Site Record (see Table 5 in Attachment 4).

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

- January 16 – The WCC performed an invasive sweep at the site.
- January 23 – The WCC visited the site to assess damage from recent snow storm.

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 regular monitoring by CHB, 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.

The City's bi-monthly site visit took place on February 14. Photo documentation was required and pictures are presented in Attachment 3. Invasive species and trash removal continue to be the primary concern at the site. Overall, the site is well established and appears generally healthy with normal winter die-back. The City placed some wood in the upper marsh area for added diversity.

Recent plantings did not have good success but no reason for this lack of success is apparent. The WCC continued to perform invasive and trash removal at the site. Bi-monthly monitoring data are summarized in the Site Record (see Table 6 in Attachment 4).

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

- January 4 – The WCC performed an invasive sweep at the site.
- February 9 – The WCC performed a garbage sweep.

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 regular monitoring by CHB, 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.

The City's bi-monthly site visit took place on February 14. Photo documentation was required and pictures are presented in Attachment 3. Invasive removal is the primary concern at the site. Overall the site is well established and appears generally healthy with normal winter die-back.

The WCC continued to perform invasive and trash removal at the site on a routine basis. Bi-monthly monitoring data are summarized in the Site Record (see Table 7 in Attachment 4).

There were no activities that were completed at the site during the reporting period:

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 regular monitoring by CHB, 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 will evaluate the sedimentation of the mouth by a tidal push of gravels with their remaining funds. The City is coordinating implementation of the overall task list with CHB and DNR to ensure that efforts are complementary.

The City's bi-monthly site visit took place on February 14. Photo documentation was required and pictures are presented in Attachment 3. Invasive species removal and replanting remain as the primary concerns at this site. In addition, ongoing erosion on the outer face of the triangle site is being monitored. The goose exclusion fencing present in the marsh portion of the triangle site is falling down and requires removal as soon as possible. The City has provided this information to the Trustees who will request that DNR complete removal of the fencing.

Most of the vegetation at the site remains in good condition. Recent plantings near the gate are doing very well. Ongoing erosion on the north, bay side of the triangle area in front of the rip rap slope was noted, as well as at the mouth and near Photopoint 6. The beach had shifted somewhat as a result of the winter winds, and a push of gravel was noted near the pipes at the midpoint of the site.

The WCC continues to perform invasive removal on a regular basis. Bi-monthly monitoring data are summarized in the Site Record (see Table 8 in Attachment 4).

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

- February 7 – The WCC was on site to prop up a serviceberry tree that was leaning.

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 regular monitoring by CHB, 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.

The City's bi-monthly site visit took place on February 14. Photo documentation was required and pictures are presented in Attachment 3. Invasive removal continues to be the primary concern at the site. Overall, the site is well established and vegetation is in good condition with normal winter die-back. The goose exclusion fencing is not functional and needs to be removed. Some spring growth on the plants is beginning to show.

The WCC continues to perform invasive and trash removal at the site on a regular basis. Bi-monthly monitoring data are summarized in the Site Record (see Table 9 in Attachment 4).

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

- January 23 – The WCC visited the site to assess damage from recent snow storm.

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 regular monitoring by CHB, 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.

The City's bi-monthly site visit took place on February 14. Photo documentation was required and pictures are presented in Attachment 3. Generally the site appears healthy and well established with normal winter die-back. Some storm damage was noted, including downed cottonwood limbs and a large clump of alders that is leaning. Other trees are down as a result of beaver activity. Invasive species removal continues to be the primary concern at this site.

Debris and the damaged fence from the demolition of the building on the adjacent property remain at this time. The WCC continued to perform invasive removal on a routine basis. Bi-monthly monitoring data are summarized in the Site Record (see Table 10 in Attachment 4).

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

- January 3 – The WCC performed a blackberry sweep and a garbage sweep at the north end of the site.
- January 16 – The WCC performed a garbage sweep at the south end of the site.
- January 23 – The WCC visited the site to assess damage from recent snow storm.
- February 1 – The WCC removed ivy along the north roadside and performed a garbage sweep at the site.

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 regular monitoring by CHB, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a volunteer invasive removal event on May 19. Finally, the City will continue to work with Puyallup Tribe representatives on the removal of demolition debris from the site and repair the site fencing.

## 2.11 Work Summary

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

Site	WCC (hours)	CHB (hours)	EarthCorps (days)	Volunteer (hours)
Yowkwala	5	19	1	156
Skookum Wulge	1	7	--	51
Squally Beach	2	7	--	51
Mowitch	--	--	--	--
Jordan/Lower Hylebos Marsh	3	--	--	--
Middle Waterway – City	2	--	--	--
Middle Waterway – Simpson	--	--	--	--
Olympic View	1	--	--	--
Tahoma Salt Marsh	1	--	--	--
Swan Creek	10	--	--	--

## 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 at various events and through CHB's and other volunteer websites.

CHB conducted a volunteer shoreline cleanup event at Yowkwala, Skookum Wulge and Squally Beach on January 16, with 31 volunteers picking up 700 pounds of garbage. CHB also conducted an education field trip for UWT students at these same three sites on March 6, including trash removal. Finally, a volunteer invasive removal event was conducted at the Yowkwala site on March 24. Volunteer events at the sites are conducted approximately once a month throughout the year.

#### 4.0 Financial Summary

Financial information documenting the City's costs for each task performed January 1, 2012 through March 31, 2012 is provided in Attachment 5. The work performed at each site is summarized in Section 2.0. As documented in Attachment 5, the City incurred the following costs during this time period:

Task 1	Project Management	\$999.77
Task 2	Reporting and Documentation	\$2,118.56
Task 3	Site Monitoring	\$1,132.33
Task 4	Site Maintenance*	\$1,225.00
Task 5	Adaptive Management	\$957.19
	General Maintenance and Monitoring**	<u>\$0.00</u>
Year 4, Quarter 2 Total		\$6,432.85
Life-to-Date (3/31/12) Total		\$192,347.98

\* Based on 2012 WCC crew rate of \$48.08/hr

\*\*There was no CHB invoice, paid during this reporting period

# **Attachment 1**

## **Proposed 2012 Task List**

**Environmental Stewardship Project  
2012 Task List**

Site	Category	Zone	Task Description	Priority	Timing
<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 Summer
Yowkwala	Supplemental Planting	West, Middle, and Trail Backshore	Planting of the above areas where invasive species have been removed.	1	Fall
Yowkwala	Habitat Improvement/Safe	Beach	Cut rebar left from barge removal to grade at low tide (WCC crew)	1	S
<b>SKOOKUM WULGE</b>					
Skookum Wulge	Invasive Species	Backshore	Remove 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 erosion 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
<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	Inject knotweed population to the west to control encroachment onto site (phased approach over time)	1	On-going
Squally Beach	Habitat Improvement	Beach	Cut remaining bollards at 6" below the mud line	2	S
<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.	3	On-going
<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
<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
<b>OLYMPIC VIEW</b>					
Olympic View	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, pepperweed, knotweed) as directed by the Trustees.	1	On-going
Olympic View	Erosion	Beach/Marsh	Monitor sedimentation/erosion and beach shift	2	S, W
Olympic View	Habitat Improvement	Salt Marsh	Remove the netting and all goose exclusion remnants in the Triangle area	1	Spr
Olympic View	Planning	Salt Marsh	Evaluate for and propose (if needed) additional plants to achieve sufficient coverage and survivability in the Triangle marsh area	1	S
Olympic View	Supplemental Planting	Salt Marsh	Plant bare areas of the Triangle marsh with appropriate species (contingent on DNR's planned site activities).	1	Fall
<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	Spr, S
<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
<b>HAUFF</b>					
Hauff	Invasive Species	Riparian	Remove regulated noxious weeds and other priority species (Himalayan blackberry) as directed by the Trustees.	1	On-going
Hauff	Supplemental Planting	Riparian	Planting as needed	1	F
<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 Spring/S
<b>Color Legend:</b>					
Ongoing					
Proposed, New (2012)					

