



# ENVIRONMENTAL STEWARDSHIP PROJECT

## YEAR 4 FIRST QUARTER REPORT

JANUARY 31, 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 October 1, 2011 through December 31, 2011, 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 approved 2011 Task List and the proposed 2012 Task List which show tasks that are on-going and tasks that are not yet started that will be implemented in 2012 pending Trustee approval. In addition, two new sites proposed for inclusion under the ESP are identified on this list.

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

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

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

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. An annual work plan for 2011 for CHB was drafted based on the City’s approved 2011 Task List, and the City is currently working with CHB to finalize their 2012 Work Plan based upon the City’s proposed 2012 Task List. Copies of both the 2011 and proposed 2012 Work Plans are 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.

Bi-monthly site visits took place on October 25 and December 9, with both inspections performed by CHB. Photo documentation was not required during this reporting period. In addition, CHB conducted a volunteer planting event on November 12. Nineteen volunteers and an EarthCorps crew worked with CHB staff to plant approximately 180 trees and shrubs mid-site and along the trail head.

Overall the site appears healthy throughout, with normal winter die-back. Previous plantings near the marina end of the site are doing well and established plants are continuing to thrive. 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. Trash and invasive species removal continue to be the primary concerns at this site. Bi-monthly monitoring data are summarized in the Site Record (see Table 1 in Attachment 3).

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

- November 9 – The WCC deconstructed existing GED and performed an invasive and garbage sweep.
- November 12 – CHB conducted a volunteer planting event.
- November 15 – The WCC tore down the party house and continued the invasive and 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a volunteer shoreline cleanup event on January 16, in the area extending from the Yowkwala site to the Squally Beach site, and an invasive removal event on March 24.

## 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.

Bi-monthly site visits took place on October 15 and December 9, with both inspections performed by CHB. Photo documentation was not required during this reporting period. CHB conducted a volunteer planting event at the site on October 15. Volunteers and an EarthCorps crew helped plant 426 plants on the south uplands and the lower backshore area, including trees, shrubs and emergent plants. In addition, the WCC spread grass seed on the newly planted/mulched area and also planted 30 coastal strawberry plants.

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 surviving, with the tufted hairgrass and salt grass doing notably well. Bi-monthly monitoring data are summarized in the Site Record (see Table 2 in Attachment 3).

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

- October 5 – The WCC performed an invasive sweep.
- October 12 and 13 – The WCC removed ivy and placed jute mat on the south uplands in preparation for the volunteer planting event.
- October 15 – CHB conducted a volunteer planting event on the south uplands.
- October 24 – The WCC placed mulch on the newly planted area.
- October 26 – The WCC removed additional ivy from the toe of the slope.
- November 2 – The WCC spread grass seed on the newly planted/mulched slope and planted 30 additional plants.
- December 5 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a volunteer shoreline cleanup event including this area on January 16.

## 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.

Bi-monthly site visits took place on October 25 and December 9, with both inspections performed by CHB. Photo documentation was not required during this reporting period. Removal of invasive species remains the primary concern at the site, in particular knotweed control on the adjacent site to the northwest, and ongoing monitoring for cordgrass (*Spartina angelica*) in the marsh area. The cordgrass is primarily monitored and removed by the Washington Department of Agriculture *Spartina* team.

Overall, the established vegetation on the site is doing very well with normal winter die-back. The knotweed is continuing to grow and spread near the west woods. Plants that were injected have died, but some of the smaller plants are still growing under the canopy of the trees. The presence of knotweed has impacted the survival of the recent plantings in the area.

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 3).

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

- November 16 and 17 – The WCC grubbed blackberry at the site.
- December 12 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, CHB is planning a volunteer shoreline cleanup event including this area on January 16, and an invasive removal event on March 6.

## 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.

Bi-monthly site visits took place on October 25 and December 17, with both inspections performed by CHB. Photo documentation was not required during this reporting period. 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. Bi-monthly monitoring data are summarized in the Site Record (see Table 4 in Attachment 3).

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

- December 15 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

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

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

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

Bi-monthly site visits took place on October 27 and December 17, with both inspections performed by CHB. Photo documentation was not required during this reporting period. Invasive species removal and vandalism continue to be the primary concerns at this site.

No additional human impacts were identified during this reporting period. The WCC performed invasive and trash removal at the site and also transplanted native plants out of the mower turn-around area. CHB conducted a volunteer planting event at the site on November 5. Four volunteers and an EarthCorps crew worked with CHB staff to plant 98 trees and shrubs and placed mulch rings around the plants. In addition, EarthCorps completed the plantings in front

of Viewing Platforms 2 and 3 as agreed with Trustee representatives to resolve the issue related to alder cutting at the site.

Overall, the site appears to be in very good condition with normal winter die-back. Invasive species removal is the primary ongoing issue for follow-up. Bi-monthly monitoring data are summarized in the Site Record (see Table 5 in Attachment 3).

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

- October 4 – The WCC performed an invasive sweep.
- October 11 – The WCC performed a garbage sweep.
- November 14 – The WCC brushcut blackberries at the south end of the trail.
- November 22 – The WCC performed invasive removal.
- November 30 – The WCC transplanted native plants out of the mower turnaround area.
- December 15 – The WCC performed invasive removal.

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

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

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

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

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

Bi-monthly site visits took place on October 27 and December 13, with both inspections performed by CHB. Photo documentation was not required during this reporting period. 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.

Recent plantings in the marsh are showing good survival while those in the riparian area have had lesser success. The WCC continued to perform invasive and trash removal at the site. In addition, the crew mulched the trees along 11<sup>th</sup> Street and transplanted a large shore pine. Bi-monthly monitoring data are summarized in the Site Record (see Table 6 in Attachment 3).

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

- October 3, 4 and 6 – The WCC performed an invasive sweep with a focus on white sweet clover.
- October 25 – The WCC continued the invasive sweep.
- October 26 – The WCC continued removal of white sweet clover.
- November 2 – The WCC mulched trees along 11<sup>th</sup> Street and transplanted a large shore pine.
- November 21 – The WCC performed an invasive sweep.
- December 6 and 14 – The WCC continued with invasive removal 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 bi-annual monitoring by the City, and ongoing invasive species and garbage removal by the WCC.

## **2.7 Middle Waterway, Simpson**

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

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

Bi-monthly site visits took place on October 27 and December 13, with both inspections performed by CHB. Photo documentation was not required during this reporting period. Invasive removal is the primary concern at the site. Overall the site is well established and appears generally healthy with normal winter die-back.

Recent plantings are generally doing well with some animal damage noted and only the evergreen huckleberry potentially not showing good success. A few trees were noted as showing some stress. 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 3).

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

- November 2 – The WCC performed an invasive sweep.
- November 28 – The WCC performed an invasive and trash sweep.
- December 6 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

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

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

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

Bi-monthly site visits took place on October 27 and December 3, with both inspections performed by CHB. Photo documentation was not required during this reporting period. 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. 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. Ongoing erosion was noted as continuing to progress on the north, bay side of the triangle area in front of the rip rap slope, as well as at the mouth and near Photopoint 6. The additional erosion during the monitoring period has exposed the roots of some of the willows. CHB conducted a volunteer planting event at the site on December 3. Thirteen volunteers and an EarthCorps crew worked with CHB staff to plant approximately 200 shrubs and placed mulch rings around the new plants. Goose exclusion fencing was also installed in the new planting area in an attempt to deter rabbit herbivory. In addition, 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 3).

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

- October 11 – The WCC removed invasive species from the site with a focus on mustard, tansy and pepperweed.
- October 26 – The WCC removed invasive species from the parking area.
- November 14 and 22 – The WCC performed an invasive sweep.
- November 29 – The WCC removed St. John's wort outside of the gate.
- December 1 – The WCC staked up the cottonwood trees and pulled St. John's wort.
- December 3 – CHB conducted a volunteer planting event.
- December 21 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## **2.9 Tahoma Salt Marsh**

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

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

Bi-monthly site visits took place on October 20 and December 9, with both inspections performed by CHB. Photo documentation was not required during this reporting period. 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 southeast end of the marsh which was planted in April 2011 is showing moderate success. Some of the goose exclusion fencing is falling down and can be removed. 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 3).

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

- October 4 – The WCC performed an invasive sweep.
- October 26 – The WCC performed an invasive and garbage sweep.
- November 17 – The WCC performed an invasive sweep.
- December 14 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC.

## 2.10 Swan Creek

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

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

Bi-monthly site visits took place on October 20 and December 17, with both inspections performed by CHB. Photo documentation was not required during this reporting period. Generally the site appears healthy and well established with normal winter die-back. 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 3).