**Attachment 2**

**Draft CHB 2012 Work Plan**







# **Attachment 3**

## **Photographs**



MOW PP1 feb2012 esp 2 007 (looking E) 2012-02-15 17-12-52



MOW PP1 feb2012 esp 2 008 (looking NE) 2012-02-15 17-13-04



MOW PP1 feb2012 esp 2 009 (looking N) 2012-02-15 17-13-12



MOW PP1 feb2012 esp 2 010 (looking SE) 2012-02-15 17-13-24



MOW PP2 feb2012 esp 2 011 (looking NE) 2012-02-15 17-14-25



MOW PP3 feb2012 esp 2 012 (looking W) 2012-02-15 17-16-42



MOW PP3 feb2012 esp 2 013 (looking SW) 2012-02-15 17-16-54



MOW PP4 feb2012 esp 2 014 (looking E) 2012-02-15 17-20-03



MOW PP4 feb2012 esp 2 015 (looking N) 2012-02-15 17-20-15



MOW PP4 feb2012 esp 2 016 (looking NW) 2012-02-15 17-20-29



MOW PP4 feb2012 esp 2 017 (looking SE) 2012-02-15 17-20-43



MOW PP5 feb2012 esp 2 018 (looking E) 2012-02-15 17-22-07



MOW PP5 feb2012 esp 2 019 (looking N) 2012-02-15 17-22-42



MOW PP5 feb2012 esp 2 020 (looking NE) 2012-02-15 17-22-53



MOW PP5 feb2012 esp 2 021 (looking NW) 2012-02-15 17-23-04



MOW PP5 feb2012 esp 2 022 (looking SE) 2012-02-15 17-23-14



MOW PP6 feb2012 esp 2 023 (looking S) 2012-02-15 17-23-48



MOW PP6 feb2012 esp 2 024 (looking SW) 2012-02-15 17-23-57



MOW PP7 feb2012 esp 2 025 (looking E) 2012-02-15 17-26-24



MOW PP7 feb2012 esp 2 026 (looking N) 2012-02-15 17-26-35



MOW PP7 feb2012 esp 2 027 (looking NW) 2012-02-15 17-26-43



MOW PP7 feb2012 esp 2 028 (looking SE) 2012-02-15 17-26-53



MOW PP8 feb2012 esp 2 029 (looking N) 2012-02-15 17-28-54



MOW PP8 feb2012 esp 2 030 (looking NW) 2012-02-15 17-28-58



MWC PP1 Feb2012 ESP 044 (looking S) 2012-02-14 14-26-10



MWC PP1 Feb2012 ESP 045 (looking SE) 2012-02-14 14-26-40



MWC PP1 Feb2012 ESP 046 (looking SW) 2012-02-14 14-26-49



MWC PP2 Feb2012 ESP 047 (looking E) 2012-02-14 14-29-02



MWC PP2 Feb2012 ESP 048 (looking N) 2012-02-14 14-29-15



MWC PP2 Feb2012 ESP 049 (looking S) 2012-02-14 14-29-25



MWC PP3 Feb2012 ESP 050 (looking E) 2012-02-14 14-30-59



MWC PP3 Feb2012 ESP 051 (looking N) 2012-02-14 14-31-09



MWC PP3 Feb2012 ESP 052 (looking S) 2012-02-14 14-31-23



MWC PP3 Feb2012 ESP 053 (looking W) 2012-02-14 14-31-31



MWC PP4 Feb2012 ESP 054 (looking S) 2012-02-14 14-33-31



MWC PP4 Feb2012 ESP 055 (looking SW) 2012-02-14 14-33-37



MWC PP4 Feb2012 ESP 056 (looking W) 2012-02-14 14-33-47



MWC PP5 Feb2012 ESP 057 (looking S) 2012-02-14 14-35-25



MWC PP5 Feb2012 ESP 058 (looking W) 2012-02-14 14-35-34



MWC PP6 Feb2012 ESP 059 (looking S) 2012-02-14 14-36-37



MWC PP6 Feb2012 ESP 060 (looking SE) 2012-02-14 14-36-45



MWC PP7 Feb2012 ESP 061 (looking SE) 2012-02-14 14-39-41



MWC PP7 Feb2012 ESP 062 (looking W) 2012-02-14 14-39-50



MWC PP8 Feb2012 ESP 063 (looking N) 2012-02-14 14-41-33



MWC PP8 Feb2012 ESP 064 (looking NE) 2012-02-14 14-41-38



MWC PP8 Feb2012 ESP 065 (looking NW) 2012-02-14 14-41-45



MWC PP9 Feb2012 ESP 066 (looking SW) 2012-02-14 14-43-34



MWC PP9 Feb2012 ESP 067 (looking W) 2012-02-14 14-43-40



MWC PP10 Feb2012 ESP 068 (looking NE) 2012-02-14 14-48-05



MWC PP10 Feb2012 ESP 069 (looking NW) 2012-02-14 14-48-11



MWS PP1 Feb2012 ESP 071 (looking E) 2012-02-14 15-12-01



MWS PP1 Feb2012 ESP 072 (looking N) 2012-02-14 15-12-38



MWS PP1 Feb2012 ESP 073 (looking NE) 2012-02-14 15-12-48



MWS PP1 Feb2012 ESP 074 (looking SE) 2012-02-14 15-13-00



MWS PP2 Feb2012 ESP 075 (looking N) 2012-02-14 15-14-31



MWS PP2 Feb2012 ESP 076 (looking S) 2012-02-14 15-14-41



MWS PP2 Feb2012 ESP 077 (looking W) 2012-02-14 15-14-53



MWS PP3 Feb2012 ESP 078 (looking E) 2012-02-14 15-18-20



MWS PP3 Feb2012 ESP 079 (looking N) 2012-02-14 15-18-28



MWS PP3 Feb2012 ESP 080 (looking NE) 2012-02-14 15-18-40



MWS PP3 Feb2012 ESP 081 (looking S) 2012-02-14 15-18-54



MWS PP3 Feb2012 ESP 082 (looking SE) 2012-02-14 15-19-03



MWS PP4 Feb2012 ESP 083 (looking N) 2012-02-14 15-22-08



MWS PP4 Feb2012 ESP 084 (looking NW) 2012-02-14 15-22-15



MWS PP4 Feb2012 ESP 085 (looking S) 2012-02-14 15-22-28



MWS PP4 Feb2012 ESP 086 (looking SW) 2012-02-14 15-22-34



MWS PP5 Feb2012 ESP 087 (looking N) 2012-02-14 15-24-45



MWS PP5 Feb2012 ESP 088 (looking NE) 2012-02-14 15-24-51



MWS PP5 Feb2012 ESP 089 (looking W) 2012-02-14 15-25-07



MWS PP6 Feb2012 ESP 090 (looking N) 2012-02-14 15-27-33



MWS PP6 Feb2012 ESP 091 (looking NE) 2012-02-14 15-27-46



MWS PP6 Feb2012 ESP 092 (looking W) 2012-02-14 15-27-56



SKW PP1 Feb2012 ESP 147 (looking S) 2012-02-15 14-50-59



SKW PP1 Feb2012 ESP 148 (looking SE) 2012-02-15 14-51-05



SKW PP2 Feb2012 ESP 149 (looking N) 2012-02-15 14-53-10



SKW PP2 Feb2012 ESP 150 (looking NE) 2012-02-15 14-53-23



SKW PP2 Feb2012 ESP 151 (looking S) 2012-02-15 14-53-38



SKW PP2 Feb2012 ESP 152 (looking SW) 2012-02-15 14-53-52



SKW PP3 Feb2012 ESP 153 (looking N) 2012-02-15 14-56-05



SKW PP3 Feb2012 ESP 154 (looking NE) 2012-02-15 14-56-12



SKW PP3 Feb2012 ESP 155 (looking S) 2012-02-15 14-56-20



SKW PP3 Feb2012 ESP 156 (looking SE) 2012-02-15 14-56-38



SKW PP4 Feb2012 ESP 157 (looking E) 2012-02-15 14-57-53



SKW PP4 Feb2012 ESP 158 (looking N) 2012-02-15 14-58-01



SKW PP4 Feb2012 ESP 159 (looking NE) 2012-02-15 14-58-14



SKW PP5 Feb2012 ESP 160 (looking N) 2012-02-15 15-00-01



SKW PP5 Feb2012 ESP 161 (looking NE) 2012-02-15 15-00-13



SKW PP6 Feb2012 ESP 162 (looking N) 2012-02-15 15-06-22



SKW PP6 Feb2012 ESP 164 (looking W) 2012-02-15 15-06-35



SKW PP6 Feb2012 ESP 163 (looking S) 2012-02-15 15-06-29



SQB PP0 Feb2012 ESP 165 (looking N) 2012-02-15 15-20-57



SQB PP0 Feb2012 ESP 166 (looking E) 2012-02-15 15-21-03



SQB PP1 Feb2012 ESP 167 (looking E) 2012-02-15 15-22-16



SQB PP1 Feb2012 ESP 168 (looking SE) 2012-02-15 15-22-25



SQB PP2 Feb2012 ESP 169 (looking E) 2012-02-15 15-24-35



SQB PP2 Feb2012 ESP 170 (looking N) 2012-02-15 15-24-45



SQB PP2 Feb2012 ESP 171 (looking NE) 2012-02-15 15-25-33



SQB PP2 Feb2012 ESP 172 (looking NW) 2012-02-15 15-25-45



SQB PP2 Feb2012 ESP 173 (looking W) 2012-02-15 15-25-58



SQB PP3 feb2012 esp 2 001 (looking E) 2012-02-15 16-45-53



SQB PP3 feb2012 esp 2 002 (looking S) 2012-02-15 16-46-04



SQB PP3 feb2012 esp 2 003 (looking W) 2012-02-15 16-46-14



SQB PP4 feb2012 esp 2 004 (looking S) 2012-02-15 16-49-18



SQB PP4 feb2012 esp 2 005 (looking W) 2012-02-15 16-49-25



SQB PP4 feb2012 esp 2 006 (looking NW) 2012-02-15 16-49-36



SWN PP1 Feb2012 ESP 093 (looking N) 2012-02-14 16-14-53



SWN PP1 Feb2012 ESP 094 (looking NE) 2012-02-14 16-15-11



SWN PP1 Feb2012 ESP 095 (looking SE) 2012-02-14 16-15-26



SWN PP2 Feb2012 ESP 096 (looking NW) 2012-02-14 16-19-56



SWN PP2 Feb2012 ESP 097 (looking S) 2012-02-14 16-20-17



SWN PP2 Feb2012 ESP 098 (looking SE) 2012-02-14 16-20-25



SWN PP3 Feb2012 ESP 099 (looking S) 2012-02-14 16-22-24



SWN PP3 Feb2012 ESP 100 (looking E) 2012-02-14 16-22-36



SWN PP3 Feb2012 ESP 101 (looking NW) 2012-02-14 16-22-55



SWN PP4 Feb2012 ESP 102 (looking E) 2012-02-14 16-26-54



SWN PP4 Feb2012 ESP 103 (looking N) 2012-02-14 16-27-04



SWN PP4 Feb2012 ESP 104 (looking S) 2012-02-14 16-27-16



SWN PP5 Feb2012 ESP 105 (looking NE) 2012-02-14 16-41-13



SWN PP5 Feb2012 ESP 106 (looking N) 2012-02-14 16-41-27



SWN PP6 Feb2012 ESP 107 (looking N) 2012-02-14 17-07-07



SWN PP6 Feb2012 ESP 108 (looking S) 2012-02-14 17-07-17



SWN PP6 Feb2012 ESP 109 (looking W) 2012-02-14 17-07-23



TSM PP1 Feb2012 ESP 001 (looking NE) 2012-02-14 11-47-21



TSM PP1 Feb2012 ESP 002 (looking SE) 2012-02-14 11-47-51



TSM PP1 Feb2012 ESP 003 (looking SW) 2012-02-14 11-48-09



TSM PP2 Feb2012 ESP 004 (looking NE) 2012-02-14 11-50-05



TSM PP2 Feb2012 ESP 005 (looking NW) 2012-02-14 11-50-34



TSM PP2 Feb2012 ESP 006 (looking SE) 2012-02-14 11-50-42



TSM PP2 Feb2012 ESP 007 (looking SW) 2012-02-14 11-50-51



TSM PP3 Feb2012 ESP 008 (looking NE) 2012-02-14 11-53-22



TSM PP3 Feb2012 ESP 009 (looking NW) 2012-02-14 11-53-29



TSM PP3 Feb2012 ESP 010 (looking SE) 2012-02-14 11-53-37



TSM PP3 Feb2012 ESP 011 (looking SW) 2012-02-14 11-53-41



TSM PP4 Feb2012 ESP 012 (looking NW) 2012-02-14 12-02-30



TSM PP4 Feb2012 ESP 013 (looking SW) 2012-02-14 12-02-35



TSM PP4 Feb2012 ESP 014 (looking W) 2012-02-14 12-02-41



TSM PP5 Feb2012 ESP 015 (looking E) 2012-02-14 12-04-17



TSM PP5 Feb2012 ESP 016 (looking NE) 2012-02-14 12-04-31



TSM PP5 Feb2012 ESP 017 (looking SW) 2012-02-14 12-05-04



TSM PP5 Feb2012 ESP 018 (looking W) 2012-02-14 12-05-13



TSM PP6 Feb2012 ESP 019 (looking E) 2012-02-14 12-06-47



TSM PP6 Feb2012 ESP 020 (looking NE) 2012-02-14 12-06-55



TSM PP6 Feb2012 ESP 021 (looking NW) 2012-02-14 12-07-03



TSM PP7 Feb2012 ESP 022 (looking NE) 2012-02-14 12-09-27



TSM PP7 Feb2012 ESP 023 (looking SE) 2012-02-14 12-09-39



YWK PP1 Feb2012 ESP 129 (looking E) 2012-02-15 13-43-08



YWK PP2 Feb2012 ESP 132 (looking E) 2012-02-15 13-56-04



YWK PP2 Feb2012 ESP 130 (looking NE) 2012-02-15 13-55-17



YWK PP2 Feb2012 ESP 131 (looking NW) 2012-02-15 13-55-36



YWK PP2 Feb2012 ESP 133 (looking W) 2012-02-15 13-56-15



YWK PP3 Feb2012 ESP 134 (looking E) 2012-02-15 14-01-17



YWK PP3 Feb2012 ESP 135 (looking N) 2012-02-15 14-01-39



YWK PP3 Feb2012 ESP 136 (looking NE) 2012-02-15 14-01-44



YWK PP3 Feb2012 ESP 137 (looking NW) 2012-02-15 14-01-53



YWK PP3 Feb2012 ESP 138 (looking W) 2012-02-15 14-01-58



YWK PP4 Feb2012 ESP 139 (looking E) 2012-02-15 14-07-33



YWK PP4 Feb2012 ESP 140 (looking NE) 2012-02-15 14-07-46



YWK PP4 Feb2012 ESP 141 (looking NW) 2012-02-15 14-08-01



YWK PP4 Feb2012 ESP 142 (looking W) 2012-02-15 14-08-06



YWK PP5 Feb2012 ESP 143 (looking NW) 2012-02-15 14-16-57



YWK PP5 Feb2012 ESP 144 (looking W) 2012-02-15 14-17-02



YWK PP6 Feb2012 ESP 145 (looking SW) 2012-02-15 14-19-15



YWK PP6 Feb2012 ESP 146 (looking W) 2012-02-15 14-19-19



JOR PP1 Feb2012 ESP 110 (looking S) 2012-02-15 11-38-35



JOR PP1 Feb2012 ESP 111 (looking SE) 2012-02-15 11-38-41



JOR PP2 Feb2012 ESP 112 (looking N) 2012-02-15 11-48-53



JOR PP2 Feb2012 ESP 113 (looking NW) 2012-02-15 11-49-06



JOR PP2 Feb2012 ESP 114 (looking S) 2012-02-15 11-49-15



JOR PP2 Feb2012 ESP 115 (looking SE) 2012-02-15 11-49-22



JOR PP3 Feb2012 ESP 116 (looking N) 2012-02-15 11-53-55



JOR PP3 Feb2012 ESP 117 (looking S) 2012-02-15 11-54-05



JOR PP3 Feb2012 ESP 118 (looking W) 2012-02-15 11-54-12



JOR PP4 Feb2012 ESP 119 (looking N) 2012-02-15 12-04-56



JOR PP4 Feb2012 ESP 120 (looking NW) 2012-02-15 12-05-10



JOR PP4 Feb2012 ESP 121 (looking S) 2012-02-15 12-05-19



JOR PP4 Feb2012 ESP 122 (looking SE) 2012-02-15 12-05-28



JOR PP5 Feb2012 ESP 123 (looking NW) 2012-02-15 12-11-00



JOR PP5 Feb2012 ESP 124 (looking S) 2012-02-15 12-11-18



JOR PP5 Feb2012 ESP 125 (looking W) 2012-02-15 12-11-23



Jordan - extra photo  
Feb2012 ESP 126 2012-02-15 12-12-08



Jordan - extra photo  
Feb2012 ESP 128 2012-02-15



Jordan - extra photo  
Feb2012 ESP 127 2012-02-15



OVRA PP1 Feb2012 ESP 024 (looking S) 2012-02-14 12-59-26



OVRA PP1 Feb2012 ESP 025 (looking SW) 2012-02-14 12-59-41



OVRA PP2 Feb2012 ESP 026 (looking SW) 2012-02-14 13-00-33



OVRA PP2 Feb2012 ESP 027 (looking W) 2012-02-14 13-00-43



OVRA PP3 Feb2012 ESP 028 (looking NE) 2012-02-14 13-02-37



OVRA PP3 Feb2012 ESP 029 (looking SE) 2012-02-14 13-02-48



OVRA PP3 Feb2012 ESP 030 (looking SW) 2012-02-14 13-02-59



OVRA PP4 Feb2012 ESP 031 (looking NE) 2012-02-14 13-04-40



OVRA PP5 Feb2012 ESP 032 (looking N) 2012-02-14 13-06-43



OVRA PP5 Feb2012 ESP 033 (looking SW) 2012-02-14 13-06-51



OVRA PP6 Feb2012 ESP 034 (looking E) 2012-02-14 13-16-30



OVRA PP6 Feb2012 ESP 035 (looking NE) 2012-02-14 13-16-45



OVRA PP6 Feb2012 ESP 036 (looking S) 2012-02-14 13-16-58



OVRA PP6 Feb2012 ESP 037 (looking SE) 2012-02-14 13-17-10



OVRA PP7 Feb2012 ESP 038 (looking N) 2012-02-14 13-20-03



OVRA PP7 Feb2012 ESP 039 (looking NW) 2012-02-14 13-20-11



OVRA PP7 Feb2012 ESP 040 (looking W) 2012-02-14 13-20-17



OVRA PP8 Feb2012 ESP 041 (looking E) 2012-02-14 13-23-02



OVRA PP8 Feb2012 ESP 042 (looking NE) 2012-02-14 13-23-16



OVRA PP8 Feb2012 ESP 043 (looking SE) 2012-02-14 13-23-26

# **Attachment 4**

## **Site Record**

Table 1  
ESP Site Record

ESP Site Record: Yowkwala						
Observational Categories	8/6/09	10/8/09	12/3/09	2/9/10	4/22/10	6/24/10
<b>Human Impacts</b>	Yes - Continues to be hang out spot with bonfires and party trash	Bonfire, minimal trash, yellow boom on shore line	No sign of recent activity. Minor high tide line floatables	No sign of recent activity. Minor high tide line floatables	No recent activity noted; slight amount of trash	Very little trash noted since volunteer event recently occurred
<b>Erosion</b>	None noted	None noted	None noted	None noted	None noted	Minor erosion at hillside
<b>Weeds</b>	Heavy along immediate shoreline area - butterfly bush, pepperweed, blackberry, Scot's broom	Previous weeds still noted - nightshade added	Previous weeds still noted - Pampas grass added	Previous invasives still noted. Some removal at the north end of site. Curled dock added.	Previous invasives still noted; thistle added	Previous invasives still noted
<b>Fencing</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	Low survival of recent plantings due to weather/heat stress	Loss of some shore pine	No new plantings	Plants at south end of site look good (however, dormant)	Blackberry regrowth was noted in the planted area; plants small but alive	Generally good survival from spring/fall plantings, but some did not survive
<b>Flora</b>	Beach plants having most success		Gumweed, dune grass, black raspberry noted at N. end of site	Poison oak limits volunteer opportunities	Plants look good; starting to flower and leaf out	Some patches of pickleweed in marsh area
<b>Fauna</b>	Avian species noted	Finch, king fisher, crow, coyote	Gulls, crow, heron, seals, dog, small avian species	Some avian species, dog, gulls, fish, sea lions, crow	Little wildlife activity was noted	Crows, bluebird, crane, seagulls, other avian species
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken

Table 1  
ESP Site Record

ESP Site Record: Yowkwala						
Observational Categories	8/31/10	10/24/10	12/23/10	2/9/2011 (City)	4/23/2011 (CHB)	6/16/2011 (CHB)
<b>Human Impacts</b>	Approximately five firepit areas were found along the shoreline, very close to the vegetation and driftwood. Significant trash was also identified in these areas.	No new impacts noted	Small amount of trash in the riparian area. Styrofoam pellets and trash present in the tide line.	Two teenage boys were onsite with tools to maintain path. Told them it was a preserved site and requested that they not be onsite, particularly cutting things.	Trash was present in the backshore/marsh area	Two people were onsite in middle backshore area - warned to beware of poison oak. Minor trash was present.
<b>Erosion</b>	A minor amount of erosion was noted in the transition between the beach and upland area at the east end of the site	None noted	Same as before	Minor erosion near the marina end, as before. Slides on the hillside northwest of the path.	None noted	None noted
<b>Weeds</b>	Previous invasives still present Poison oak should also be noted.	Blackberry noted	Blackberry noted	No new invasive species noted	Some blackberry regrowth, curled dock and scott's broom present at the site entrance. Other species present include butterfly bush and thistle.	Invasive species present include pepperweed, white sweet clover, curled dock and blackberry near the site entrance, pepperweed on the adjacent Tyee Marina property, and Scot's broom and blackberry in the backshore area and up the hillside. Pepperweed also present around the trail and middle backshore area.
<b>Fencing</b>	Not applicable	Not applicable	New goose exclusion fencing is intact	Looks good	No change noted	A couple of the sections of goose exclusion fencing are leaning.
<b>Plantings</b>	Generally appears good	Appear to be surviving	Some root exposure in the marsh area, but generally look good	95% survival estimated. No pickleweed noted. Dune grass plugs showing green.	Riparian plantings are doing very well. Dune grass has estimated 50% survival, and status of pickleweed was uncertain at the time of the inspection.	Most of the plants installed in fall 2010 are surviving but are being overgrown by tall grass.
<b>Flora</b>	Some jaumea noted in the marsh area along with the pickleweed	Generally healthy	Generally good. Some possible stress in madrone.	Generally good, with no stress, disease, or damage identified	Overall appears healthy. The Oregon grape, snowberry, shore pine, Douglas fir and rose were all doing notably well.	No concerns were noted. Poison oak is spreading into open areas.
<b>Fauna</b>	Seals, small avian species, shells, dog	None noted	Little wildlife activity present during the inspection	Crows, ducks, seagulls, and other small avian species	None noted	Geese, seals and great blue heron
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken

Table 1  
ESP Site Record

ESP Site Record: Yowkwala				
Observational Categories	8/10/2011 (City)	10/25/11 (CHB)	12/9/11 (CHB)	2/15/2012 (City)
<b>Human Impacts</b>	Party and fishing related trash present. Some of the GED had been knocked down and needs to be removed. There were 4-5 firepits observed and the party house had been reconstructed.	Minor trash present	Some rebar and plant containers remain on site from the last planting event and need to be removed. Also minor trash present in the tideline.	No evidence of recent activity was observed. Minor trash present in the backshore area.
<b>Erosion</b>	Same as before	None noted	None noted	None noted
<b>Weeds</b>	The social trail was noted to be more overgrown than before with encroachment by poison oak. Pepperweed, in flower was noted along with other species that have been noted in prior inspections.	Minor blackberry, St. John's wort and a few tansy ragwort were identified at the marina end of the site	Scot's broom, blackberry and butterfly bush noted, along with minor amounts of morning glory and one tansy ragwort plant	No new invasive species observed
<b>Fencing</b>	No change noted. See GED notes under Human Impacts above.	No change noted	No change noted	No change
<b>Plantings</b>	Shore pine and Oregon grape were noted as doing the best in the new planting areas	The dune grass planted near the marina entrance to the site is doing very well	Most plants from November planting appear healthy, particularly evergreen huckleberry, Oregon grape, shore pine and salal	Good survival noted
<b>Flora</b>	Fleshy jaumea, dune grass, pickleweed, gumweed and orache were all noted in the back marsh area. Some drought stress was noted.	Overall appears healthy. Sword fern is spreading at the entrance area and looks very healthy. Many trees and shrubs are also doing quite well in this area.	Overall appears healthy. Dune grass at the site entrance is continuing to do well and has grown considerably.	Some madrones were damaged in winter storms. No other concerns noted.
<b>Fauna</b>	Seagulls, geese, otter, crabs, mussels, hummingbirds, crow and bees	Found the remains of a seagull and a small garter snake	Harbor seals off shore	Kingfisher, dog, sea lion, crow, mole, and small avian species
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken

Table 2  
ESP Site Record

ESP Site Record: Skookum Wulge					
Observational Categories	8/6/09	10/8/09	12/3/09	2/9/10	4/27/10
<b>Human Impacts</b>	Minor trash	None noted	None noted	None noted	Minimal trash; car bumper in marsh area; old wood dock on beach
<b>Erosion</b>	Point continues to erode due to wave action	Same	Same	Point has eroded significantly since the last visit	Embankment erosion is continuing
<b>Weeds</b>	Few native plants - presently primarily blackberry and ivy	Knotweed on south end of site injected in September	Small amount of Reed Canary Grass	Same - non associated with newly planted area	Blackberry and vetch
<b>Fencing</b>	Repair of perimeter fencing needed when clearing and planting are completed	Repair planned in conjunction with planting	Fence posts sand blasted, repainted and reinstalled with new chain and City locks. Silt fence remains in place.	Looked great	Silt fence can be removed; not connected in some sections
<b>Plantings</b>	Planned for October 2009	Planned for November 7	Half of site planted November 7 with mulch - plants look good, survival high	Still looks good	Minimal plant mortality from fall 2009 planting
<b>Flora</b>	Few native plants	Same	Over 700 plants added to northern half of site. Additional planting planned for the spring.	Some dunegrass lost to erosion. Moved plants near eroding edge to safe areas of the site.	Generally healthy; bluebells, quince, red flowering currant, and dune grass volunteering; sword ferns showing some stress
<b>Fauna</b>	Avian species noted	Avian species	Ducks, gull	Crow, gull	None noted
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken

Table 2  
ESP Site Record

ESP Site Record: Skookum Wulge					
Observational Categories	6/25/10	8/31/10	10/19/10	12/15/10	2/9/2011 (City)
<b>Human Impacts</b>	Minimal trash; old wood dock remains on beach	Minimal trash associated with the tide	Minor trash in ivy	Trash in tide line	Minor trash
<b>Erosion</b>	Embankment continues to erode	Embankment continues to erode	Same as before	Same as before	Erosion is continuing, and more plants should be salvaged from the top of bank
<b>Weeds</b>	Same plus curled dock, white sweet clover, and wild pea	Same, with blackberry and pepperweed noted	Scot's broom, blackberry, ivy, wild pea, and a small patch of knotweed noted	None noted	Same as before
<b>Fencing</b>	Silt fence can be removed; continuing to fall down in places	Chain and bollards in good condition. Silt fence still requires removal	No changes noted	No changes noted	No changes noted
<b>Plantings</b>	Some Oregon grape from fall 09 planting not doing well	Recent plantings doing well with approximately 90% survival	Approximately 85% survival	Most appear to be doing well. Movement of mulch on site has covered up some low-growing plants.	Approximately 95% survival estimated
<b>Flora</b>	Generally healthy; volunteer big leaf maple, soft stem rush, and fireweed	Lots of big leaf maple volunteers in the north area	Generally doing well, with some possible white mold/fungus on the young maples	Most doing well, although some Oregon grape may be struggling	Generally good - winter dormancy
<b>Fauna</b>	Immature eagle offshore	Dead sea lion and dead baby seal	None identified	Canada geese and small avian species	Seagull, duck, and cormorant
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Not taken	Taken

Table 2  
ESP Site Record

ESP Site Record: Skookum Wulge					
Observational Categories	4/29/2011 (CHB)	6/16/2011 (CHB)	8/10/2011 (City)	10/15/11 (CHB)	12/9/11 (CHB)
<b>Human Impacts</b>	Minor trash in tide line	None noted	Minor trash in tide line	Minor trash	None noted
<b>Erosion</b>	No change noted	No change noted	Erosion appears to be continuing at a decreased rate	No change noted	No change noted
<b>Weeds</b>	Ivy is present in the south uplands, and knotweed is coming back. Some blackberry and dock are present as well.	St. John's wort, vetch, blackberry, and knotweed noted.	The knotweed is to be treated in late August, some with injection and some with spray. Blackberry and ivy are resprouting at the south end, and some pepperweed starts were noted in the north marsh area.	Some ivy is coming back in the south uplands. Minor blackberry is also present in the north uplands and central portion of the site.	Minor blackberry and thistle noted in the North uplands, along with at least one butterfly bush. Some ivy is growing back in the South uplands.
<b>Fencing</b>	No change noted	No change noted	One bollard was leaning but remainder in good condition	No change noted	No change noted
<b>Plantings</b>	Coastal strawberry and trailing blackberry have broken through the mulch and appear to be doing very well. Others seem healthy as well.	All recent plantings are doing well. The coastal strawberry in particular is showing good coverage.	In preparation for planting, jute mat has been placed on the south end slope where the ivy was removed. A small beach area will also be cut to allow the tide to move into a small depression behind the logs. The north hillside vegetation is not establishing particularly well.	Plantings in the south uplands being done on the day of the inspection. Other recent plantings are doing quite well.	Coastal strawberry planted in November is doing well. Hand sown grass is coming in through the mulch in the south uplands planting area. Tufted hair grass and salt grass are doing well in the marsh.
<b>Flora</b>	Overall the vegetation appears healthy, and some maples were volunteering.	Overall the vegetation is doing well. Rushes have become established in the north uplands and are overgrowing other planted species. Fireweed is also established. Volunteer maple and alder are also present.	Some minor amounts of herbaceous species are establishing on the eroded face. Volunteer alder, cottonwood, and big leaf maple were noted. Some drought related stress was noted.	Overall site is healthy. Some roses above the marsh are struggling but coastal strawberry and trailing blackberry are doing well. Alder, maple, fireweed and rushes are volunteering and salt grass is doing well in the marsh.	Overall the site appears healthy. Coastal strawberry in the North uplands is spreading nicely. Oregon grape and snowberry in this area are also doing well. Fireweed was noted as volunteering.
<b>Fauna</b>	Killdeer family in north uplands	None noted	Great blue heron, seagull, crabs, and small avian species	Harbor seals off shore	None noted
<b>Photo-documentation</b>	Not taken	Not taken	Taken	Not taken	Not taken

Table 3  
ESP Site Record

ESP Site Record: Squally Beach					
Observational Categories	8/6/09	10/8/09	12/3/09	2/9/10	4/27/10
Human Impacts	Clearing from sign to marsh opening	Dumped oyster shells	Adjacent site cleared of blackberry	None noted	Minimal trash
Erosion	Minor - not significant	Minor	Minor	Minor at fence line	None noted
Weeds	Minor blackberry and pepperweed. Knotweed to the north continues to be encroachment concern.	Cord grass identified. Knotweed on adjacent site injected in September.	Cord grass identified and targeted for removal	Cordgrass removed. Knotweed injected and areas will be monitored.	Lots of blackberry and dandelion regrowth on berm knotweed, broadleaf plantain, and some vetch
Fencing	Perimeter fencing is good. Wood debris exclusion fencing needs repair (approx. 30').	Fencing still needs repair	Fencing has been repaired. Post now bent	Fencing down and post out. Needs more repair	Fencing still down and needs repair or removal
Plantings	None noted	Plants previously cut near the sign - coming back with vigor	None noted	No recent plantings	No recent plantings
Flora	All species doing well	Same	Same	Same	Generally healthy, as before
Fauna	Avian species noted	None noted	Gulls, crow	Gull	Canada geese scat
Photo-documentation	Taken	Not taken	Not taken	Taken	Not taken

Table 3  
ESP Site Record

ESP Site Record: Squally Beach					
Observational Categories	6/11 and 6/25/10	8/31/10	10/20/10	12/15/10	2/9/2011 (City)
Human Impacts	Foot bridge laid across west marsh; a large amount of cardboard fruit boxes with rotting fruit present; other minor trash	Minimal trash	Minor trash	Minor trash	Minor trash
Erosion	None noted	None of significance	None noted	Minor near the berm.	Minor, near the mouth
Weeds	Same species noted, plus St. John's wort, curled dock white sweet clover, and wild pea	Cordgrass noted in many more locations. Also knotweed in middle of riparian area along with the area at the west end of the site, and blackberry.	Blackberry and knotweed noted. Cordgrass being removed by crew from the Dept of Agriculture.	Blackberry, knotweed, reed canary grass and curled dock noted.	Three spartina (cordgrass) starts pulled in the area of previous removal
Fencing	Fencing still needs repair or removal	Fence has been removed and posts remain.	Not applicable	Not applicable	Not applicable
Plantings	No recent plantings	No recent plantings	No recent plantings	Generally good with some animal damage noted	Generally good, with a couple of deschampsia plugs exposed
Flora	Generally healthy with some drought stress and some animal damage	All generally healthy. Approximately 60% of roses show evidence of mossy rose gall wasp.	Generally healthy	Generally healthy. Grasses noted in high marsh area.	No stress, disease or damage noted
Fauna	Crabs, bird feathers, seashells	Small avian species.	None identified	Small avian species, mussels	None identified
Photo-documentation	Not taken	Taken	Not taken	Not taken	Taken

Table 3  
ESP Site Record

ESP Site Record: Squally Beach					
Observational Categories	4/29/2011 (CHB)	6/16/2011 (CHB)	8/10/2011 (City)	10/25/11 (CHB)	12/9/11 (CHB)
Human Impacts	Minor trash	Minor trash	None noted	Minor trash between the berm and the roadway	Minor trash in the marsh
Erosion	None noted	None noted	A small amount was present on the shoreline of the site	None noted	None noted
Weeds	Knotweed is growing in the planted area at the end of the west woods and has entered the woods. Some blackberry, vetch and wild pea are also present. A possible recurrence of Spartina was also identified.	The knotweed is continuing to spread and requires attention. Blackberry, vetch, wild pea, and white sweet clover were also observed. No cordgrass was seen due to extensive growth of saltgrass and pickleweed.	The knotweed needs to be sprayed/injected. White sweet clover was noted, especially on the islands, and needs to be pulled.	Knotweed continues to be an issue. Some that was injected is dead, but some is still growing under the tree canopy at the north end and may have been too small to inject. Minor blackberry also present.	Blackberry present near the information sign and knotweed present at the north end of the west woods.
Fencing	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Plantings	Plantings at the end of the west woods are doing well. Dune grass is coming in along the edge. Willow stakes are alive and starting to leaf.	New plants in the far corner of the west woods are being overgrown by knotweed. Willow stakes on the west island are doing well while those on the east island have not survived.	Some of the willows/roses on the islands are surviving	One shore pine is all that has survived in the NW corner. The rest has been crowded out by knotweed. Some of the dunegrass planted at the edge of the embankment has also survived.	No change noted
Flora	Overall vegetation appears healthy	Overall the vegetation is doing very well, and there are some roses and yarrow coming in on the islands. Lyngby sedge is very healthy.	Minimal drought stress was noted on the established vegetation. All species are doing well. Some rose gall was noted, but less than last year. There was no indication of cordgrass.	Overall the site appears healthy. Snowberry, ocean spray, Douglas fir, willow, alder, rose and cottonwood are all doing well.	Overall site appears healthy. Some roses appear to be volunteering near the sign.
Fauna	None noted	None noted	small avian species, geese, bees, butterfly, dragonfly and gnats. Also some small trails were noted near mid-site and may be animal (deer) related.	Numerous ducks present off shore	None noted
Photo-documentation	Not taken	Not taken	Taken	Not taken	Not taken

Table 4  
ESP Site Record

ESP Site Record: Mowitch					
Observational Categories	8/6/09	10/8/09	12/10/09	2/9/10	4/27/10
Human Impacts	None noted	None noted - minor trash	None noted	Minor	Minimal trash
Erosion	None noted	None noted	None noted	None noted	None noted
Weeds	Small areas of blackberry, phragmites, and pepperweed. Bird's foot trefoil	No new noted	No new noted	Tansy ragwort noted	Blackberry regrowth, thistle, reed canary grass, vetch, wild anise, and tansy noted in areas
Fencing	Needs main gate	Main gate replacement if deemed necessary Could remove more goose exclusion	Main gate replacement if deemed necessary	Main gate replacement if deemed necessary	Fence in excellent shape
Plantings	None noted	Snowberry, rose, carex lyngbyei, goose tongue all doing well	Rose doing well. More conifers in the riparian area	Rose, carex lyngbyei, shore pine doing well.	Several rose bushes and unidentified shrub with lichen on branches
Flora	Volunteer pickleweed noted	Jaumea, brass buttons	No new noted	No new noted	Plants look generally healthy; willows, lupine, red flowering currant, Douglas fir, poplar, vine maples, shore pines, horsetails, plantain, sedges, and tufted hair grass noted as doing well
Fauna	Avian species noted	Ducks	Mallard ducks	Ducks, gulls	Canada geese and ducks
Photo-documentation	Taken	Not taken	Not taken	Taken	Not taken