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

- October 3 – The WCC grubbed blackberry and performed a hemlock sweep. In addition, a locust tree was removed from the island.
- October 5, 6 and 12 – The WCC grubbed blackberry along the roadside at the north end of the site.
- November 2 – The WCC performed an invasive sweep.
- November 7 – The WCC grubbed blackberry along the roadside.
- November 15, 22, 28, 29 and 30 – The WCC pulled ivy in the understory at the north end of the site.
- November 29 – The WCC performed an invasive sweep on the island.
- December 12 – The WCC performed invasive removal at the south end of the site.
- December 14 – The WCC performed an invasive 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 bi-annual monitoring by the City, and ongoing invasive species removal and garbage pickup by the WCC. In addition, 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	9	14	1	76
Skookum Wulge	22	12	1	20
Squally Beach	6	2	--	--
Mowitch	3	1	--	--
Jordan/Lower Hylebos Marsh	23	12	1	20
Middle Waterway – City	19	1	--	--
Middle Waterway – Simpson	3	1	--	--
Olympic View	16	13	1	65
Tahoma Salt Marsh	7	1	--	--
Swan Creek	47	1	--	--

## 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 also conducted volunteer events at Skookum Wulge on October 15, with 4 volunteers performing planting; at Jordan on November 5, with 4 volunteers performing planting; at Yowkwala on November 12, with 19 volunteers performing planting; and at Olympic View on December 3, with 13 volunteers performing planting. Volunteer events at the sites are conducted approximately once a month throughout the year.

In addition, CHB staff provided a steward training opportunity and took participants from the Seabury School on a tour of the Middle Waterway sites. CHB staff also began recruitment and coordination of the MLK Day volunteer event to take place in January.

## 4.0 Financial Summary

Financial information documenting the City's costs for each task performed October 1, 2011 through December 31, 2011 is provided in Attachment 4. The work performed at each site is summarized in Section 2.0. As documented in Attachment 4, the City incurred the following costs during this time period:

Task 1	Project Management	\$1,057.40
Task 2	Reporting and Documentation	\$1,627.93
Task 3	Site Monitoring	\$86.28
Task 4	Site Maintenance*	\$7,603.40
Task 5	Adaptive Management	\$2,646.84
	General Maintenance and Monitoring**	<u>\$10,648.51</u>
Year 4, Quarter 1 Total		\$23,670.36
Life-to-Date (12/31/11) Total		\$185,915.13

\* Based on 2011 WCC crew rate of \$48.08/hr

\*\*CHB invoice for previous reporting period as well as this reporting period, paid during this reporting period

# **Attachment 1**

## **2011 Task List and Proposed 2012 Task List**

2011 Environmental Stewardship Project Task List  
September 2010 - Proposed  
July 2011 - Updated/Approved

Site	Category	Zone	Task Description	Priority	Timing
				1,2,3	Spr, S, F, W
Yowkwala	Invasive Species	Beach/Backshore	Control Pepperweed population	1	Spr, S, F, W
Yowkwala	Invasive Species	Beach/Backshore	Remove invasive species per Trustee direction. Suggested species include: butterfly bush, blackberry, pampas grass, Scott's broom.	1	Ongoing
Yowkwala	Human Impacts	Hillslope	Regrade, mulch and plant social trail from treeline down to beach.	2	F (2011)
Yowkwala	Supplemental Planting	Backshore	Continue invasive removal in burned area. Create overall planting plan for entire area.	2	F (2011)
Yowkwala	Supplemental Planting	Backshore	Increase plant diversity of backshore areas	2	F (2010)
Yowkwala	Supplemental Planting	Backshore	Remove invasives and replant burned area. Effort has begun.	3	Any
Yowkwala	Human Impacts	Beach/Backshore	Dismantle/Remove beach "party" house	2	
Skookum Wulge	Invasive Species	Backshore	Control Pepperweed population	1	Spr, S
Skookum Wulge	Invasive Species	Uplands	Remove additional invasive species as directed at the South end of site. Species present include blackberry, knotweed, nightshade, morning glory, and ivy.	1	S (2011)
Skookum Wulge	Supplemental Planting	Uplands	Place topsoil as needed following invasive removal on South end of site and prior to planting.	1	S (2011)
Skookum Wulge	Supplemental Planting	Uplands	Provide erosion control, and replant with native species on the South end of site. Possible use of dri-water for irrigation.	1	S (2011)
Skookum Wulge	Fencing	Uplands	Place perimeter fencing (chain and bollard) following replanting of upland areas to help prevent dumping.	1	F, W
Skookum Wulge	Supplemental Planting	Backshore Embayment (South end)	Enhance beach plant community. During recent clearing work in the south area a small potential marsh area was uncovered. Propose to establish as high salt marsh habitat.	3	F (2011)
Skookum Wulge	Erosion	Beach/Uplands	Create conceptual design and estimate for placement of LWD on beach in front of erosional areas	2	S
Squally Beach	Invasive Species	Marsh/Islands	Control Pepperweed population	1	Spr, S
Squally Beach	Invasive Species	Woods/Alder Grove	Remove additional invasive species per Trustee direction. Suggested species include: knotweed and blackberry.	1	Ongoing
Squally Beach	Human Impacts	Marsh	Cut and remove exposed fish netting to the extent it will not damage plants during removal.	3	Ongoing
Squally Beach	Invasive Species	West Woods/Tribal Property	Inject knotweed population to the west to control encroachment onto site (phased approach over time)	1	S (2011)
Squally Beach	Supplemental Planting	Woods/Alder Grove	Enhance riparian area with additional tree/shrub planting	3	F
Squally Beach	Fencing/Erosion	Islands/Beach	Repair 30 feet of wood debris exclusion fencing at mouth of the west marsh.	2	F
Squally Beach	Supplemental Planting	Islands	Plant islands with high marsh species	3	Spr
Mowitch	Invasive Species	Riparian F1-F7	Control Pepperweed population	1	Spr, S
Mowitch	Invasive Species	Riparian F1-F7	Remove additional invasive species per Trustee direction. Suggested species include: blackberry and phragmites.	1	Ongoing
Mowitch	Human Impacts	Marsh	Cut and remove exposed fish netting to the extent it will not damage plants during removal.	3	Ongoing
Mowitch	Invasive Species/Plant Vigor	Riparian F1-F7	Weed and spot mulch around native plants in the riparian area	2	F (2010)
Mowitch	Fencing	Riparian F1-F7/Marsh	Remove goose exclusion fencing where plant establishment has been successful. Repair as needed in areas where it is to be left in place.	2	Ongoing
Mowitch	Supplemental Planting	Riparian F1-F7	Enhance riparian area by planting both native shrubs and canopy species	2	F (2010)
Mowitch	Supplemental Planting	Marsh	Expand planting areas on the islands with the successful salt marsh species	2	Spr (2011)
Mowitch	Fencing	Riparian F-1	Install gate to property	3	Any
Jordan	Invasive Species	Marsh	Control purple loosestrife population	1	S
Jordan	Invasive Species	Riparian	Continue to keep blackberry at bay to the east of restored area (i.e. on side of trail away from creek)	1	W, Spr
Jordan	Invasive Species	Marsh/Uplands	Remove additional invasive species per Trustee direction. Suggested species include: reed canary grass, purple loosestrife and blackberry.	1	Ongoing
Jordan	Supplemental Planting	Riparian	Plant on the east side of the trail in the flat area located in between platform 1 and 2.	1	F (2011)
Jordan	Supplemental Planting	Riparian	Work with Trustees to create and implement solutions in areas affected by alder thinning actions.	1	Spr (2011)
Jordan	Plant Vigor	Uplands	Thinning of alder. (Criteria proposed - clearing of alder in a 3 foot radius around planted native species, thinning the limbs).	1	Spr, S
Middle Waterway - Simpson	Invasive Species	Uplands	Remove invasive species per Trustee direction. Suggested species include: blackberry.	1	Ongoing
Middle Waterway - Simpson	Mulch	North Bank/SouthBank	Mulch riparian area around new plantings.	2	F (2010)
Middle Waterway - Simpson	Supplemental Planting	North Bank/SouthBank	Enhance riparian area with shrubs, ground cover and trees	2	F (2010)
Middle Waterway - Simpson	Fencing/Supplemental Planting	Sandspurry Beach	Extend goose exclusion and plant new salt marsh areas	2	Spr