Table 4  
ESP Site Record

ESP Site Record: Mowitch					
Observational Categories	6/25/10	8/25/10	10/29/10	12/15/10	2/9/2011 (City)
Human Impacts	Minor trash	Minor trash	Minor trash	Minor trash	Minor trash
Erosion	None noted	None noted	None noted	Minimal on the far bank	None noted
Weeds	Same, plus wild fennel, curled dock, and white sweet clover	Phragmites in the middle of the site and blackberry	Same as before. Some re-growth of phragmites noted.	Tansy ragwort, reed canary grass, and blackberry noted	Phragmites was recently removed
Fencing	No change	No change - gate still needs repair if necessary	No change noted	No change noted	No change noted
Plantings	Spring 09 plantings on benches do not appear to have survived; others doing well	No recent plantings	Generally good	Generally good with some animal damage noted	Generally good. Approximately 80% of new plants have been damaged by rabbits, with 20% of those taken to the ground. Most will likely survive. Some existing plants damaged as well.
Flora	Plants look good, as before; some predation on plantain noted	Plants look generally healthy with some drought stress. Lots of volunteer pickleweed and increased growth on the island marsh area noted. Also a large patch of fleshy jaumea is present near the middle marsh.	All generally healthy	Generally good with some volunteer grasses noted. Some yellowing of Douglas firs was identified.	Generally healthy with no disease or stress identified
Fauna	Evidence of geese nesting	Butterfly and wasp	Ducks	Seagull and ducks	Geese and killdeer
Photo-documentation	Not taken	Taken	Not taken	Not taken	Taken

Table 4  
ESP Site Record

ESP Site Record: Mowitch					
Observational Categories	4/29/2011 (CHB)	6/16/2011 (CHB)	8/10 & 8/11/2011 (City)	10/25/11 (CHB)	12/17/11 (CHB)
Human Impacts	Minor trash	Minor trash	One piece of metal is present in a back channel	Minor trash	Minor trash present. There is some exposed netting along the path that could be removed.
Erosion	None noted	None noted	None noted	None noted	None noted
Weeds	Blackberry, thistle, reed canary grass, tansy ragwort, fennel, dock, and one scott's broom noted. Some phragmites was also observed.	Pepperweed, wild fennel, vetch, thistle, curled dock, and blackberry noted, along with two small patches of phragmites	Phragmites is still present in at least three areas	Minor blackberry is present throughout the site along with some wild fennel, thistle and reed canary grass. Two small patches of phragmites are also present.	Some reed canary grass is present throughout the site, along with patches of common tansy, blackberry and thistle. The two patches of phragmites are still present.
Fencing	No change noted	No change noted	No change noted	No change noted	No change noted
Plantings	Most recent plants appear to be surviving, although some animal damage was observed	5 Douglas fir, 5 shore pine, 1 alder and some ninebark, snowberry and red flowering currant appear to have survived the grazing.	The shorepine are doing notably well	Most plants from Fall 2010 did not survive due to predation. A few of the trees and shrubs did survive.	Same as before
Flora	Overall, vegetation appears healthy. Generally, the shrubs seem to do better at this site than the trees. Lyngby sedge, salt grass, and tufted hairgrass were all doing notably well.	Overall the vegetation is doing well, with lupine, roses and daisies blooming. Willows, spruce, shore pine, Douglas fir, and maples are all doing well. Eight mature alders remain near the front of the site, and one young alder is present mid-site. There continues to be little vegetation present on the benches.	Some green is finally appearing in sizable amounts on the islands. Species present include brass buttons, salt grass and pickleweed. Some drought stress in the riparian area was noted.	Overall site appears healthy. The snowberries are heavy with berries and most of the conifers are doing well. Several patches of an aster type plant with purple rayed petals were present in the backshore area.	Snowberry still look good and full of berries. The lupine, rose, willow and most of the conifer species were noted as doing well. Some dead trees are present - mostly the alder and one Douglas fir.
Fauna	Rabbit, killdeer, geese, heron, mallards	Song birds	Ducks, swallow and killdeer	Ducks and kingfisher	Ducks
Photo-documentation	Not taken	Not taken	Taken	Not taken	Not taken

Table 5  
ESP Site Record

ESP Site Record: Jordan					
Observational Categories	8/6/09	10/8/09	12/10/09	2/3/10	4/28/10
<b>Human Impacts</b>	Minor trash - recreational trail use	Small sign removed	None noted	None noted	Makeshift shelter found at the south end of the site made from small alders cut from the site; cottonwood down in same area, damaging other conifers; also, some damage to middle viewing platform noted
<b>Erosion</b>	None noted	None noted	None noted	None noted	None noted
<b>Weeds</b>	Blackberry encroachment on E side of trail. Reed canary grass and purple loosestrife are on-going concerns	Same	Blackberry on E side of trail recently cut back by WCC crew	Need to grub blackberry and place erosion control material	Invasive species noted include Scot's broom, reed canary grass, and blackberry
<b>Fencing</b>	Platform structures intact	Same	Same	Same	Damage to middle viewing platform
<b>Plantings</b>	None noted	Needed for spring	Needed for spring in area of blackberry removal on the east side of trail	Planting planned for east side of trail.	No recent plantings
<b>Flora</b>	All species are doing well	Same	Same	Lots of buds, Indian plum leafing out	Alder thriving, other plants doing well; some strawberry volunteering at south end
<b>Fauna</b>	Beaver evidence. Avian species noted	Avian species, heron, otters (?)	Chickadee, wren, ducks, dog	Beaver	Avian species, beaver evidence, ducks
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken

Table 5  
ESP Site Record

ESP Site Record: Jordan					
Observational Categories	6/14/10	8/25/10	10/27/10	12/14/10	2/2/2011 (City)
<b>Human Impacts</b>	Shelter requires removal; plexiglass on information kiosk has been broken on two of the three sides; more damage to viewing platforms; last handrail stolen; some alders cut at about 3 feet high in various places	Alder cutting had been performed by Restoration Logistics in excess of that desired by Trustees. NOAA will provide direction on approach to re-establish these areas. Minor trash noted.	Same as before. Minor trash found at 8th Street entrance.	No new impacts were noted	Ten fir trees cut along with some alder on the south hill used to make another structure. Also, minor trash associated with fishing areas. Small firepit found on trail up slope from photo point 1.
<b>Erosion</b>	None noted	No erosion noted. Sedimentation present at the upstream entrance.	No new noted	None noted	Slide on east side of trail near south end continuing
<b>Weeds</b>	Same as before, plus field bindweed and common teasal	Blackberry and knotweed	Reed canary grass, blackberry, and Scot's broom noted	Same as before	Same as before
<b>Fencing</b>	Same as before	Good	Good	Same as before	Good - intact
<b>Plantings</b>	No recent plantings	No recent plantings	No recent plantings	No recent plantings	No recent plantings
<b>Flora</b>	Native plantings doing well despite overabundance of alder; once alder thinning has occurred, replant with shrubs and groundcover; some beaver damage to alders noted	Generally healthy with some drought stress	Generally healthy. Big leaf maple and possibly madrone volunteers were noted.	Generally good.	Generally healthy with no disease, stress or damage noted (except as noted above)
<b>Fauna</b>	None noted	Fish, frog, small fish in channels, and a new beaver dam (near PP2)	Insects, juvenile hawk, small avian species, and evidence of beaver and moles.	None noted	Beaver, red-winged blackbird, dog, ducks, small avian species
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Not taken	Taken

Table 5  
ESP Site Record

ESP Site Record: Jordan					
Observational Categories	4/29/2011 (CHB)	6/9/2011 (CHB)	8/11/2011 (City)	10/27/11 (CHB)	12/17/11 (CHB)
<b>Human Impacts</b>	No new impacts were noted	No new impacts were noted	The social trail up to the upper hill area is still present but there was no evidence of recent activity noted.	No impacts noted	Minor trash
<b>Erosion</b>	None noted	None noted	None noted	None noted	None noted
<b>Weeds</b>	Same as before, plus herb Robert noted	Blackberry, reed canary grass, herb Robert, Scot's broom, vetch, morning glory, tansy ragwort and purple loosestrife noted	The amount of reed canary grass on the hilltop seems to have increased.	Some Scot's broom and blackberry were noted on the east side of the trail and reed canary grass throughout the site	Same as before
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	No recent plantings	No recent plantings	No recent plantings	No recent plantings	Most plants installed by EarthCorps and CHB in November appear healthy. Minor herbivory has occurred.
<b>Flora</b>	Overall the site appears healthy with many species noted as doing well. One large cottonwood was down on the west side near the trail.	Overall many species were noted as doing well. Some big leaf maple volunteers were identified. There were some signs of beaver damage on trees near the creek. A couple of Douglas fir had some brown needles, but the site appears generally quite healthy.	The alders from Platform 3 to the south are suckering out. Conifers near Platform 3 are doing well with lots of new growth. Big leaf maple volunteers noted. Plants were dry but no real signs of drought stress were noted.	Overall site appears healthy. The snowberry is blooming and there is a lot of thimbleberry. Alders, conifers and cottonwood are all doing well.	Overall site appears healthy with sword fern, snowberry, trailing blackberry, alder, Douglas fir, spruce and shore pine all noted as doing well. Many young conifer volunteers are present on the west hill.
<b>Fauna</b>	None noted	Ducks in the creek	Person/dog, bugs, beaver, small avian species, geese, and a stellar jay	Avian species and frogs	Small avian species and ducks, as well as people and dogs
<b>Photo-documentation</b>	Not taken	Not taken	Taken	Not taken	Not taken

Table 6  
ESP Site Record

ESP Site Record: Middle Waterway, City					
Observational Categories	8/12/09	10/21/09	12/10/09	2/9/2010	4/28/10
<b>Human Impacts</b>	Minor trash - along roads and high tide line	Large hole and shovel found in upper marsh - minor damage to salt grass establishment	No new noted	Minor trash/hole	Minor trash; appears someone may have planted irises near the boat facility
<b>Erosion</b>	Non-significant	None noted	None noted	Minor	Same as before
<b>Weeds</b>	Small areas of knapweed, blackberry, nightshade, pampas grass, butterfly bush, white sweet clover	No new noted	No new noted	More pampas grass noted	Reed canary grass, curled dock, thistle, blackberry, and St. John's wort noted
<b>Fencing</b>	Perimeter fencing intact	Same	Same	Same	Same as before
<b>Plantings</b>	Could use additional riparian plants in areas	Planting proposed in the square marsh area paralleling F Street	Planting proposed in the square marsh area paralleling F Street	Some trees cut under power lines	No recent plantings
<b>Flora</b>	Jaumea spreading	Volunteer birch, oak	Same	No new noted	Plants appear generally healthy; lupine, vine maple, wild pea, salmonberry, willows, pickleweed, and saltgrass doing notably well; horsetails are volunteering and doing well
<b>Fauna</b>	Avian species noted	Small avian species, bunny, gulls, crow	Small avian species, ducks, geese	Bunny, dog, gulls	Rabbit and geese
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken

Table 6  
ESP Site Record

<b>ESP Site Record: Middle Waterway, City</b>					
<b>Observational Categories</b>	<b>6/26/10</b>	<b>8/10/10</b>	<b>10/28/10</b>	<b>12/20/10</b>	<b>2/2/2011 (City)</b>
<b>Human Impacts</b>	Same as before	Minor trash	None noted	Minimal trash	Minor trash
<b>Erosion</b>	Same as before	None noted	Same as before	None noted	None noted
<b>Weeds</b>	Same as before, plus oxeye daisy and plantain	White sweet clover in the square marsh, and dames rocket near the substation. Knapweed removal needed near the outfall off 11th.	Reed canary grass, curled dock, thistle, blackberry, St. John's wort, black medic, and oxeye daisy noted	Only creeping buttercup noted	No new noted
<b>Fencing</b>	Same as before	Perimeter fencing intact	Same as before	Same as before	Same as before
<b>Plantings</b>	No recent plantings	Low survival due to lack of irrigation	Same as before	Generally healthy with only the Oregon grape showing some possible stress	Generally good, with some rabbit damage to big leaf maple and red flowering currant
<b>Flora</b>	Plants generally healthy, as before; lupine dying out; rose hips, wild pea, and ocean spray are blooming; spruce and oak trees look good; some broken limbs observed	Generally healthy with some heat/sun stress. Fleshy jaumea noted in the square marsh along with continued spread of pickleweed and saltgrass.	Generally good with some fall/winter die back noted	All generally doing well with only the Douglas fir showing some possible stress	Generally good with no disease or stress identified
<b>Fauna</b>	Dead rodent, monarch butterflies, and dragonfly	Great blue heron, crickets, and small avian species	Avian species	Ducks in the water adjacent to the site	Clams and seagulls
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Not taken	Taken

Table 6  
ESP Site Record

ESP Site Record: Middle Waterway, City					
Observational Categories	4/29/2011 (CHB)	6/17/2011 (CHB)	8/9/2011 (City)	10/27/11 (CHB)	12/13/11 (CHB)
<b>Human Impacts</b>	Minor trash	Minor trash	Some dumping of yard debris near the storm outfall was noted along with minor other trash	None noted	None noted
<b>Erosion</b>	None noted	None noted	An area of erosion was observed between the side riparian and the side marsh	None noted	None noted
<b>Weeds</b>	Most invasives present are in the side riparian near the power station and boat yard. Blackberry, dock, thistle, reed canary grass, vetch, and dandelions were noted.	Blackberry near road and in far corner between the boat yard and the power station. St. John's wort observed throughout the site. Small amount of curled dock and tansy observed. The white sweet clover is coming in in the mid-backshore area.	Blackberry, reed canary grass, thistle, white sweet clover and morning glory were noted.	Common tansy, blackberry, reed canary grass and small amounts of white sweet clover were noted.	Species noted include reed canary grass, St. John's wort, common tansy and blackberry
<b>Fencing</b>	Same as before	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	Plantings nearest the road are doing well, and those closer to the marsh are not as healthy looking. Two of the young shore pine are bent over and need to be staked.	All of the recent plantings in both the riparian area and in the backshore/marsh appear to be doing very well. Only two dead trees were noted.	Fifty percent survival in the side riparian area and 80% in the high marsh were estimated	The rushes, tufted hair grass and salt grass planted in the marsh appear healthy, while more limited survival of the riparian species was noted.	Marsh plants generally look good, while mixed success with other species was noted.
<b>Flora</b>	All are doing generally well and are beginning to bud and flower. Some willow and rose volunteers were noted.	Overall site appears quite healthy. Several species in bloom, two volunteer Garry oak trees were noted, and the saltgrass, tufted hair grass, and pickleweed in the outer marsh were very thick. Plants in the far backshore are still somewhat more sparse.	Plants were dry with many showing drought stress. Fleshy jaumea is becoming well established and was noted in many more areas than before. Volunteer gumweed, Oregon ash and oak were observed in the riparian area and pickleweed and saltgrass were noted in the marsh. Maple leaves had been eaten. Rose was doing notably well.	Overall site appears healthy with numerous tree, shrub, and marsh species noted as doing well.	Overall site looks good. Grasses and blackberry along the boatyard fence are thick and limiting growth of roses, so should be removed. Strawberry, red-flowering currant and lupine noted as looking good as well as marsh plants.
<b>Fauna</b>	Rabbit, chestnut-backed chickadee, winter wren	Song birds	Seagulls, dog, bees, killdeer and a rabbit	Bufflehead duck	Ducks
<b>Photo-documentation</b>	Not taken	Not taken	Taken	Not taken	Not taken

Table 7  
ESP Site Record

<b>ESP Site Record: Middle Waterway, Simpson</b>					
<b>Observational Categories</b>	<b>8/12/09</b>	<b>10/21/2009*</b>	<b>12/10/09</b>	<b>2/3/10</b>	<b>4/28/10</b>
<b>Human Impacts</b>	Minimal trash. Vagrant activity noted on the south end of the site near 11th Street.	Vagrant activity continues. TPD notified	Vagrant activity continues. TPD notified	Minor trash	Minimal trash; some dog prints on site
<b>Erosion</b>	None noted	None noted	Small area noted in transition area between riparian and marsh - exposing metal piece	Minor	Same as before
<b>Weeds</b>	Minor pea, St. John's wort, blackberry	No new noted	Sumac, pampas grass	Pampas grass removed	Same as before
<b>Fencing</b>	Not applicable	Not applicable	Not applicable	Same	Not applicable
<b>Plantings</b>	50%? mortality due to weather/heat stress	None noted	May need fill-in shrubs or dune grass at toe	Planting planned for spring 2010	Some saltgrass plantings are partially exposed due to tidal impacts; pickleweed appears healthy
<b>Flora</b>	Dry. Rose doing well	Not noted		No new noted	Generally healthy; a few trees, particularly madrone, appear stressed; saltgrass is spreading, lupine growing, and pickleweed doing well
<b>Fauna</b>	Avian species noted	Avian species, gulls	ducks, geese, small avian species	Gulls, geese, small avian species, sparrow	Rabbit and goose scat
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken

Table 7  
ESP Site Record

ESP Site Record: Middle Waterway, Simpson					
Observational Categories	6/26/10	8/10/10	10/28/10	12/20/10	2/2/2011 (City)
<b>Human Impacts</b>	Minimal trash	Some indications of loitering activity, but no apparent overnight visitors. Gas cans were noted in the riparian area approximately 30' south of photo point 2.	Minimal trash. Some cut logs present near the entrance to the site.	Minimal trash. Some cut firewood remain on the upper beach near the south end of the site.	Minor trash and some firewood remaining at the south end
<b>Erosion</b>	Same as before	None noted	Minor erosion at the base of the berm	Minor erosion at parts of the base of the berm	Same as before
<b>Weeds</b>	Same as before, plus possible black medic	St. John's Wort, blackberry, and knapweed (purple, near 11th)	Possible black medic and some unknown rushes	Same as before	No new noted
<b>Fencing</b>	No perimeter fencing; goose exclusion fencing in good condition	Same as before	Same as before	Goose exclusion fencing remains in good condition	Same as before
<b>Plantings</b>	Same as before; still doing generally well	Pickleweed and dune grass doing well, although some new dune grass (~60%) munched by rabbits	Some dunegrass partially exposed and pickleweed struggling a little	Generally healthy, although some dune grass possibly showing stress	Generally healthy with 90% survival of dune grass estimated
<b>Flora</b>	Generally healthy, as before	Generally healthy with some heat/sun stress noted. Pickleweed coming in well on outer benches in areas both with and without goose exclusion.	Generally healthy with some spotting on madrone leaves noted. Some rose plants volunteering, along with oak tree, and goldenrod.	Generally healthy throughout, although some madrone showing possible stress with spotting on the leaves	Pickleweed in GED looking good and filling out. No disease or stress noted. Minor rabbit damage to roses - approximately 25%.
<b>Fauna</b>	Rabbit, crows, monarch butterflies, and avian species	Rabbits, great blue heron, and small avian species	None identified	Small avian species	Dog, raccoon footprint, small avian species, and seagull
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Not taken	Taken

Table 7  
ESP Site Record

ESP Site Record: Middle Waterway, Simpson					
Observational Categories	4/29/2011 (CHB)	6/20/2011 (CHB)	8/9/2011 (City)	10/27/11 (CHB)	12/13/11 (CHB)
<b>Human Impacts</b>	Minor trash and some firewood remains on site	Same as before	Minor trash on site under the trees at the south end	Human and dog prints along the path	One man was onsite taking a walk. Minor trash was present. The firewood that was present on the site is gone.
<b>Erosion</b>	No change noted	Minor erosion was noted at the base of parts of the berm as well as near the north beach	Minor noted at the head of the waterway	None noted	None noted
<b>Weeds</b>	Invasive species present include blackberry, reed canary grass, dock, and dandelions	St. John's wort, black medic, pea, vetch, blackberry and dandelion were noted	Knapweed, blackberry and butterfly bush	Blackberry, wild pea and St John's wort noted	No new noted
<b>Fencing</b>	Goose exclusion fencing can be removed as it is no longer necessary	Same as before	Same as before	No change noted. Goose exclusion nodes have been removed.	Not applicable
<b>Plantings</b>	Generally healthy with some Douglas fir possibly slightly stressed	Generally doing well with some animal damage to the shrubs noted. Some of the pickleweed within the goose exclusion fencing is not doing well.	Ninety percent survival of recent plantings was estimated	The dune grass planted 2 years ago and the pickleweed planted in 2010 are both doing very well. The Oregon grape and strawberry also appear healthy while the evergreen huckleberry did not do as well.	Roses and Oregon grape were noted as doing quite well.
<b>Flora</b>	The vegetation generally appears healthy throughout the site with no stress or animal damage noted	Overall, the site appears healthy throughout with only some minor stress noted. Several volunteer species are present, and several plants are either in bloom or have recently bloomed.	The site was dry with some drought stress noted. Some carex was noted near photo point 5. A small amount of fleshy jaumea was also found. Pickleweed is doing well.	Overall site appears healthy. A few volunteer roses were noted. Most trees are doing well, although a few dead or dying trees were noted. Most shrubs and marsh plants are also doing quite well.	Generally the site appears healthy. Dune grass is doing quite well as well as strawberry and red-flowerig currant.
<b>Fauna</b>	None noted	Seagulls, bees, and a crow were noted	Woodpecker, great blue heron, sand piper and swallow	Great blue heron and other water fowl	Seagulls and water fowl as well as dog footprints
<b>Photo-documentation</b>	Not taken	Not taken	Taken	Not taken	Not taken

Table 7  
ESP Site Record

<b>ESP Site Record: Middle Waterway, Simpson</b>	
<b>Observational Categories</b>	<b>2/14/12 (City)</b>
<b>Human Impacts</b>	None noted
<b>Erosion</b>	None noted
<b>Weeds</b>	No new species were noted
<b>Fencing</b>	Not applicable
<b>Plantings</b>	No change noted
<b>Flora</b>	Overall site appears healthy. No new volunteer species were observed.
<b>Fauna</b>	Seagull and dog
<b>Photo-documentation</b>	Taken

Table 8  
ESP Site Record

ESP Site Record: Olympic View, City/DNR					
Observational Categories	8/13/09	10/21/09	12/10/09	2/3/10	4/30/10
<b>Human Impacts</b>	None noted	Bricks uncovered by tidal push of gravels	None noted	None new noted	Minor trash
<b>Erosion</b>	Some noted on west side of salt marsh entrance	Same - increasing	Same increasing	Fine sand deposited with recent high tide. Same erosional areas near the mouth of the triangle area. More erosion noted near sign - will need to move sign	Minor erosion; sign has been moved
<b>Weeds</b>	Heavy population of invasives along perimeter goose exclusion	Same	Pepperweed, poison hemlock, mustard, blackberry, nightshade removal	St. John's wort	Same as before, plus tansy ragwort
<b>Fencing</b>	Good condition	Same	Same	Same	Minor repair needed on south fence; goose exclusion in good condition
<b>Plantings</b>	Recent planting of salt marsh - will need to watch for survivability in spring	Same	Same	Same - few hints of plant growth on salt marsh plantings	Same as before; limited growth in salt marsh area
<b>Flora</b>	Rose doing well	Some heat stress noted. Fungal disease/aphids (?) noted.	All riparian doing well	Bunny predation on snowberry	Generally in good condition; only very minor damage/predation noted
<b>Fauna</b>	Avian species noted. Rabbits and fish also noted.	bunny	Ducks, gulls, small avian species	Bunny, duck, gulls	Nesting geese plus gulls, heron
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken

Table 8  
ESP Site Record

ESP Site Record: Olympic View, City/DNR					
Observational Categories	6/26/10	8/11/10	10/25/10	12/28/10	2/2/2011 (City)
<b>Human Impacts</b>	Minor trash	Minor trash	Minor trash and exposed netting	Minor trash	None noted
<b>Erosion</b>	Minor erosion	No erosion noted. Still push of gravels at mouth.	Minimal erosion in the riparian area noted	Some erosion noted in the triangle where some willows were washed away	Push of gravel at mouth/entrance has extended all the way across and there is approximately 2-3 inches of standing water behind. Some erosion at mouth and at photo point 6 and on bayward edge of rip rap slope.
<b>Weeds</b>	Same as before plus possible knotweed	St. John's wort, pepperweed tansy, blackberry, thistle and dock noted	Same as before plus wild fennel	Same as before	No new noted
<b>Fencing</b>	Same as before	All in good condition	Back south part of fence needs minor repair	Same as before	Same as before
<b>Plantings</b>	Generally same as before, although majority of recently planted maples are showing stress	Low survival for upland plants near the gate	50-60% survival near the gate with lowest survival in the northeast corner. Approximately 90% survival of the willows in the triangle.	OVRA - Approximately 40% of recent plantings appear stressed, with lowest survival in the northeast corner. OVRA T - Approximately 70% survival of willow in the triangle with some lost to erosion.	No recent plantings
<b>Flora</b>	Same as before; two young spruce leaning heavily	Generally in good condition with some drought/heat stress noted. Salt marsh showing minor success of a few species.	Generally healthy with minimal vegetation present in the marsh	Generally in good condition	Generally healthy with no disease or stress noted, and only minor rabbit damage
<b>Fauna</b>	Geese, nesting gulls	Caspian terns, crow, geese and gulls	Seagulls	Seagull	Red-winged blackbird, geese, and seagulls
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Not taken	Taken

Table 8  
ESP Site Record

ESP Site Record: Olympic View, City/DNR					
Observational Categories	4/29/2011 (CHB)	6/17/2011 (CHB)	8/9/2011 (City)	10/27/11 (CHB)	12/3/11 (CHB)
<b>Human Impacts</b>	Minor trash	None noted	Minor trash	Minor trash	None noted
<b>Erosion</b>	No new erosion noted since the last inspection in February	Bank near P6 is continuing to erode and several willows have some exposed roots	Small amount at the point and along the front of the OVT berm	Many of the willows along the embankment have exposed roots due to erosion	Same as before
<b>Weeds</b>	Tansy ragwort is coming in, and some thistle is present throughout	St. John's wort, tansy ragwort, thistle and blackberry noted	A large amount of St. John's wort was noted throughout the site	Considerable St. John's wort still present. Tansy ragwort and a few thistle were also	No new noted
<b>Fencing</b>	Same as before.	No change noted	The perimeter fencing could be removed, and GED should be removed as it is falling down and impacting establishing vegetation	No change noted	The front section of the fencing at the OVT site is leaning
<b>Plantings</b>	Generally in good condition, with 20-30% mortality estimated	Three willows, three roses, two maples, and three red flowering currant are surviving, but all are being overgrown by St. John's wort	No recent plantings	Only two willow stakes appear to have survived.	Planting occurring at the time of the inspection
<b>Flora</b>	Generally healthy with no plant stress noted and minor rabbit damage to the roses observed	Site is generally healthy. Several patches of silverweed were in bloom and the roses were spreading in several areas. There is a considerable amount of buttercup and sheep's sorrel present. Two shore pines are leaning heavily near the gate.	Salt marsh vegetation is minimal, but encouraging - scirpus, salt grass, pickleweed, orache and potentilla were observed. Some rabbit damage was identified. Some of the willows are doing very well while some are dead or showing drought stress.	Overall the site is doing well. Shore pine, rose, cottonwood, alder, snowberry, willow, Oregon grape, pearly everlasting, red goose foot and coastal strawberry were all noted as doing well. Some herbivory by rabbits was noted. There are a few volunteer willow present.	Overall the site appears healthy. There is sparse vegetation in the marsh, including silverweed, coastal strawberry and pearly everlasting. The snowberry roses, shore pine, Oregon grape and willow were all noted as doing well.
<b>Fauna</b>	Geese nesting on the outer perimeter, and seals	Many geese present on the beach	Caspian tern, seagull chicks, geese, rabbit and crow	Goose skull	None noted
<b>Photo-documentation</b>	Not taken	Not taken	Taken	Not taken	Not taken

Table 9  
ESP Site Record

<b>ESP Site Record: Tahoma Salt Marsh</b>					
<b>Observational Categories</b>	<b>8/12/09</b>	<b>10/21/09</b>	<b>12/3/09</b>	<b>2/3/10</b>	<b>4/25/10</b>
<b>Human Impacts</b>	Continued vandalism to sprinkler system. Minor trash	None noted	None noted. Minor trash.	None noted	Minor trash
<b>Erosion</b>	Some noted associated with logs and mouth	Same	Same	Same	None noted
<b>Weeds</b>	Small areas of tansy, nightshade, blackberry, thistle	Birds foot trefoil and pea climbing on plants	Thistle removed on island. Tansy still spotty throughout	None new noted	Blackberry, vetch, thistle, and reed canary grass
<b>Fencing</b>	Good condition	Chinese Reconciliation Park filling has removed fencing on North side	Same	Same	Same
<b>Plantings</b>	Dry. Could use some additional plants on the island.	Plantings proposed for island	Mulching event planned for December 12	Red-flowering currant and Oregon grape showing color. Plantings planned for the island and few in the riparian areas spring 2010.	Pickleweed and saltgrass doing well
<b>Flora</b>	Doing well. Salt marsh plants filling in slowly.	Same	Sprinklers to be turned off next summer	Sprinklers set to be off	Generally healthy; a few plants appear stressed
<b>Fauna</b>	Avian species noted. Rabbit	Beaver, killdeer, geese	Geese, small avian species	Geese	Juvenile fish, deer tracks, seagull carcass
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken

Table 9  
ESP Site Record

ESP Site Record: Tahoma Salt Marsh					
Observational Categories	6/23/10	8/31/10	10/27/10	12/18/10	2/2/2011 (City)
<b>Human Impacts</b>	Minor trash	Minor trash	None noted	Minor trash	Minor trash
<b>Erosion</b>	Minimal erosion caused by broken sprinkler	No significant erosion	None noted	Minor erosion in the mouth area at the marsh/upland transition	Some sedimentation near the mouth and LWD on the west transition
<b>Weeds</b>	Same as before	Pepperweed, blackberry, thistle, tansy, and morning glory	Tansy and reed canary grass noted	Same as before	Some tansy rosettes noted
<b>Fencing</b>	Same as before	Same as before	Generally in good condition	Same as before	Same as before
<b>Plantings</b>	Newly planted vine maples look good	Generally good, with 10-20% dead due to heat/weather stress	Same as before	Same as before	Looking good
<b>Flora</b>	Same as before	Generally healthy with lots of pickleweed starts. Scirpus maritimus is established. One area of gumweed on toe of Riparian Area E appears dead. Some heat/weather stress.	Generally in good condition	Generally in good condition with some trees showing possible minor stress	Generally good with no disease or stress noted, and only old, minor animal damage. Oregon grape and red flowering currant are starting to flower.
<b>Fauna</b>	Deer tracks and evidence of deer predation, sandpipers	Deer, raccoon (?) paw print, small avian species, and goose poop on island	Deer tracks and evidence of goose presence	Heron, goldfinches	Seagulls, killdeer, small avian species, deer, finches, ducks, geese, dog, crow, beaver marks on willows, sea lion, and rock doves
<b>Photo-documentation</b>	Not taken	Taken	Not taken	Not taken	Taken

Table 9  
ESP Site Record

ESP Site Record: Tahoma Salt Marsh					
Observational Categories	4/9/2011 (CHB)	6/16/2011 (CHB)	8/9/2011 (City)	10/20/11 (CHB)	12/9/11 (CHB)
<b>Human Impacts</b>	Minor trash	There were two people present on the outer "island" portion of the site. No impacts were noted.	Two firepits were found on the outer island.	Minor trash present	None noted
<b>Erosion</b>	None noted	None noted	Minor in the area of recent planting	None noted	None noted
<b>Weeds</b>	Invasive species present include thistle, dock, tansy ragwort, reed canary grass, and blackberry	Reed canary grass and vetch are present throughout the site. Thistle and white sweet clover were observed on the outer portion of the site, along with a small amount of blackberry and curled dock.	Thistle, reed canary grass and blackberry were noted.	Blackberry, reed canary grass, thistle and minor amounts of tansy ragwort were identified	No new noted
<b>Fencing</b>	GED fencing from past plantings was reused in new planting areas	Some LWD is pushing against the GED fencing	GED in fair condition	No change noted	Some of the GED is leaning and some of the string is missing. It can be removed.
<b>Plantings</b>	New plantings completed in April	Many of the plugs in the marsh are partially exposed by the tide and dried out. Only 6 of the gumweed plugs were found. Some animal (probably deer) damage was noted.	6 gumweed and some of the carex/haigrass on the slope were uprooted by the tide. Others are doing well.	Marginal success of the recent planting was identified.	Same as before. It appears that 4 gumweed, 50+ tufted hair grass, and 40+ salt grass have survived.
<b>Flora</b>	Overall, vegetation appears healthy with no plant stress or animal damage noted	Overall the vegetation is doing quite well in both the riparian area and in the marsh. Some volunteer pickleweed is coming in on the south/southwest side of the marsh.	The scirpus is well established and brass buttons are populating more of the site. Many salt grass and pickleweed volunteers were observed where none were before. The site is dry. Taller weeds need to be removed from around trees and shrubs. Cottonwood was volunteering in the riparian area and fleshy jaumea in the marsh.	Overall the site appears healthy. Thimbleberry is volunteering and many tree and shrub species were noted as doing well in the riparian area. The marsh plants are also doing quite well.	Site appears generally healthy. Oregon grape, spruce, Douglas fir, shore pine, black twinberry, red-flowering currant and ocean spray are all doing notably well.
<b>Fauna</b>	None noted	Deer prints observed in the newly planted portion of the marsh	Crabs, dog, sand fleas, mussels, barnacles and deer	None noted	None noted
<b>Photo-documentation</b>	Not taken	Not taken	Taken	Not taken	Not taken

Table 10  
ESP Site Record

ESP Site Record: Swan Creek						
Observational Categories	8/19/09	10/21/09	12/16/09	2/3/10	4/28/10	6/25/10
<b>Human Impacts</b>	Trails established by fisherman, social. Some trash noted at north end and south end.	Noted beaver dam removal by (?) neighbor	Less human evidence now that LRSS is closed	Cut/broken vegetation due to trail use.	Some trash, particularly near LRSS	Minor trash; debris on site from demolition of adjacent LRSS
<b>Erosion</b>	None noted - flow continues to be modified by beaver activity	Pierce Co recently dredged upstream sediment pond	Jute mat to be placed on steep slope areas	Stream turbidity noticed due to heavy rain	None noted	None noted
<b>Weeds</b>	Heavy areas of blackberry and reed canary grass. Minor areas of Scot's broom, morning glory, knotweed	Same - also large areas of ivy. Small areas of knotweed injection completed in September.	Blackberry and ivy removal in progress - to be followed by spring planting	Nightshade and poison hemlock	Blackberry regrowth noted, along with substantial invasives on island; same species as before, plus Herb Robert, policeman's helmet, thistle, curled dock, vetch, and tansy	Same as before, plus wild pea and dames rocket
<b>Fencing</b>	Fair condition. North fencing recently replaced to deter further dumping	Fencing by Lil Red Smokeshack (LRSS) damaged in Federal drug raid.	Fence repair in progress	Fence repaired	Good condition	Fence damaged during demolition of adjacent LRSS; notified Bill Sullivan
<b>Plantings</b>	Minor damage by beaver.	Good survivability at North end slope	Plantings planned for next spring on slope areas	Same	Plantings are doing well	Oregon grape and ocean spray doing well
<b>Flora</b>	Great coverage near stream and channels.	Red Osier Dogwood looks great. Upper riparian near Pioneer and the LRSS may need some added shrubs and trees	Sitka spruce doing well where established. Noted large tree down on far side of wetland paralleling RxR tracks.	Indian plum, red-flowering currant, and Oregon grape showing color	All generally healthy; some vine maple starts observed; minimal beaver damage noted; supplemental planting on island following invasive removal needed	Good condition; minor stress of some trees noted
<b>Fauna</b>	Beaver, avian species noted	Great Blue Heron, small avian species, ducks	Dead salmon noted in stream, deer, beaver, hooded merganser	Beaver	Ducks, snake	Ducks
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken

Table 10  
ESP Site Record

ESP Site Record: Swan Creek						
Observational Categories	8/11/10	10/29/10	12/15/10	2/9/2011 (City)	4/29/2011 (CHB)	6/9/2011 (CHB)
<b>Human Impacts</b>	Same as before	Same as before	Minimal trash	Minimal trash	Minor trash and debris remains from the demolition of the adjacent LRSS	Possibly some trees near Pioneer had been cut and removed?
<b>Erosion</b>	No erosion noted. Some sedimentation near Channel A diversion - spit growing but still passable.	None noted	None noted	None noted	None noted	None noted
<b>Weeds</b>	Blackberry regrowth along Pioneer noted, along with morning glory, willowherb and small ivy starts	Wild pea, blackberry, reed canary grass, and St. John's wort noted	Reed canary grass, thistle, blackberry, herb Robert, buttercup, and St. John's wort noted	No new noted	Blackberry, thistle, dock, Scot's broom, dandelions, herb robert, and reed canary grass	Blackberry, thistle, vetch and knotweed were noted
<b>Fencing</b>	Same as before. No repairs have been performed at this time	Same as before	Same as before	Same as before	Same as before	Same as before
<b>Plantings</b>	Some mortality for those with sun/heat exposure - shaded plants doing well	Generally doing well, although some Douglas fir not doing well, and some red flowering currant looking dried out	Generally doing well, with Douglas fir showing some possible stress	Generally doing well with approximately 10 douglas fir recently planted on the island	Douglas fir continue to thrive, and some die off of deciduous plantings were noted	Plantings are continuing to do well. Grass is high around new plantings. Some mulch could be placed.
<b>Flora</b>	All generally healthy with some heat stress and conifers surviving better than shrubs. Trailing blackberry volunteering at the north end.	Generally healthy	Generally healthy with some wind damage noted	Generally healthy with no disease or stress noted, and typical beaver damage. Black hawthorne on the island doing notably well.	Generally healthy with no plant damage noted, and only minor yellowing of needles on two young fir trees observed	Overall site is doing well with only minor animal damage (beaver) noted
<b>Fauna</b>	Bees	Salmon	Salmon, ducks, perching birds, and a bald eagle	Mole, ducks, dead fish, eagle, red-tailed hawk, seagul	Mallard family, and swallows	Ducks, crows, stellar jay, song birds, swallowtail butterflies, snakes and signs of beaver were observed
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken

Table 10  
ESP Site Record

<b>ESP Site Record: Swan Creek</b>				
<b>Observational Categories</b>	<b>8/11/2011 (City)</b>	<b>10/20/11 (CHB)</b>	<b>12/17/11 (CHB)</b>	<b>2/14/12 (City)</b>
<b>Human Impacts</b>	Trash from removal of LRSS remains and has pushed farther onto the site.	Construction occurring on the adjacent property. A bull dozer was pushing debris onto the site. Other minor trash is also present.	Pile of wood and debris from adjacent site is still present	Minor trash, and the pile of debris from the adjacent site is still present
<b>Erosion</b>	None noted	None noted	None noted	None noted
<b>Weeds</b>	Hop vine was found at the north end of the site growing with the morning glory. Policeman's helmet needs to be pulled on the far side of the creek.	Blackberry, reed canary grass and common tansy were noted	No new noted	No new invasive species were observed
<b>Fencing</b>	Both chain and rope that have been placed between the bollards have been taken so the fence requires repair again.	Same as before	No change	No change
<b>Plantings</b>	Maintenance around the plants at the north end is needed in order to evaluate survival. Minor beaver damage was noted. Some drought stress was also identified.	No recent plantings	No recent plantings	No recent plantings
<b>Flora</b>	Willow and alder are starting to establish by Photopoint 1.	Overall the site is doing well. Chicory was noted as volunteering. Oregon grape, snowberry, alder, rose, cottonwood and red-flowering currant were all noted as doing well	Overall site appears healthy. The beaver is still actively working at the site. The Oregon grape continues to thrive, and several young Douglas fir and a young cedar were noted to be doing quite well. There were two madrones with dark and spotty leaves.	Some storm damage was noted, including downed cottonwood limbs and a large clump of alders that is leaning. Other trees down from beaver activity. Oregon grape is budding and Indian plum is almost in bloom. Overall site appears healthy.
<b>Fauna</b>	Beaver, chickadee, cedar waxwing, crow, small avian species and kingfisher	Ducks and recent beaver activity	Ducks and a few live and several dead salmon were observed in the creek	Seagull, beaver, hooded merganser, bufflehead and mallard ducks, and small avian species
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken

# **Attachment 5**

## **Financial Summary**

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$999.77	\$0.00	\$0.00	\$999.77
Reporting and Documentation (-02)	\$2,118.56	\$0.00	\$0.00	\$2,118.56
<b>Sub Total*</b>	<b>\$3,118.33</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$3,118.33</b>
Site Monitoring (-xx-01)	\$1,132.33	\$0.00	\$0.00	\$1,132.33
Site Maintenance (-xx-02)	\$0.00	\$23.00	\$0.00	\$23.00
WCC Crew (\$48.08/hr)	\$1,202.00	\$0.00	\$0.00	\$1,202.00
Adaptive Maintenance (-xx-03)	\$0.00	\$957.19	\$0.00	\$957.19
General Maintenance and Monitoring (-30)	\$0.00	\$0.00	\$0.00	\$0.00
<b>Sub Total</b>	<b>\$2,334.33</b>	<b>\$980.19</b>	<b>\$0.00</b>	<b>\$3,314.52</b>
<b>Grand Total</b>	<b>\$5,452.66</b>	<b>\$980.19</b>	<b>\$0.00</b>	<b>\$6,432.85</b>

Life to 03/31/12

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$16,438.78	\$323.12	\$0.00	\$16,761.90
\$16,281.46	\$0.00	\$0.00	\$16,281.46
<b>\$32,720.24</b>	<b>\$323.12</b>	<b>\$0.00</b>	<b>\$33,043.36</b>
\$9,859.91	\$0.00	\$0.00	\$9,859.91
\$97.19	\$5,921.16	\$0.00	\$6,018.35
\$75,282.20	\$0.00	\$0.00	\$75,282.20
\$9,309.72	\$12,868.02	\$0.00	\$22,177.74
\$1,416.96	\$44,549.46	\$0.00	\$45,966.42
<b>\$95,965.98</b>	<b>\$63,338.64</b>	<b>\$0.00</b>	<b>\$159,304.62</b>
<b>\$128,686.22</b>	<b>\$63,661.76</b>	<b>\$0.00</b>	<b>\$192,347.98</b>

\* 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.