2011 Environmental Stewardship Project Task List  
September 2010 - Proposed  
July 2011 - Updated/Approved

Site	Category	Zone	Task Description	Priority	Timing
				1,2,3	Spr, S, F, W
Middle Waterway - City	Invasive Species	Riparian	Remove invasive species per Trustee direction. Suggested species include: white sweet clover, butterfly bush, pampas grass, nightshade, blackberry, reed canary grass, and spotted knapweed.	1	Ongoing
Middle Waterway - City	Access	Riparian	Continue to maintain access points	3	Ongoing
Middle Waterway - City	Supplemental Planting	Riparian/Upper Marsh	Enhance riparian areas with conifers along East F St. and along the back side of the substation	1	F
Middle Waterway - City	Plant Vigor	Riparian	Maintain trail to sign	3	Spr
Middle Waterway - City	Aesthetics/Access	Riparian	Cut vegetation back 3-6 feet from sidewalks on East 11th St.	3	Spr
Olympic View - City/DNR	Invasive Species	Riparian/Beach	Control Pepperweed population	1	Spr, S
Olympic View - City/DNR	Invasive Species	Riparian/Beach/Triangle perimeter	Remove additional invasive species per Trustee direction. Suggested species include: tansy ragwort, nightshade, blackberry, and white sweet clover.	1	Ongoing
Olympic View - City/DNR	Erosion	Beach/Marsh	Monitor sedimentation/erosion in salt marsh and beach shift	2	S, W
Olympic View - City/DNR	Plant Vigor	Riparian/Triangle	Thin out cottonwood. Possibly transplant to front of Capital warehouse walkway	1	F
Olympic View - City/DNR	Supplemental Planting	Riparian	Add to riparian species diversity and area. Trustees to work with DNR on responsibility.	2	Spr (2011)
Olympic View - City/DNR	Supplemental Planting?	Beach/Marsh	Needs additional salt marsh plantings based on observed survivability. Trustees to work with DNR on responsibility.	1	Spr (2011)
Tahoma Salt Marsh	Invasive Species	Marsh	Control Pepperweed population	1	Spr, S
Tahoma Salt Marsh	Invasive Species	Riparian	Remove additional invasive species per Trustee direction. Suggested species include tansy ragwort, nightshade, blackberry, and thistle.	1	Ongoing
Tahoma Salt Marsh	Large Woody Debris	Marsh	Re-anchor large woody debris in place	1	F
Tahoma Salt Marsh	Trash	Marsh	Remove wood (plywood with nails)	1	F
Tahoma Salt Marsh	Plant Vigor	Riparian	Pull grass away from plants	1	F
Tahoma Salt Marsh	Supplemental Planting	Marsh	Plant bare salt marsh area at the south end near the outfall	1	Spr (2011)
Swan Creek	Invasive Species	Riparian/East and West Bank	Remove invasive species as directed. Species present include Scotch broom, morning glory, blackberry, reed canary grass, knotweed	1	Ongoing
Swan Creek	Fencing	Riparian	Chain and bollard fence at north end needs to be replaced to prevent dumping	2	F, Spr
Swan Creek	Supplemental Planting	Riparian	Additional plants needed on roadside slope where invasives have been cleared	2	F, Spr
Swan Creek	Fencing	Riparian	Fencing needs to be replaced/repared defining the boundary between Lil Red Smokeshack property and restoration property once site is cleaned up by tribal efforts. Tribe to replace as part of re-development?	1	Any
All Sites	General		Cover rebar tops with caps	1	Ongoing
All Sites	General		Re-establish photopoint monitoring locations as needed with GPS	1	Ongoing
All Sites	General		Garbage pickup (in accordance with SOW)	1	Ongoing
All Sites	General		Locate marsh stock suppliers	2	Ongoing
All Sites	General		Clean signs as needed	2	Ongoing
All Sites	General		Hire photographer to take photos at all sites. Included in NRDA IKS proposal.	1	Late Spr/S
All Sites	General		Create brochure for public distribution with directions and descriptions of NRDA Commencement Bay restoration. Included in NRDA IKS proposal.	1	S (2011)
<b>Color Legend:</b>					
Ongoing					
Planned					
Completed					
Proposed, New (2011)					
Deleted from Scope					
Not Begun					

**Environmental Stewardship Project  
2012 Task List (Proposed)**

Site	Category	Zone	Task Description	Priority 1,2,3	Timing Spr, S, F, W
<b>YOWKWALA</b>					
Yowkwala	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, butterfly bush, pampas grass, pepperweed) as directed by the Trustees.	1	On-going
Yowkwala	Supplemental Planting	Backshore	Evaluate/estimate the need/cost for mass invasive species removal with planting of native species	2	Spr
Yowkwala	Habitat Improvement/Safety	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 and salvage plants as needed.	1	On-going
Skookum Wulge	Supplemental Planting	All Riparian	Evaluate for and propose if needed additional plants to achieve sufficient coverage and survivability.	1	Spr, S, 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_CITY/DNR</b>					
Olympic View - City/DNR	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, pepperweed) as directed by the Trustees.	1	Spr, S
Olympic View - City/DNR	Erosion	Beach/Marsh	Monitor sedimentation/erosion in salt marsh and beach shift	2	S, W
<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>SHA DADX</b>					
Sha Dadx	Invasive Species	Toe of slope	Remove regulated noxious weeds and other priority species (Himalayan blackberry, 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>OVRA TRIANGLE</b>					
OVRA Triangle	Invasive Species	All	Remove regulated noxious weeds and other priority species (Himalayan blackberry, knotweed) as directed by the Trustees.	1	On-going
OVRA Triangle	Supplemental Planting	Riparian/Marsh	Planting as needed	1	F

**Environmental Stewardship Project  
2012 Task List (Proposed)**

<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					
Sites Pending Trustee approval					
Proposed, New (2012)					

## **Attachment 2**

### **CHB 2011 Work Plan and Proposed 2012 Work Plan**







Month-Week Of	Middle Wtwy Simpson	Middle Wtwy CoT	Tahoma Salt Marsh	Olympic View City/DNR	Mowitch	Squally Beach	Skookum Wulge	Yowkwala	Swan Crk	Jordan - Hylebos Crk	Hauff	Shadax
1												Inv. Rem. 5/5/12 CHB, EC, V
7												
14									Inv. Rem. 5/19 CHB, V			
21												
28												
June												
1							Inv. Rem. 6/2 CHB, V					
4												Inv. Rem. 6/9 CHB, EC, V
11												
18								Inv. Rem. 6/23 CHB, V				
25												
July												
2												
9												
16						5th Annual Shoreline Clean Up 7/21/12	5th Annual Shoreline Clean Up 7/21/12	5th Annual Shoreline Clean Up 7/21/12				
23												
30												
August												
1												
6												
13												
20												
27												
September												
1												
3										Inv. Rem. Loostrife, 9/8 CHB, V		
10								Inv. Rem. 9/15 CHB, EC, V				



# **Attachment 3**

## **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)
<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.
<b>Erosion</b>	Same as before	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
<b>Fencing</b>	No change noted. See GED notes under Human Impacts above.	No change noted	No change noted
<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
<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.
<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
<b>Photo-documentation</b>	Taken	Not taken	Not 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
<b>Human Impacts</b>	Clearing from sign to marsh opening	Dumped oyster shells	Adjacent site cleared of blackberry	None noted	Minimal trash
<b>Erosion</b>	Minor - not significant	Minor	Minor	Minor at fence line	None noted
<b>Weeds</b>	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
<b>Fencing</b>	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
<b>Plantings</b>	None noted	Plants previously cut near the sign - coming back with vigor	None noted	No recent plantings	No recent plantings
<b>Flora</b>	All species doing well	Same	Same	Same	Generally healthy, as before
<b>Fauna</b>	Avian species noted	None noted	Gulls, crow	Gull	Canada geese scat
<b>Photo-documentation</b>	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)
<b>Human Impacts</b>	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
<b>Erosion</b>	None noted	None of significance	None noted	Minor near the berm.	Minor, near the mouth
<b>Weeds</b>	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
<b>Fencing</b>	Fencing still needs repair or removal	Fence has been removed and posts remain.	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	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
<b>Flora</b>	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
<b>Fauna</b>	Crabs, bird feathers, seashells	Small avian species.	None identified	Small avian species, mussels	None identified
<b>Photo-documentation</b>	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)
<b>Human Impacts</b>	Minor trash	Minor trash	None noted	Minor trash between the berm and the roadway	Minor trash in the marsh
<b>Erosion</b>	None noted	None noted	A small amount was present on the shoreline of the site	None noted	None noted
<b>Weeds</b>	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.
<b>Fencing</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	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
<b>Flora</b>	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.
<b>Fauna</b>	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
<b>Photo-documentation</b>	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
Human Impacts	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
Erosion	None noted	None noted	None noted	None noted	None noted
Weeds	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
Fencing	Platform structures intact	Same	Same	Same	Damage to middle viewing platform
Plantings	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
Flora	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
Fauna	Beaver evidence. Avian species noted	Avian species, heron, otters (?)	Chickadee, wren, ducks, dog	Beaver	Avian species, beaver evidence, ducks
Photo-documentation	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)
Human Impacts	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
Erosion	None noted	None noted	None noted	None noted	None noted
Weeds	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
Fencing	No change noted	No change noted	No change noted	No change noted	No change noted
Plantings	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.
Flora	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.
Fauna	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
Photo-documentation	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 mixes 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

<b>ESP Site Record: Middle Waterway, Simpson</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>	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 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>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
<b>Erosion</b>	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
<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
<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
<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.
<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
<b>Photo-documentation</b>	Taken	Not taken	Not taken

# **Attachment 4**

## **Financial Summary**

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,057.40	\$0.00	\$0.00	\$1,057.40
Reporting and Documentation (-02)	\$1,627.93	\$0.00	\$0.00	\$1,627.93
<b>Sub Total*</b>	<b>\$2,685.33</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,685.33</b>
Site Monitoring (-xx-01)	\$86.28	\$0.00	\$0.00	\$86.28
Site Maintenance (-xx-02)	\$0.00	\$151.00	\$0.00	\$151.00
WCC Crew (\$48.08/hr)	\$7,452.40	\$0.00	\$0.00	\$7,452.40
Adaptive Maintenance (-xx-03)	\$766.44	\$1,880.40	\$0.00	\$2,646.84
General Maintenance and Monitoring (-30)	\$0.00	\$10,648.51	\$0.00	\$10,648.51
<b>Sub Total</b>	<b>\$8,305.12</b>	<b>\$12,679.91</b>	<b>\$0.00</b>	<b>\$20,985.03</b>
<b>Grand Total</b>	<b>\$10,990.45</b>	<b>\$12,679.91</b>	<b>\$0.00</b>	<b>\$23,670.36</b>

Life to 12/31/11

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$15,439.01	\$323.12	\$0.00	\$15,762.13
\$14,162.90	\$0.00	\$0.00	\$14,162.90
<b>\$29,601.91</b>	<b>\$323.12</b>	<b>\$0.00</b>	<b>\$29,925.03</b>
\$8,727.58	\$0.00	\$0.00	\$8,727.58
\$97.19	\$5,898.16	\$0.00	\$5,995.35
\$74,080.20	\$0.00	\$0.00	\$74,080.20
\$9,309.72	\$11,910.83	\$0.00	\$21,220.55
\$1,416.96	\$44,549.46	\$0.00	\$45,966.42
<b>\$93,631.65</b>	<b>\$62,358.45</b>	<b>\$0.00</b>	<b>\$155,990.10</b>
<b>\$123,233.56</b>	<b>\$62,681.57</b>	<b>\$0.00</b>	<b>\$185,915.13</b>

\* Total can not exceed \$29,535. Maximum allowable reimbursement was exceeded by 12/31/2011; therefore, the Year 4 reimbursement request for Tasks 1 and 2 is limited to \$2,295.30. Future costs in Tasks 1 and 2 will be tracked for informational purposes only.

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,057.40	\$0.00	\$0.00	\$1,057.40

Life to 12/31/11

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$15,439.01	\$323.12	\$0.00	\$15,762.13

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 10/01/2011 To 12/31/2011

Doc. Date	Object	Cost Elem.	Cost elem. name	Val. in RC	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	287.60		ENV-00371-01
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	197.96		ENV-00371-01
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	1,035.36		ENV-00371-02
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-03
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	197.96		ENV-00371-04
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-07
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	115.04		ENV-00371-01
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-01
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	230.08		ENV-00371-02
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	247.45		ENV-00371-02
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-03
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	148.47		ENV-00371-07
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	258.84		ENV-00371-01
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-01
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	115.04		ENV-00371-02
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-04
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	148.47		ENV-00371-10
11/01/2011	ENV-00371	5290000	Int-Mats from Proj	788.22		ENV-00371-04
12/05/2011	ENV-00371	5290000	Int-Mats from Proj	30.06		ENV-00371-05
12/05/2011	ENV-00371	5290000	Int-Mats from Proj	546.54		ENV-00371-07
12/29/2011	ENV-00371	5290000	Int-Mats from Proj	515.58		ENV-00371-10
11/01/2011	ENV-00371	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-20
01/17/2012	ENV-00371	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-20
*	ENV-00371			16,066.96		
09/27/2011	ENV-00371-01	5195000	Act-Labor Regular	287.60	Mary L Henley	521600/P20830
09/27/2011	ENV-00371-01	5195000	Act-Labor Regular	197.96	Desiree K Pooley	521600/P20930
11/01/2011	ENV-00371-01	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/10/2011	ENV-00371-01	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
12/06/2011	ENV-00371-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
12/15/2011	ENV-00371-01	5195000	Act-Labor Regular	172.56	Mary L Henley	521600/P20830
11/23/2011	ENV-00371-01	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
*	ENV-00371-01			1,057.40		
10/11/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
10/12/2011	ENV-00371-02	5195000	Act-Labor Regular	143.80	Mary L Henley	521600/P20830
10/13/2011	ENV-00371-02	5195000	Act-Labor Regular	287.60	Mary L Henley	521600/P20830
10/14/2011	ENV-00371-02	5195000	Act-Labor Regular	143.80	Mary L Henley	521600/P20830
10/18/2011	ENV-00371-02	5195000	Act-Labor Regular	172.56	Mary L Henley	521600/P20830
10/19/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
10/20/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/08/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/10/2011	ENV-00371-02	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-02	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
11/01/2011	ENV-00371-02	5195000	Act-Labor Regular	49.49	Desiree K Pooley	521600/P20930
12/07/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
12/08/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
*	ENV-00371-02			1,627.93		
11/01/2011	ENV-00371-03	5190000	Int-Labor from Proj	86.28		ENV-00371-03-03
12/05/2011	ENV-00371-03	5190000	Int-Labor from Proj	98.98		ENV-00371-03-03
*	ENV-00371-03			185.26		
10/19/2011	ENV-00371-03-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/01/2011	ENV-00371-03-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
*	ENV-00371-03-03			185.26		

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

10/01/11 through 12/31/11

Life to 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Reporting and Documentation (-02)	\$1,627.93	\$0.00	\$1,627.93

Personnel Service	Supplies & Service	Grand Total
\$14,162.90	\$0.00	\$14,162.90

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 10/01/2011 To 12/31/2011

Doc. Date	Object	Cost Elem.	Cost elem. name	Val. in RC	Impl./Appl. Name	Partner object
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	287.60		ENV-00371-01
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	197.96		ENV-00371-01
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	1,035.36		ENV-00371-02
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-03
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	197.96		ENV-00371-04
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-07
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	115.04		ENV-00371-01
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-01
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	230.08		ENV-00371-02
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	247.45		ENV-00371-02
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-03
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	148.47		ENV-00371-07
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	258.84		ENV-00371-01
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-01
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	115.04		ENV-00371-02
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-04
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	148.47		ENV-00371-10
11/01/2011	ENV-00371	5290000	Int-Mats from Proj	788.22		ENV-00371-04
12/05/2011	ENV-00371	5290000	Int-Mats from Proj	30.06		ENV-00371-05
12/05/2011	ENV-00371	5290000	Int-Mats from Proj	546.54		ENV-00371-07
12/29/2011	ENV-00371	5290000	Int-Mats from Proj	515.58		ENV-00371-10
11/01/2011	ENV-00371	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-20
01/17/2012	ENV-00371	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-20
*	ENV-00371			16,066.96		
09/27/2011	ENV-00371-01	5195000	Act-Labor Regular	287.60	Mary L Henley	521600/P20830
09/27/2011	ENV-00371-01	5195000	Act-Labor Regular	197.96	Desiree K Pooley	521600/P20930
11/01/2011	ENV-00371-01	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/10/2011	ENV-00371-01	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
12/06/2011	ENV-00371-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
12/15/2011	ENV-00371-01	5195000	Act-Labor Regular	172.56	Mary L Henley	521600/P20830
11/23/2011	ENV-00371-01	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
*	ENV-00371-01			1,057.40		
10/11/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
10/12/2011	ENV-00371-02	5195000	Act-Labor Regular	143.80	Mary L Henley	521600/P20830
10/13/2011	ENV-00371-02	5195000	Act-Labor Regular	287.60	Mary L Henley	521600/P20830
10/14/2011	ENV-00371-02	5195000	Act-Labor Regular	143.80	Mary L Henley	521600/P20830
10/18/2011	ENV-00371-02	5195000	Act-Labor Regular	172.56	Mary L Henley	521600/P20830
10/19/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
10/20/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/08/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/10/2011	ENV-00371-02	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-02	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
11/01/2011	ENV-00371-02	5195000	Act-Labor Regular	49.49	Desiree K Pooley	521600/P20930
12/07/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
12/08/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
*	ENV-00371-02			1,627.93		
11/01/2011	ENV-00371-03	5190000	Int-Labor from Proj	86.28		ENV-00371-03-03
12/05/2011	ENV-00371-03	5190000	Int-Labor from Proj	98.98		ENV-00371-03-03
*	ENV-00371-03			185.26		
10/19/2011	ENV-00371-03-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/01/2011	ENV-00371-03-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
*	ENV-00371-03-03			185.26		