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$999.77	\$0.00	\$0.00	\$999.77

Life to 03/31/12

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$16,438.78	\$323.12	\$0.00	\$16,761.90

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Posting Date	Object	Cost Element	Cost Element Name	Val In US	Emp / Appl Name	Applicant Name
02/29/2012	ENV-00371	5190000	Int-Labor from Proj	438.08		ENV-00371-01
02/29/2012	ENV-00371	5190000	Int-Labor from Proj	296.58		ENV-00371-01
02/29/2012	ENV-00371	5190000	Int-Labor from Proj	1,109.81		ENV-00371-02
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-03
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-01
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	148.29		ENV-00371-01
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	292.05		ENV-00371-02
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	74.15		ENV-00371-03
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-04
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-04
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-05
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-05
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-06
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-06
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-07
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-07
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-08
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-08
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-09
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-09
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-10
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-10
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-12
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-12
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-13
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-13
02/29/2012	ENV-00371	5290000	Int-Mats from Proj	957.19		ENV-00371-03
02/29/2012	ENV-00371	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-20
04/04/2012	ENV-00371	5190000	Int-Labor from Proj	321.26		ENV-00371-02
04/04/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-01
04/04/2012	ENV-00371	5190000	Int-Labor from Proj	395.44		ENV-00371-02
*	ENV-00371			2,347.56		
01/03/2012	ENV-00371-01	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/04/2012	ENV-00371-01	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/12/2012	ENV-00371-01	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/24/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
01/03/2012	ENV-00371-01	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
01/12/2012	ENV-00371-01	5195000	Act-Labor Regular	98.86	Desiree K Pooley	521600/P20930
02/14/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/02/2012	ENV-00371-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
02/07/2012	ENV-00371-01	5195000	Act-Labor Regular	98.86	Desiree K Pooley	521600/P20930
03/01/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
*	ENV-00371-01			999.77		
01/04/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
01/05/2012	ENV-00371-02	5195000	Act-Labor Regular	204.44	Mary L Henley	521600/P20830
01/11/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
01/12/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/13/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
01/17/2012	ENV-00371-02	5195000	Act-Labor Regular	204.44	Mary L Henley	521600/P20830
01/25/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
01/27/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
01/31/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/07/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Reporting and Documentation (-02)	\$2,118.56	\$0.00	\$2,118.56

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$16,281.46	\$0.00	\$16,281.46

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc. Date	Object	Cost Elem	Int'l elem name	Val. in EU	Emp. Appl. Name	Partner at project
02/29/2012	ENV-00371	5190000	Int-Labor from Proj	438.08		ENV-00371-01
02/29/2012	ENV-00371	5190000	Int-Labor from Proj	296.58		ENV-00371-01
02/29/2012	ENV-00371	5190000	Int-Labor from Proj	1,109.81		ENV-00371-02
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-03
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-01
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	148.29		ENV-00371-01
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	292.05		ENV-00371-02
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	74.15		ENV-00371-03
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-04
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-04
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-05
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-05
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-06
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-06
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-07
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-07
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-08
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-08
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-09
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-09
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-10
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-10
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-12
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-12
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-13
03/12/2012	ENV-00371	5190000	Int-Labor from Proj	49.43		ENV-00371-13
02/29/2012	ENV-00371	5290000	Int-Mats from Proj	957.19		ENV-00371-03
02/29/2012	ENV-00371	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-20
04/04/2012	ENV-00371	5190000	Int-Labor from Proj	321.26		ENV-00371-02
04/04/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-01
04/04/2012	ENV-00371	5190000	Int-Labor from Proj	395.44		ENV-00371-02
*	ENV-00371			2,347.56		
01/03/2012	ENV-00371-01	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/04/2012	ENV-00371-01	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/12/2012	ENV-00371-01	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/24/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
01/03/2012	ENV-00371-01	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
01/12/2012	ENV-00371-01	5195000	Act-Labor Regular	98.86	Desiree K Pooley	521600/P20930
02/14/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/02/2012	ENV-00371-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
02/07/2012	ENV-00371-01	5195000	Act-Labor Regular	98.86	Desiree K Pooley	521600/P20930
03/01/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
*	ENV-00371-01			999.77		
01/04/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
01/05/2012	ENV-00371-02	5195000	Act-Labor Regular	204.44	Mary L Henley	521600/P20830
01/11/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
01/12/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
01/13/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
01/17/2012	ENV-00371-02	5195000	Act-Labor Regular	204.44	Mary L Henley	521600/P20830
01/25/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
01/27/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
01/31/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/07/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc. Date	Object	Cost Elem	Int elem name	Val in P	Emp. Appl. Name	Partner of Proj
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-03-01)	\$161.77	\$0.00	\$161.77
Site Maintenance (-03-02)	\$0.00	\$10.00	\$10.00
WCC Crew (\$48.08/hr)	\$240.40	\$0.00	\$240.40
Adaptive Maintenance (-03-03)	\$0.00	\$957.19	\$957.19
Grand Total	\$402.17	\$967.19	\$1,369.36

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$1,214.90	\$0.00	\$1,214.90
\$0.00	\$340.32	\$340.32
\$4,384.68	\$0.00	\$4,384.68
\$287.54	\$1,656.27	\$1,943.81
\$5,887.12	\$1,996.59	\$7,883.71

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc. Date	Object	Cost Elem	Cost Elem Name	Val in M	Emp. Appl Name	Actual Object
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

**Tacoma Hours**

Month: January Year: 2012

Project Name	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	Total
56th Ave																								4	5					5	14	
48th St Blossvale																															0	
Celebration Park												2											1								3	
Service Projects				2					10	10	10	8												5							45	
City Projects																									4	5					8.5	
Ecology Hours																															0	
Esplanade			1																										1		1	
Head of Thea Foss			1																												1	
Hylebos																															0	
Interviews																															0	
Johnny's Dock																															0	
Jordan-Hylebos																2							1								2.5	
Landfill Buffer																															0	
Log Step																															0	
Meet w/CHB																															0	
Middlewaterway City				1																											1	
Middlewaterway Simpson																															0	
Middlewaterway Tideflat																															0	
Mowitch																															0	
North Beach																															0	
Olympic View																															0	
Paperwork/Safety Meeting				1												1								1	1						3.5	
PCD Water Quality																													3	3		
Puyallup River Side Channel																1															1	
Thea Foss log/fence																															0	
Skookum Wuldge																															0	
Squally																															0	
Surface/Storm Water																										6			4	7	16	
Swan Creek			2													1							2								5	
Tahoma Salt Marsh																							1								1	
Titlow Daylight																															0	
Tool Maintenance																6							2						1	1	9	
Visscher Rain Garden																															0	
Yowkwala			2																				3								5.5	
Work with other crew			5	6	10																										21	
Total Hours	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	0	0	0	0	0	0	10	10	10	10	0	0	0	10	10	140

Days schedule off for crew: New Years Holiday; MLK Holiday

Snow Day shut down

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 846773  
Date: 01/03/12  
Time In: 17:22  
Time Out: 17:26  
Turnaround:  
Operator: BH  
Site: LF

Gr: 7360 Tr: 7320 NET: 40  
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: Yowkawlz

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

\$10.00

116960

2011



# PUGET SOUND PLANTS

PO Box 26 • Olympia, WA 98507  
360-943-0480 • 1-866-816-5080 • Fax 360-943-9251

## Invoice

SO#	INV. DATE	INVOICE #
38692	11/11/2011	75943

**Bill To:**  
 City of Tacoma Environmental Services  
 326 East D Street  
 Tacoma WA 98421

**Ship To:**  
 City of Tacoma Environmental Services  
 5420 Marine View Dr  
 Tacoma WA 98422705

PO	TERMS	Driver / Del Time	PROJECT
	C.O.D.	/	Yowkwala

ATTENTION: 253 268 2081 / Jeanine / CALL WHEN CLOSE / LOCATION CODE 2717 9.3% SALES TAX / CORRECTED DEPARTMENT

QTY	DESCRIPTION	GRADE	COST	SUBTOTAL
20	Mahonia aquifolium	#1	3.25	65.00
30	Rosa nutkana	#1	3.25	97.50
20	Gaultheria shallon	#1	3.25	65.00
40	Vaccinium ovatum 'Thunderbird'	#2	10.50	420.00
17	Pinus contorta var. contorta	#1	3.25	55.25
13	Pseudotsuga menziesii	#1	3.25	42.25
30	Fragaria chiloensis	4" pot	1.50	45.00
11	Symphoricarpos albus	#1 12-15"	3.25	35.75

Okay to Pay 1/12/12

Approver: [Signature]  
PO45-304816

Plants Total	\$825.75
Delivery Charge	\$50.00
Sub Total	\$875.75
Sales Tax (9.30%)	\$81.44
<b>Balance Due</b>	<b>\$957.19</b>

ENV-00371-03-03

Plants received in good condition. Signed by \_\_\_\_\_

We guarantee our plants to be healthy and in good condition when they leave the nursery. We strive to maintain a high quality of plant material, but we can not give any warranty, expressed or implied, as to the livability or productivity once the plants leave our nursery. Any shortages or unsatisfactory stock must be reported immediately upon delivery/acceptance. Claims for any cause must be made in writing within 5 days of receipt of goods. Returns are subject to a re-stocking fee of 20%.

PR 10324476 1/13  
PO4500304816 1/17

MIGD 5000457943 1/17

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-04-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-04-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$48.08	\$0.00	\$48.08
Adaptive Maintenance (-04-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$155.92	\$0.00	\$155.92

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$861.28	\$0.00	\$861.28
\$0.00	\$1,208.22	\$1,208.22
\$7,630.14	\$0.00	\$7,630.14
\$7,206.37	\$1,656.88	\$8,863.25
\$15,697.79	\$2,865.10	\$18,562.89

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc. Date	Object	Cost Elem	Cost elem name	Val in D	Emp. Appl Name	Partner Org
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

**Tacoma Hours**

Month:February Year:2012

Project Name	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	Total
56th Ave							8	5					10	10	10	9																52
Celebration Park									2												3											4
Service Projects																																0
City Projects																																0
Ecology Hours					1																1						10	10				21.5
Esplanade								2																								2
Esplanade-Museum									4												4	7										14
Head of Thea Foss																																0
Hylebos																																0
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer								1																								1
Log Step																																0
Metro Parks Tacoma					6																											5.5
Middlewaterway City									1																							0.5
Middlewaterway Simpson																																0
Middlewaterway Tideflat					1																											1
Mowitch																																0
North Beach					2																											1.5
Olympic View						1																										1
Paperwork/Safety Meeting																						1										1
PCD Water Quality	4																															3.5
Puyallup River Side Channel							2	4																								5
Thea Foss log/fence																																0
Skookum Wuldge	1																															1
Squally	2																															1.5
Surface/Storm Water		10																			4	1										14.5
Swan Creek	5																															4.5
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance		1			1	1									1							2										5.5
Urban Forestry																							9			10						19
Yowkwala																																0
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	0	0	0	10	10	10	0	0	159

Days schedule off for crew: President's Day

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-05-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-05-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$96.16	\$0.00	\$96.16
Adaptive Maintenance (-05-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$204.00	\$0.00	\$204.00

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$851.71	\$0.00	\$851.71
\$0.00	\$1,132.15	\$1,132.15
\$3,726.14	\$0.00	\$3,726.14
\$153.42	\$348.34	\$501.76
\$4,731.27	\$1,480.49	\$6,211.76

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc Date	Object	Cost Elem	Inst elem name	Val in R	Empl Appl Name	Partner Object
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

**Tacoma Hours**

Month:February Year:2012

Project Name	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	Total
56th Ave							8	5					10	10	10	9																52
Celebration Park									2												3											4
Service Projects																																0
City Projects																																0
Ecology Hours					1																	1					10	10				21.5
Esplanade								2																								2
Esplanade-Museum									4												4	7										14
Head of Thea Foss																																0
Hylebos																																0
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer									1																							1
Log Step																																0
Metro Parks Tacoma						6																										5.5
Middlewaterway City										1																						0.5
Middlewaterway Simpson																																0
Middlewaterway Tideflat						1																										1
Mowitch																																0
North Beach						2																										1.5
Olympic View							1																									1
Paperwork/Safety Meeting																							1									1
PCD Water Quality	4																															3.5
Puyallup River Side Channel								2	4																							5
Thea Foss log/fence																																0
Skookum Wuldge	1																															0.5
Squally	2																															2.5
Surface/Storm Water		10																			4	1										14.5
Swan Creek	5																															4.5
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance		1				1	1									1						2										5.5
Urban Forestry																							9			10						19
Yowkwala																																0
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	0	0	0	10	10	10	0	0	159

Days schedule off for crew: President's Day

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-06-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-06-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$0.00	\$0.00	\$0.00
Adaptive Maintenance (-06-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$107.84	\$0.00	\$107.84

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$957.80	\$0.00	\$957.80
\$0.00	\$90.88	\$90.88
\$3,557.92	\$0.00	\$3,557.92
\$102.28	\$538.98	\$641.26
\$4,618.00	\$629.86	\$5,247.86

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc. Date	Object	Cost Elem.	Cost elem name	Val. in \$	Empl. Appl. Name	Partner Object
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Ecu & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-07-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-07-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$144.24	\$0.00	\$144.24
Adaptive Maintenance (-07-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$252.08	\$0.00	\$252.08

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$1,621.76	\$0.00	\$1,621.76
\$46.05	\$65.50	\$111.55
\$12,587.08	\$0.00	\$12,587.08
\$951.38	\$630.54	\$1,581.92
\$15,206.27	\$696.04	\$15,902.31

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Doc. Date	Object	Cost Elem	Int. elem name	Val in P	Empl. Appl. Name	Partner object
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

**Tacoma Hours**

Month: January Year: 2012

Project Name	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	Total
56th Ave																								4	5					5	14	
48th St Bioswale																															0	
Celebration Park												2											1								3	
Service Projects				2					10	10	10	8												5							45	
City Projects																								4	5						8.5	
Ecology Hours																															0	
Esplanade			1																										1		1	
Head of Thea Foss			1																												1	
Hylebos																															0	
Interviews																															0	
Johnny's Dock																															0	
Jordan-Hylebos																2							1								<del>3</del>	
Landfill Buffer																															0	
Log Step																															0	
Meet w/CHB																															0	
Middlewaterway City				1																											1	
Middlewaterway Simpson																															0	
Middlewaterway Tideflat																															0	
Mowitch																															0	
North Beach																															0	
Olympic View																															0	
Paperwork/Safety Meeting				1												1							1	1							3.5	
PCD Water Quality																													3		3	
Puyallup River Side Channel																1															1	
Thea Foss log/fence																															0	
Skookum Wuldge																															0	
Squally																															0	
Surface/Storm Water																									6			4	7		16	
Swan Creek			2													1							2								5	
Tahoma Salt Marsh																							1								1	
Titlow Daylight																															0	
Tool Maintenance																6							2						1	1	9	
Visscher Rain Garden																															0	
Yowkwala			2																				3								4.5	
Work with other crew			5	6	10																										21	
Total Hours	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	0	0	0	0	0	0	10	10	10	10	0	0	0	10	10	140

Days schedule off for crew: New Years Holiday; MLK Holiday

Monday shut down

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-08-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-08-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$96.16	\$0.00	\$96.16
Adaptive Maintenance (-08-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$204.00	\$0.00	\$204.00

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$747.69	\$0.00	\$747.69
\$0.00	\$255.92	\$255.92
\$6,870.50	\$0.00	\$6,870.50
\$51.14	\$1,958.36	\$2,009.50
\$7,669.33	\$2,214.28	\$9,883.61

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
01/01/2012 To 03/31/2012

City's standard layout - DO NOT CHANGE  
Environmental Stewardship Proj  
Int-Labor from Proj...