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-03-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-03-02)	\$0.00	\$20.00	\$20.00
WCC Crew (\$48.08/hr)	\$432.72	\$0.00	\$432.72
Adaptive Maintenance (-03-03)	\$185.26	\$0.00	\$185.26
Grand Total	\$617.98	\$20.00	\$637.98

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$1,053.13	\$0.00	\$1,053.13
\$0.00	\$330.32	\$330.32
\$4,144.28	\$0.00	\$4,144.28
\$287.54	\$699.08	\$986.62
\$5,484.95	\$1,029.40	\$6,514.35

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 10/01/2011 To 12/31/2011

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in RC	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	287.60		ENV-00371-01
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	197.96		ENV-00371-01
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	1,035.36		ENV-00371-02
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-03
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	197.96		ENV-00371-04
11/01/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-07
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	115.04		ENV-00371-01
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-01
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	230.08		ENV-00371-02
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	247.45		ENV-00371-02
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-03
12/05/2011	ENV-00371	5190000	Int-Labor from Proj	148.47		ENV-00371-07
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	258.84		ENV-00371-01
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	98.98		ENV-00371-01
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	115.04		ENV-00371-02
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	86.28		ENV-00371-04
12/29/2011	ENV-00371	5190000	Int-Labor from Proj	148.47		ENV-00371-10
11/01/2011	ENV-00371	5290000	Int-Mats from Proj	788.22		ENV-00371-04
12/05/2011	ENV-00371	5290000	Int-Mats from Proj	30.06		ENV-00371-05
12/05/2011	ENV-00371	5290000	Int-Mats from Proj	546.54		ENV-00371-07
12/29/2011	ENV-00371	5290000	Int-Mats from Proj	515.58		ENV-00371-10
11/01/2011	ENV-00371	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-20
01/17/2012	ENV-00371	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-20
*	ENV-00371			16,066.96		
09/27/2011	ENV-00371-01	5195000	Act-Labor Regular	287.60	Mary L Henley	521600/P20830
09/27/2011	ENV-00371-01	5195000	Act-Labor Regular	197.96	Desiree K Pooley	521600/P20930
11/01/2011	ENV-00371-01	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/10/2011	ENV-00371-01	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
12/06/2011	ENV-00371-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
12/15/2011	ENV-00371-01	5195000	Act-Labor Regular	172.56	Mary L Henley	521600/P20830
11/23/2011	ENV-00371-01	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
*	ENV-00371-01			1,057.40		
10/11/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
10/12/2011	ENV-00371-02	5195000	Act-Labor Regular	143.80	Mary L Henley	521600/P20830
10/13/2011	ENV-00371-02	5195000	Act-Labor Regular	287.60	Mary L Henley	521600/P20830
10/14/2011	ENV-00371-02	5195000	Act-Labor Regular	143.80	Mary L Henley	521600/P20830
10/18/2011	ENV-00371-02	5195000	Act-Labor Regular	172.56	Mary L Henley	521600/P20830
10/19/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
10/20/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/08/2011	ENV-00371-02	5195000	Act-Labor Regular	115.04	Mary L Henley	521600/P20830
11/10/2011	ENV-00371-02	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-02	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
11/01/2011	ENV-00371-02	5195000	Act-Labor Regular	49.49	Desiree K Pooley	521600/P20930
12/07/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
12/08/2011	ENV-00371-02	5195000	Act-Labor Regular	57.52	Mary L Henley	521600/P20830
*	ENV-00371-02			1,627.93		
11/01/2011	ENV-00371-03	5190000	Int-Labor from Proj	86.28		ENV-00371-03-03
12/05/2011	ENV-00371-03	5190000	Int-Labor from Proj	98.98		ENV-00371-03-03
*	ENV-00371-03			185.26		
10/19/2011	ENV-00371-03-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/01/2011	ENV-00371-03-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
*	ENV-00371-03-03			185.26		

**Tacoma Hours**

Month: November Year: 2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2					3
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4																		36.5
Ecology Hours		1								10					3						2							2				17
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3			<del>12</del> 11.5
Landfill Buffer																												2				1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1					2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				<del>6</del> 5
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1															1															<del>2</del> 1.5
Squally																2	2															<del>4</del> 3.5
Surface/Storm Water																																0
Swan Creek		2				1									3	1						3						6	5	2		<del>23</del> 15
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1	3						1									1				2	2										9.5
Visscher Rain Garden																																0
Yowkwala								4						4	1																	<del>9</del> 8.5
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 831128  
Date: 11/21/11  
Time In: 17:05  
Time Out: 17:09  
Turnaround: 4  
Operator: RL  
Site: LF

Gr: 7560 Tr: 7500 NET: 60  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$10.00

NOTE: *Wife Alex Yowkatala*

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

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 826386  
Date: 11/09/11  
Time In: 14:44  
Time Out: 14:51  
Turnaround: 7  
Operator: TG  
Site: LF

Gr: 7660 Tr: 7580 NET: 80  
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: *Yowkwal*

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

*\$ 20.00*

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-04-01)	\$86.28	\$0.00	\$86.28
Site Maintenance (-04-02)	\$0.00	\$55.50	\$55.50
WCC Crew (\$48.08/hr)	\$1,057.76	\$0.00	\$1,057.76
Adaptive Maintenance (-04-03)	\$197.96	\$788.22	\$986.18
Grand Total	\$1,342.00	\$843.72	\$2,185.72

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$753.44	\$0.00	\$753.44
\$0.00	\$1,208.22	\$1,208.22
\$7,582.06	\$0.00	\$7,582.06
\$7,206.37	\$1,656.88	\$8,863.25
\$15,541.87	\$2,865.10	\$18,406.97

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 10/01/2011 To 12/31/2011

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in RC	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371-04	5190000	Int-Labor from Proj	197.96		ENV-00371-04-03
12/29/2011	ENV-00371-04	5190000	Int-Labor from Proj	86.28		ENV-00371-04-01
11/01/2011	ENV-00371-04	5290000	Int-Mats from Proj	788.22		ENV-00371-04-03
*	ENV-00371-04			1,072.46		
11/22/2011	ENV-00371-04-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
	ENV-00371-04-01			86.28		
10/11/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/12/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	580.55		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	190.00		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	17.67		
*	ENV-00371-04-03			986.18		
12/05/2011	ENV-00371-05	5290000	Int-Mats from Proj	30.06		ENV-00371-05-03
*	ENV-00371-05			30.06		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	27.50		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	2.56		
*	ENV-00371-05-03			30.06		
11/01/2011	ENV-00371-07	5190000	Int-Labor from Proj	86.28		ENV-00371-07-03
12/05/2011	ENV-00371-07	5190000	Int-Labor from Proj	148.47		ENV-00371-07-03
12/05/2011	ENV-00371-07	5290000	Int-Mats from Proj	546.54		ENV-00371-07-03
*	ENV-00371-07			781.29		
10/19/2011	ENV-00371-07-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-07-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	190.00		
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	17.67		
11/08/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	338.87		
*	ENV-00371-07-03			781.29		
12/29/2011	ENV-00371-10	5190000	Int-Labor from Proj	148.47		ENV-00371-10-03
12/29/2011	ENV-00371-10	5290000	Int-Mats from Proj	515.58		ENV-00371-10-03
*	ENV-00371-10			664.05		
11/23/2011	ENV-00371-10-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
12/01/2011	ENV-00371-10-03	5210500	Landscape Equ & Sup	515.58		
*	ENV-00371-10-03			664.05		
11/01/2011	ENV-00371-20	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-30-01
01/17/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-30-01
*	ENV-00371-20			10,648.51		
10/19/2011	ENV-00371-30-01	5310100	Professional Servs	3,093.10		
01/13/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41		
*	ENV-00371-30-01			10,648.51		
**				45,515.55		

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 10/01/2011 To 12/31/2011

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in R	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371-04	5190000	Int-Labor from Proj	197.96		ENV-00371-04-03
12/29/2011	ENV-00371-04	5190000	Int-Labor from Proj	86.28		ENV-00371-04-01
11/01/2011	ENV-00371-04	5290000	Int-Mats from Proj	788.22		ENV-00371-04-03
*	ENV-00371-04			1,072.46		
11/22/2011	ENV-00371-04-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
*	ENV-00371-04-01			86.28		
10/11/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/12/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	580.55		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	190.00		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	17.67		
*	ENV-00371-04-03			986.18		
12/05/2011	ENV-00371-05	5290000	Int-Mats from Proj	30.06		ENV-00371-05-03
*	ENV-00371-05			30.06		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	27.50		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	2.56		
*	ENV-00371-05-03			30.06		
11/01/2011	ENV-00371-07	5190000	Int-Labor from Proj	86.28		ENV-00371-07-03
12/05/2011	ENV-00371-07	5190000	Int-Labor from Proj	148.47		ENV-00371-07-03
12/05/2011	ENV-00371-07	5290000	Int-Mats from Proj	546.54		ENV-00371-07-03
*	ENV-00371-07			781.29		
10/19/2011	ENV-00371-07-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-07-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	190.00		
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	17.67		
11/08/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	338.87		
*	ENV-00371-07-03			781.29		
12/29/2011	ENV-00371-10	5190000	Int-Labor from Proj	148.47		ENV-00371-10-03
12/29/2011	ENV-00371-10	5290000	Int-Mats from Proj	515.58		ENV-00371-10-03
*	ENV-00371-10			664.05		
11/23/2011	ENV-00371-10-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
12/01/2011	ENV-00371-10-03	5210500	Landscape Equ & Sup	515.58		
*	ENV-00371-10-03			664.05		
11/01/2011	ENV-00371-20	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-30-01
01/17/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-30-01
*	ENV-00371-20			10,648.51		
10/19/2011	ENV-00371-30-01	5310100	Professional Servs	3,093.10		
01/13/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41		
*	ENV-00371-30-01			10,648.51		
**				45,515.55		

**Tacoma Hours**

Month:October Year:2011

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																																0	
48th St Bioswale																																	0
Celebration Park											5	2													5						4	15.5	
Service Projects																																0	
City Projects						1				7																				5	12.5		
Ecology Hours					3													10	10	10	10						10					52.5	
Esplanade				2																						2						3	
Head of Thea Foss																																0	
Hylebos										4																						3.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos				5							2																					7.5	
Landfill Buffer																																0	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City			2	2		2																			5	2						13.5	
Middlewaterway Simpson																																0	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach					2																											1.5	
Olympic View											4																2					6.5	
Paperwork/Safety Meeting			4			1					2													7								13.5	
PCD Water Quality																																0	
Puyallup River Side Channel																														1		1	
Thea Foss log/fence																																0	
Skookum Wuldge					1						2	10												3	3							19	
Squally																																0	
Surface/Storm Water																																0	
Swan Creek				5		5	7				5																					22.5	
Tahoma Salt Marsh				3																							1					4.5	
Titlow Daylight																																0	
Tool Maintenance																											1					1	
Visscher Rain Garden																																0	
Yowkwala																																0	
Work with other crew																																0	
Total Hours	0	0	10	10	10	10	0	0	0	10	10	10	0	0	0	0	0	10	10	10	10	0	0	10	10	10	10	0	0	10	170		

Days schedule off for crew

**Tacoma Hours**

Month: November Year: 2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2					3
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4								2										36.5
Ecology Hours		1							10						3						2							2				17
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3			<del>12</del> 11.5
Landfill Buffer																											2					1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1					2
Middlewaterway Tidelflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				<del>6</del> 4
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1															1															<del>2</del> 1.5
Squally															2	2																<del>4</del> 3.5
Surface/Storm Water																																0
Swan Creek		2				1									3	1						3					6	5	2			<del>23</del> 20.5
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwala								4							4	1																<del>9</del> 8.5
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5
48th St Bioswale																																0
Celebration Park													2									1										2.5
Service Projects					2							3															5					9.5
City Projects	2													3								5										9.5
Ecology Hours					1			10					7		2						2							10	10			41
Esplanade	5													3							1											8.5
Head of Thea Foss																																0
Hylebos					2		6					2																				9
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos															4																	4
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City						1								1																		2
Middlewaterway Simpson						1																										1
Middlewaterway Tideflat						9	5																									13
Mowitch															3																	3
North Beach					1																4											4.5
Olympic View	3																				1											4
Paperwork/Safety Meeting					1							2	2									1										5
PCD Water Quality																						3										3
Puyallup River Side Channel					3																											2.5
Thea Foss log/fence																																0
Skookum Wuldge					1																											1
Squally												2																				2
Surface/Storm Water																																0
Swan Creek												1		1																		2
Tahoma Salt Marsh													2																			2
Titlow Daylight																																0
Tool Maintenance								1				1	1	1	1							1										4.5
Visscher Rain Garden																																0
Yowkwala																																0
Work with other crew																																0
Total Hours	10	0	0	0	10	10	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	160

Days schedule off for crew: Christmas holiday

# Skookum Wulge

City of Tacoma

Customer: SCI100  
 Card: 101699  
 Truck: 101699  
 Ticket #: 814946  
 Date: 10/13/11  
 Time In: 15:55  
 Time Out: 16:00  
 Turnaround: 5  
 Operator: RB  
 Site: LF

Gr: 6840 Tr: 6520 NET: 320  
 Gr:1 Tr: 2  
 15 - City Com SW

TIP FEE: 26.00  
 SPEC FEE: 0.00  
 UTILITY TAX: 0.00  
 ADJ: 0.00  
 TOTAL FEE: \$26.00  
 TENDERED: 26.00

Payment:  
 1 - Charge \$26.00

NOTE:

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

# Skookum Wulge

City of Tacoma

Customer: SCI100  
 Card: 101699  
 Truck: 101699  
 Ticket #: 814765  
 Date: 10/13/11  
 Time In: 12:25  
 Time Out: 12:32  
 Turnaround: 7  
 Operator: BH  
 Site: LF

Gr: 6820 Tr: 6560 NET: 260  
 Gr:1 Tr: 2  
 15 - City Com SW

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

Payment:  
 1 - Charge \$19.50

NOTE:

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

City of Tacoma

Customer: SCI100  
 Card: 101699  
 Truck: 101699  
 Ticket #: 836483  
 Date: 12/05/11  
 Time In: 17:10  
 Time Out: 17:13  
 Turnaround: 3  
 Operator: RB  
 Site: LF

Gr: 7220 Tr: 7180 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:

\$55.50

ENV-00371-04-03

4910 PORTLAND AVE  
TACOMA, WA 98404  
(253) 472-1252  
www.handbtopsoil.com



**TOPSOIL**

114724

DATE 11/13

S  
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PHONE 253-472-1252 P.O.#

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T  
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Skookum

Payment *walge*

Yds. 3 WAY TOPSOIL				
Yds. 2 WAY TOPSOIL				
Yds. 3 WAY MUSHROOM COMPOST				
Yds. MUSHROOM COMPOST				
Yds. BARK <small>Medium Fine</small>				190 -
Yds. GRAVEL				

**PAID**

Driver:

<i>KC HK</i>	SUB TOTAL		190 -
	TAX		17 67
	TOTAL		207 67

Signature \_\_\_\_\_

NOTE: We make deliveries made with us and on property at customer's risk only and accept no responsibility for damage from such delivery.  
\$35.00 CHARGE ON ALL RETURNED CHECKS  
Accounts due 10th of month following purchase. Interest of 1 1/2 % per month charged on past due accounts, plus \$2.50 per month billing charge.