Doc. Date	Object	Cost Elem	Cost Elem Name	Val. to D.	Empl./Appl. Name	Partner Object
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

**Tacoma Hours**

Month: January Year: 2012

Project Name	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	Total
56th Ave																								4	5					5	14	
48th St Bioswale																															0	
Celebration Park												2										1									3	
Service Projects				2					10	10	10	8												5							45	
City Projects																								4	5						8.5	
Ecology Hours																															0	
Esplanade				1																									1		1	
Head of Thea Foss				1																											1	
Hylebos																															0	
Interviews																															0	
Johnny's Dock																															0	
Jordan-Hylebos																2							1								2.5	
Landfill Buffer																															0	
Log Step																															0	
Meet w/CHB																															0	
Middlewaterway City				1																											1	
Middlewaterway Simpson																															0	
Middlewaterway Tideflat																															0	
Mowitch																															0	
North Beach																															0	
Olympic View																															0	
Paperwork/Safety Meeting				1												1							1	1							3.5	
PCD Water Quality																													3		3	
Puyallup River Side Channel																1															1	
Thea Foss log/fence																															0	
Skookum Wuldge																															0	
Squally																															0	
Surface/Storm Water																									6			4	7		16	
Swan Creek				2												1							2								5	
Tahoma Salt Marsh																							1								1	
Titlow Daylight																															0	
Tool Maintenance																6							2						1	1	9	
Visscher Rain Garden																															0	
Yowkwala				2																			3								4.5	
Work with other crew				5	6	10																									21	
Total Hours	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	0	0	0	0	0	0	10	10	10	10	0	0	0	10	10	140

Days schedule off for crew: New Years Holiday; MLK Holiday

shut down

**Tacoma Hours**

Month:February Year:2012

Project Name	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	Total
56th Ave							8	5					10	10	10	9																52
Celebration Park									2												3											4
Service Projects																																0
City Projects																																0
Ecology Hours					1																	1					10	10				21.5
Esplanade								2																								2
Esplanade-Museum									4												4	7										14
Head of Thea Foss																																0
Hylebos																																0
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer								1																								1
Log Step																																0
Metro Parks Tacoma						6																										5.5
Middlewaterway City									1																							<del>1</del> 0.5
Middlewaterway Simpson																																0
Middlewaterway Tideflat						1																										1
Mowitch																																0
North Beach						2																										1.5
Olympic View							1																									1
Paperwork/Safety Meeting																							1									1
PCD Water Quality	4																															3.5
Puyallup River Side Channel								2	4																							5
Thea Foss log/fence																																0
Skookum Wuldge	1																															0.5
Squally	2																															1.5
Surface/Storm Water		10																			4	1										14.5
Swan Creek	5																															4.5
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance		1				1	1									1						2										5.5
Urban Forestry																							9				10					19
Yowkwala																																0
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	0	0	0	10	10	10	0	0	159

Days schedule off for crew: President's Day

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

01/01/12 through 03/31/12

Life to 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-09-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-09-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$0.00	\$0.00	\$0.00
Adaptive Maintenance (-09-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$107.84	\$0.00	\$107.84

Personnel Service	Supplies & Service	Grand Total
\$844.34	\$0.00	\$844.34
\$0.00	\$930.48	\$930.48
\$1,598.57	\$0.00	\$1,598.57
\$51.14	\$2,265.91	\$2,317.05
\$2,494.05	\$3,196.39	\$5,690.44

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Doc. Date	Project	Cost Elem	Cost Element Name	Val in \$	Dept Appl Name	Partner Proj
02/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/23/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
03/07/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
03/14/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
03/22/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
03/06/2012	ENV-00371-02	5195000	Act-Labor Regular	197.72	Desiree K Pooley	521600/P20930
*	ENV-00371-02			2,118.56		
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
03/12/2012	ENV-00371-03	5190000	Int-Labor from Proj	74.15		ENV-00371-03-01
02/29/2012	ENV-00371-03	5290000	Int-Mats from Proj	957.19		ENV-00371-03-03
*	ENV-00371-03			1,118.96		
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-03-01	5195000	Act-Labor Regular	74.15	Desiree K Pooley	521600/P20930
*	ENV-00371-03-01			161.77		
01/17/2012	ENV-00371-03-03	5210500	Landscape Equ & Sup	957.19		
*	ENV-00371-03-03			957.19		
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
03/12/2012	ENV-00371-04	5190000	Int-Labor from Proj	49.43		ENV-00371-04-01
*	ENV-00371-04			107.84		
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-04-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-04-01			107.84		
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
03/12/2012	ENV-00371-05	5190000	Int-Labor from Proj	49.43		ENV-00371-05-01
*	ENV-00371-05			107.84		
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-05-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-05-01			107.84		
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	58.41		ENV-00371-06-01
03/12/2012	ENV-00371-06	5190000	Int-Labor from Proj	49.43		ENV-00371-06-01
*	ENV-00371-06			107.84		
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-06-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-06-01			107.84		
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	58.41		ENV-00371-07-01
03/12/2012	ENV-00371-07	5190000	Int-Labor from Proj	49.43		ENV-00371-07-01
*	ENV-00371-07			107.84		
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/15/2012	ENV-00371-07-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-07-01			107.84		
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
03/12/2012	ENV-00371-08	5190000	Int-Labor from Proj	49.43		ENV-00371-08-01
*	ENV-00371-08			107.84		
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-08-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-08-01			107.84		
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
03/12/2012	ENV-00371-09	5190000	Int-Labor from Proj	49.43		ENV-00371-09-01
*	ENV-00371-09			107.84		
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-09-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-09-01			107.84		

Olympic View / OVRA Triangle Summary - ENV-00371 - Environmental Stewardship Project (ESP)

01/01/12 through 03/31/12

Life to 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-10-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-10-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$48.08	\$0.00	\$48.08
Adaptive Maintenance (-10-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$155.92	\$0.00	\$155.92

Personnel Service	Supplies & Service	Grand Total
\$852.34	\$0.00	\$852.34
\$0.00	\$183.04	\$183.04
\$5,365.68	\$0.00	\$5,365.68
\$250.75	\$515.58	\$766.33
\$6,468.77	\$698.62	\$7,167.39

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Doc. Date	Object	Cost Elem	Cost elem name	Val. in \$	EMPL / Appl Name	Partner object
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	58.41		ENV-00371-10-01
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	49.43		ENV-00371-10-01
*	ENV-00371-10			107.84		
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-10-01			107.84		
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	58.41		ENV-00371-12-01
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	49.43		ENV-00371-12-01
*	ENV-00371-12			107.84		
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-12-01			107.84		
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	58.41		ENV-00371-13-01
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	49.43		ENV-00371-13-01
*	ENV-00371-13			107.84		
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-13-01			107.84		
02/29/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41-		ENV-00371-30-01
*	ENV-00371-20			7,555.41-		
01/25/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41-		
*	ENV-00371-30-01			7,555.41-		
**				10,161.01-		

**Tacoma Hours**  
 Month:February Year:2012

Project Name	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	Total
56th Ave							8	5					10	10	10	9																52
Celebration Park									2												3											4
Service Projects																																0
City Projects																																0
Ecology Hours					1																	1					10	10				21.5
Esplanade								2																								2
Esplanade-Museum									4												4	7										14
Head of Thea Foss																																0
Hylebos																																0
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer									1																							1
Log Step																																0
Metro Parks Tacoma						6																										5.5
Middlewaterway City										1																						0.5
Middlewaterway Simpson																																0
Middlewaterway Tideflat						1																										1
Mowitch																																0
North Beach						2																										1.5
Olympic View							1																									1
Paperwork/Safety Meeting																							1									1
PCD Water Quality	4																															3.5
Puyallup River Side Channel								2	4																							5
Thea Foss log/fence																																0
Skookum Wuldge	1																															0.5
Squally	2																															1.5
Surface/Storm Water		10																			4	1										14.5
Swan Creek	5																															4.5
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance		1				1	1									1							2									5.5
Urban Forestry																							9				10					19
Yowkwala																																0
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	0	0	0	10	10	10	0	0	159

Days schedule off for crew: President's Day

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-12-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-12-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$48.08	\$0.00	\$48.08
Adaptive Maintenance (-12-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$155.92	\$0.00	\$155.92

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$823.59	\$0.00	\$823.59
\$0.00	\$308.32	\$308.32
\$4,002.57	\$0.00	\$4,002.57
\$0.00	\$986.56	\$986.56
\$4,826.16	\$1,294.88	\$6,121.04

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Doc. Date	Object	Cost Elem	Cost elem name	Val. in BU	Empl / Appl Name	Further object
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	58.41		ENV-00371-10-01
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	49.43		ENV-00371-10-01
*	ENV-00371-10			107.84		
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-10-01			107.84		
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	58.41		ENV-00371-12-01
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	49.43		ENV-00371-12-01
*	ENV-00371-12			107.84		
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-12-01			107.84		
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	58.41		ENV-00371-13-01
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	49.43		ENV-00371-13-01
*	ENV-00371-13			107.84		
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-13-01			107.84		
02/29/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41-		ENV-00371-30-01
*	ENV-00371-20			7,555.41-		
01/25/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41-		
*	ENV-00371-30-01			7,555.41-		
**				<b>10,161.01-</b>		

**Tacoma Hours**

Month: January Year: 2012

Project Name	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	Total	
56th Ave																								4	5					5	14		
48th St Bioswale																															0		
Celebration Park												2											1								3		
Service Projects				2					10	10	10	8												5							45		
City Projects																								4	5						8.5		
Ecology Hours																															0		
Esplanade			1																										1	1			
Head of Thea Foss			1																												1		
Hylebos																															0		
Interviews																															0		
Johnny's Dock																															0		
Jordan-Hylebos															2								1								2.5		
Landfill Buffer																															0		
Log Step																															0		
Meet w/CHB																															0		
Middlewaterway City				1																											1		
Middlewaterway Simpson																															0		
Middlewaterway Tideflat																															0		
Mowitch																															0		
North Beach																															0		
Olympic View																															0		
Paperwork/Safety Meeting				1												1								1	1						3.5		
PCD Water Quality																													3	3			
Puyallup River Side Channel																1															1		
Thea Foss log/fence																															0		
Skookum Wuldge																															0		
Squally																															0		
Surface/Storm Water																									6			4	7	16			
Swan Creek			2												1								2								5		
Tahoma Salt Marsh																							1								1		
Titlow Daylight																															0		
Tool Maintenance															6								2						1	1	9		
Visscher Rain Garden																															0		
Yowkwala			2																				3								4.5		
Work with other crew			5	6	10																										21		
Total Hours	0	0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	0	0	0	0	0	0	10	10	10	10	0	0	0	10	10	140

Days schedule off for crew: New Years Holiday; MLK Holiday

Days shut down

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

01/01/12 through 03/31/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-13-01)	\$107.84	\$0.00	\$107.84
Site Maintenance (-13-02)	\$0.00	\$13.00	\$13.00
WCC Crew (\$48.08/hr)	\$480.80	\$0.00	\$480.80
Adaptive Maintenance (-13-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$588.64	\$13.00	\$601.64

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$1,084.47	\$0.00	\$1,084.47
\$51.14	\$1,406.33	\$1,457.47
\$25,558.92	\$0.00	\$25,558.92
\$255.70	\$2,310.60	\$2,566.30
\$26,950.23	\$3,716.93	\$30,667.16

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Doc. Date	Object	Cost Elem	Cost elem name	Val. in Pr	Empl /Appl Name	Partner Object
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	58.41		ENV-00371-10-01
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	49.43		ENV-00371-10-01
*	ENV-00371-10			107.84		
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-10-01			107.84		
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	58.41		ENV-00371-12-01
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	49.43		ENV-00371-12-01
*	ENV-00371-12			107.84		
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-12-01			107.84		
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	58.41		ENV-00371-13-01
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	49.43		ENV-00371-13-01
*	ENV-00371-13			107.84		
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
*	ENV-00371-13-01			107.84		
02/29/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41-		ENV-00371-30-01
*	ENV-00371-20			7,555.41-		
01/25/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41-		
*	ENV-00371-30-01			7,555.41-		
**				10,161.01-		

Tacoma Hours

Month: January Year: 2012

Project Name	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	Total
56th Ave																							4	5					5		14	
48th St Bioswale																															0	
Celebration Park												2										1									3	
Service Projects				2					10	10	10	8												5							45	
City Projects																								4	5						8.5	
Ecology Hours																															0	
Esplanade			1																									1			1	
Head of Thea Foss			1																												1	
Hylebos																															0	
Interviews																															0	
Johnny's Dock																															0	
Jordan-Hylebos																2							1								2.5	
Landfill Buffer																															0	
Log Step																															0	
Meet w/CHB																															0	
Middlewaterway City				1																											1	
Middlewaterway Simpson																															0	
Middlewaterway Tideflat																															0	
Mowitch																															0	
North Beach																															0	
Olympic View																															0	
Paperwork/Safety Meeting				1												1								1	1						3.5	
PCD Water Quality																													3		3	
Puyallup River Side Channel																1															1	
Thea Foss log/fence																															0	
Skookum Wuldge																															0	
Squally																															0	
Surface/Storm Water																									6			4	7		16	
Swan Creek			2													1							2								5	
Tahoma Salt Marsh																							1								1	
Titlow Daylight																															0	
Tool Maintenance																6							2					1	1		9	
Visscher Rain Garden																															0	
Yowkwala			2																				3								4.5	
Work with other crew			5	6	10																										21	
Total Hours	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	0	0	0	0	0	0	10	10	10	10	0	0	0	10	10	140

Days schedule off for crew: New Years Holiday; MLK Holiday

January 18th shut down

**Tacoma Hours**  
 Month:February Year:2012

Project Name	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	Total
56th Ave							8	5					10	10	10	9																52
Celebration Park									2													3										4
Service Projects																																0
City Projects																																0
Ecology Hours					1																	1					10	10				21.5
Esplanade								2																								2
Esplanade-Museum									4													4	7									14
Head of Thea Foss																																0
Hylebos																																0
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer								1																								1
Log Step																																0
Metro Parks Tacoma					6																											5.5
Middlewaterway City									1																							0.5
Middlewaterway Simpson																																0
Middlewaterway Tidelflat					1																											1
Mowitch																																0
North Beach					2																											1.5
Olympic View						1																										1
Paperwork/Safety Meeting																							1									1
PCD Water Quality	4																															3.5
Puyallup River Side Channel							2	4																								5
Thea Foss log/fence																																0
Skookum Wuldge	1																															0.5
Squally	2																															1.5
Surface/Storm Water		10																			4	1										14.5
Swan Creek	5																															5
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance		1				1	1									1							2									5.5
Urban Forestry																							9				10					19
Yowkwala																																0
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	0	0	0	10	10	10	0	0	159

Days schedule off for crew: President's Day

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 858681  
Date: 02/01/12  
Time In: 17:11  
Time Out: 17:19  
Turnaround: 8  
Operator: TG  
Site: LF

Gr: 7600 Tr: 7420 NET: 180  
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: Swan creek

\$ 13.00

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

01/01/12 through 03/31/12

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

Life to 03/31/12

Personnel Service	Supplies & Service	Grand Total
\$1,416.96	\$44,549.46	\$45,966.42

Layout /SAPI City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 01/01/2012 To 03/31/2012

Doc Date	Object	Cost Elem	Cost elem name	Val. in \$	Anal./Appl Name	Project Object
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	58.41		ENV-00371-10-01
03/12/2012	ENV-00371-10	5190000	Int-Labor from Proj	49.43		ENV-00371-10-01
* 02/14/2012	ENV-00371-10			107.84		
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-10-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
* 03/12/2012	ENV-00371-10-01			107.84		
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	58.41		ENV-00371-12-01
03/12/2012	ENV-00371-12	5190000	Int-Labor from Proj	49.43		ENV-00371-12-01
* 02/14/2012	ENV-00371-12			107.84		
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-12-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
* 03/12/2012	ENV-00371-12-01			107.84		
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	58.41		ENV-00371-13-01
03/12/2012	ENV-00371-13	5190000	Int-Labor from Proj	49.43		ENV-00371-13-01
* 02/14/2012	ENV-00371-13			107.84		
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
02/14/2012	ENV-00371-13-01	5195000	Act-Labor Regular	49.43	Desiree K Pooley	521600/P20930
* 02/29/2012	ENV-00371-13-01			107.84		
02/29/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41-		ENV-00371-30-01
* 01/25/2012	ENV-00371-20			7,555.41-		
01/25/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41-	*CHB \$0.00	
* 01/25/2012	ENV-00371-30-01			7,555.41-		
**				10,161.01-		

\* Invoice 004-2011 was processed in December 2011 and included with the Y4Q1 quarterly report. There was no payment made to CHB in Y4Q2.