Wabash Farms

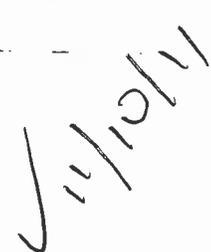
PO Box 291  
31218 SE 408th  
Enumclaw, WA 98022

111761

# Invoice

DATE	INVOICE #
10/12/2011	1494

<b>BILL TO</b>
City of Tacoma Center for Urban Waters 326 E. D Street Tacoma, WA 98421

<b>SHIP TO</b>


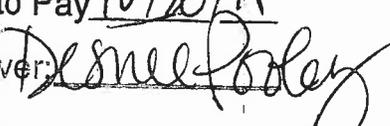
P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
	Net 30		10/13/2011	pick-up		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
		Skookum project (picked up at Wabash Farms) Desiree Pooley		
55	GrIng10ci	10ci tube Grindelia integrifolia / Puget Sound gumweed	1.00	55.00
80	DiSp10ci	10ci tube Distichlis spicata var. spicata / seaside saltgrass	1.00	80.00
80	DeCa4"	4" pot Deschampia caespitosa / tufted hairgrass	0.55	44.00
50	ElMo10ci	10ci tube Elymus mollis / dunegrass	1.00	50.00
15	SyAllg	1 gal. Symphoricarpos albus / snowberry	2.90	43.50
20	MaAq1g	1gal. Mahonia aquifolium / tall Oregon grape	2.90	58.00
20	RoNu1g	1 gal. Rosa nutkana / nootka rose	2.90	58.00
10	RuSp1g	1 gal. Rubus spectabilis / salmonberry	2.90	29.00
15	HoDi1g	1 gal. Holodiscus discolor / oceanspray	2.90	43.50
15	VaOv4"	4" pot Vaccinium ovatum / Evergreen huckleberry	1.75	26.25
6	SaHolg	1 gal. Salix hookeriana / Hooker's willow	2.90	17.40
2	PiCo2g	2 gal. Pinus contorta / shore pine	6.00	12.00
5	RuUr1g	1 gal Rubus ursinus / trailing blackberry	2.90	14.50
		Subtotal		531.15
		4000 Unincorporated non RTA	8.60%	<del>45.68</del>
				49.40

Skookum Wulge

ENV-00371-04-03

Okay to Pay 10/20/11

Approver: 

PO 45-298092

We appreciate your business!

PR 10317368 10/20

**Total**

\$576.83  
~~\$580.55~~

MIG0 5000 445604 10/25

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-05-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-05-02)	\$0.00	\$10.00	\$10.00
WCC Crew (\$48.08/hr)	\$288.48	\$0.00	\$288.48
Adaptive Maintenance (-05-03)	\$0.00	\$30.06	\$30.06
Grand Total	\$288.48	\$40.06	\$328.54

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$743.87	\$0.00	\$743.87
\$0.00	\$1,132.15	\$1,132.15
\$3,629.98	\$0.00	\$3,629.98
\$153.42	\$348.34	\$501.76
\$4,527.27	\$1,480.49	\$6,007.76

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
10/01/2011 To 12/31/2011

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in RC	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371-04	5190000	Int-Labor from Proj	197.96		ENV-00371-04-03
12/29/2011	ENV-00371-04	5190000	Int-Labor from Proj	86.28		ENV-00371-04-01
11/01/2011	ENV-00371-04	5290000	Int-Mats from Proj	788.22		ENV-00371-04-03
*	ENV-00371-04			1,072.46		
11/22/2011	ENV-00371-04-01	5195000	Act-Labor Regular	86.28	Marv L Henley	521600/P20830
*	ENV-00371-04-01			86.28		
10/11/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/12/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	580.55		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	190.00		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	17.67		
*	ENV-00371-04-03			986.18		
12/05/2011	ENV-00371-05	5290000	Int-Mats from Proj	30.06		ENV-00371-05-03
*	ENV-00371-05			30.06		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	27.50		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	2.56		
*	ENV-00371-05-03			30.06	Agreement	
11/01/2011	ENV-00371-07	5190000	Int-Labor from Proj	86.28		ENV-00371-07-03
12/05/2011	ENV-00371-07	5190000	Int-Labor from Proj	148.47		ENV-00371-07-03
12/05/2011	ENV-00371-07	5290000	Int-Mats from Proj	546.54		ENV-00371-07-03
*	ENV-00371-07			781.29		
10/19/2011	ENV-00371-07-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-07-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	190.00		
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	17.67		
11/08/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	338.87		
*	ENV-00371-07-03			781.29		
12/29/2011	ENV-00371-10	5190000	Int-Labor from Proj	148.47		ENV-00371-10-03
12/29/2011	ENV-00371-10	5290000	Int-Mats from Proj	515.58		ENV-00371-10-03
*	ENV-00371-10			664.05		
11/23/2011	ENV-00371-10-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
12/01/2011	ENV-00371-10-03	5210500	Landscape Equ & Sup	515.58		
*	ENV-00371-10-03			664.05		
11/01/2011	ENV-00371-20	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-30-01
01/17/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-30-01
*	ENV-00371-20			10,648.51		
10/19/2011	ENV-00371-30-01	5310100	Professional Servs	3,093.10		
01/13/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41		
*	ENV-00371-30-01			10,648.51		
**				45,515.55		

**Tacoma Hours**

Month:November Year:2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2					3
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4																		36.5
Ecology Hours		1								10					3						2							2			17	
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3		12	11.5
Landfill Buffer																											2					1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1					2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				6
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1																1														2
Squally																2	2															4
Surface/Storm Water																																0
Swan Creek		2					1								3	1						3						6	5	2		23
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwaia								4							4		1															9
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5	
48th St Bioswale																																	0
Celebration Park													2									1										2.5	
Service Projects					2							3															5					9.5	
City Projects	2													3								5										9.5	
Ecology Hours					1			10					7		2						2							10	10			41	
Esplanade	5													3							1											8.5	
Head of Thea Foss																																0	
Hylebos					2		6					2																					9
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos															4																		4
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City						1								1																			2
Middlewaterway Simpson						1																											<del>1</del>
Middlewaterway Tideflat					9	5																											13
Mowitch															3																		3
North Beach					1																4												4.5
Olympic View	3																				1												4
Paperwork/Safety Meeting					1							2	2									1											5
PCD Water Quality																						3											3
Puyallup River Side Channel					3																												2.5
Thea Foss log/fence																																	0
Skookum Wuldge					1																												1
Squally												2																					2
Surface/Storm Water																																	0
Swan Creek												1		1																			2
Tahoma Salt Marsh														2																			2
Titlow Daylight																																	0
Tool Maintenance								1				1	1	1	1							1											4.5
Visscher Rain Garden																																	0
Yowkwala																																	0
Work with other crew																																	0
Total Hours	10	0	0	0	10	10	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	160	

Days schedule off for crew: Christmas holiday

City of Tacoma

Customer: SC1100  
Card: 101699  
Truck: 101699  
Ticket #: 838636  
Date: 12/12/11  
Time In: 09:53  
Time Out: 09:59  
Turnaround: 6  
Operator: RB  
Site: LF

Gr: 7360 Tr: 7340 NET: 20  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$10.00

NOTE:

Signature: SQUALLY

\$10.00

ENV-00371-05-03

**Agrivestment, LTD.**

2018 Portland Ave  
Tacoma, WA 98421  
(253) 627-8008

jean@tripakreload.com

**Invoice**

DATE	INVOICE #
11/1/2011	16330A

<b>BILL TO</b>
City of Tacoma Public Works Environmental Services Attn: Sandi Holdener 2201 Portland Ave Tacoma, WA 98421

PO #	TERMS	DUE DATE	REP
2227	Net 30	12/1/2011	HH

DESCRIPTION	QTY	RATE	AMOUNT
King County pricing WADOT Erosion Control w/clover Sales Tax Tacoma	25	1.10 9.30%	27.50 2.56

THANK YOU!  
PLEASE COME AGAIN!

AGRIVESTMENT LTD  
2018 E PORTLAND AVE  
TACOMA, WA 98421  
253-383-5014  
27310030620102

COPY  
11/01/2011 11:24:19

Transaction # 21  
Card Type: Visa  
Acc: \*\*\*\*\*9861  
Entry: Manual  
Invoice # 950  
Sale: 16330  
Order # 111  
Cust. Code: 27.50  
Amount: 2.56  
Tax:

**Total: 30.06**

Reference No.: 0001  
Auth. Code: 094849  
Response: AP  
AUS Response: y  
Address & five\_digit  
ZIP code match.  
CUU2 Code M  
CUU2/CUC2 matches with  
system data.  
CUSTOMER COPY

THANK YOU!  
PLEASE COME AGAIN!

Agrivestments warrants to the extent of the purchase price that the fertilizer, seed, or other products sold are as described on the container or on the product within recognized tolerances. Seller gives no other or further warranty expressed or implied.

Finance charges of 1.50% (18% annually) will be computed on all invoices not paid within stated terms.

<b>Total</b>	\$30.06
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$30.06

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-06-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-06-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$144.24	\$0.00	\$144.24
Adaptive Maintenance (-06-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$144.24	\$0.00	\$144.24

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$849.96	\$0.00	\$849.96
\$0.00	\$90.88	\$90.88
\$3,557.92	\$0.00	\$3,557.92
\$102.28	\$538.98	\$641.26
\$4,510.16	\$629.86	\$5,140.02

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5
48th St Bioswale																																0
Celebration Park												2										1										2.5
Service Projects					2							3															5					9.5
City Projects	2												3									5										9.5
Ecology Hours					1			10					7		2						2							10	10			41
Esplanade	5												3								1											8.5
Head of Thea Foss																																0
Hylebos					2		6					2																				9
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														4																		4
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City						1								1																		2
Middlewaterway Simpson						1																										1
Middlewaterway Tideflat						9	5																									13
Mowitch															3																	3
North Beach					1																4											4.5
Olympic View	3																				1											4
Paperwork/Safety Meeting					1							2	2									1										5
PCD Water Quality																						3										3
Puyallup River Side Channel					3																											2.5
Thea Foss log/fence																																0
Skookum Wuldge					1																											1
Squally												2																				2
Surface/Storm Water																																0
Swan Creek												1	1																			2
Tahoma Salt Marsh													2																			2
Titlow Daylight																																0
Tool Maintenance							1					1	1	1	1							1										4.5
Visscher Rain Garden																																0
Yowkwala																																0
Work with other crew																																0
Total Hours	10	0	0	0	10	10	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	160

Days schedule off for crew: Christmas holiday

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

10/01/11 through 12/31/11

Life to 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-07-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-07-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$1,105.84	\$0.00	\$1,105.84
Adaptive Maintenance (-07-03)	\$234.75	\$546.54	\$781.29
Grand Total	\$1,340.59	\$546.54	\$1,887.13

Personnel Service	Supplies & Service	Grand Total
\$1,513.92	\$0.00	\$1,513.92
\$46.05	\$65.50	\$111.55
\$12,442.84	\$0.00	\$12,442.84
\$951.38	\$630.54	\$1,581.92
\$14,954.19	\$696.04	\$15,650.23

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
10/01/2011 To 12/31/2011

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val.in RC	Empl./Appl.Name	Partner object
11/01/2011	ENV-00371-04	5190000	Int-Labor from Proj	197.96		ENV-00371-04-03
12/29/2011	ENV-00371-04	5190000	Int-Labor from Proj	86.28		ENV-00371-04-01
11/01/2011	ENV-00371-04	5290000	Int-Mats from Proj	788.22		ENV-00371-04-03
*	ENV-00371-04			1,072.46		
11/22/2011	ENV-00371-04-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
*	ENV-00371-04-01			86.28		
10/11/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/12/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	580.55		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	190.00		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	17.67		
*	ENV-00371-04-03			986.18		
12/05/2011	ENV-00371-05	5290000	Int-Mats from Proj	30.06		ENV-00371-05-03
*	ENV-00371-05			30.06		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	27.50		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	2.56		
*	ENV-00371-05-03			30.06		
11/01/2011	ENV-00371-07	5190000	Int-Labor from Proj	86.28		ENV-00371-07-03
12/05/2011	ENV-00371-07	5190000	Int-Labor from Proj	148.47		ENV-00371-07-03
12/05/2011	ENV-00371-07	5290000	Int-Mats from Proj	546.54		ENV-00371-07-03
*	ENV-00371-07			781.29		
10/19/2011	ENV-00371-07-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-07-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	190.00		
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	17.67		
11/08/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	338.87		
	ENV-00371-07-03			781.29	H+B Topsoil Sound Native Plants	
12/29/2011	ENV-00371-10	5190000	Int-Labor from Proj	148.47		ENV-00371-10-03
12/29/2011	ENV-00371-10	5290000	Int-Mats from Proj	515.58		ENV-00371-10-03
*	ENV-00371-10			664.05		
11/23/2011	ENV-00371-10-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
12/01/2011	ENV-00371-10-03	5210500	Landscape Equ & Sup	515.58		
*	ENV-00371-10-03			664.05		
11/01/2011	ENV-00371-20	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-30-01
01/17/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-30-01
*	ENV-00371-20			10,648.51		
10/19/2011	ENV-00371-30-01	5310100	Professional Servs	3,093.10		
01/13/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41		
*	ENV-00371-30-01			10,648.51		
**				45,515.55		

**Tacoma Hours**

Month:October Year:2011

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																																0	
48th St Bioswale																																	0
Celebration Park											5	2													5						4	15.5	
Service Projects																																0	
City Projects						1				7																				5	12.5		
Ecology Hours					3												10	10	10	10							10					52.5	
Esplanade				2																							2					3	
Head of Thea Foss																																0	
Hylebos										4																						3.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos				5							2																					7.5	
Landfill Buffer																																0	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City			2	2		2																			5	2						13.5	
Middlewaterway Simpson																																0	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach					2																											1.5	
Olympic View											4																2					6.5	
Paperwork/Safety Meeting			4			1						2												7								13.5	
PCD Water Quality																																0	
Puyallup River Side Channel																														1		1	
Thea Foss log/fence																																0	
Skookum Wuldge					1							2	10											3		3						19	
Squally																																0	
Surface/Storm Water																																0	
Swan Creek			5		5	7					5																					22.5	
Tahoma Salt Marsh				3																							1					4.5	
Titlow Daylight																																0	
Tool Maintenance																										1						1	
Visscher Rain Garden																																0	
Yowkwala																																0	
Work with other crew																																0	
Total Hours	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	10	10	10	10	0	0	0	10	170	

Days schedule off for crew

**Tacoma Hours**

Month: November Year: 2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2				3	
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4																		36.5
Ecology Hours		1							10						3						2							2			17	
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3		12	11.5
Landfill Buffer																											2					1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1					2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				6
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1															1															2
Squally															2	2																4
Surface/Storm Water																																0
Swan Creek		2				1									3	1						3						6	5	2		23
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwala								4						4		1																9
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5	
48th St Bioswale																																0	
Celebration Park												2										1										2.5	
Service Projects					2							3															5					9.5	
City Projects	2												3									5										9.5	
Ecology Hours					1		10					7		2							2							10	10			41	
Esplanade	5												3								1											8.5	
Head of Thea Foss																																0	
Hylebos					2		6					2																				9	
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos														4																			4
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City					1								1																				2
Middlewaterway Simpson					1																												0.5
Middlewaterway Tideflat					9	5																											13
Mowitch														3																			3
North Beach				1																	4												4.5
Olympic View	3																				1												4
Paperwork/Safety Meeting				1							2	2										1											5
PCD Water Quality																						3											3
Puyallup River Side Channel				3																													2.5
Thea Foss log/fence																																	0
Skookum Wudge				1																													1
Squally											2																						2
Surface/Storm Water																																	0
Swan Creek											1		1																				2
Tahoma Salt Marsh												2																					2.5
Titlow Daylight																																	0
Tool Maintenance							1				1	1	1	1								1											4.5
Visscher Rain Garden																																	0
Yowkwala																																	0
Work with other crew																																	0
Total Hours	10	0	0	0	10	10	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		160

Days schedule off for crew: Christmas holiday

ENV-00371-07-03

4810 PORTLAND AVE  
TACOMA, WA 98404  
(253) 472-1252  
www.hardscaping.com



TOPSOIL

DATE 11/5

SOLD TO

PHONE

P.O.#

SHIP TO

Payment

Yds 3 WAY TOPSOIL

Yds 2 WAY TOPSOIL

Yds 3 WAY MUSHROOM COMPOST

Yds MUSHROOM COMPOST

5 Yds BARK

Yds GRAVEL

Driver:

SUB TOTAL

190 -

TAX

17.67

TOTAL

207.67

Signature

NOTE: We make deliveries within our service area and are not responsible for damage from such deliveries.  
SEE IN CHARGE ON ALL RETURNED CHECKS.  
Receipts are void if not signed following purchase. Receipts of 1 to 10 lbs. must be signed.  
If you are not satisfied, you'll get your money back.



**SOUND  
NATIVE  
PLANTS** PO Box 7505  
Olympia, WA 98507-7505  
(360) 352-4122 phone  
(360) 867-0007 fax

# Invoice

DATE INVOICE #

11/3/2011 11-279

106272

**BILL TO**

City of Tacoma  
326 East D Street  
Tacoma, WA 98421

P.O. NO.	TERMS	SALESREP	SHIP DATE	ORDERED BY	PROJECT
	Net 30	BSA	11/3/2011	Desiree	jordan

QTY	DESCRIPTION	PRICE	TOTAL
10	Beaked hazelnut - <i>Corylus cornuta</i> , 2 gal.	7.95	79.50
12	Vine maple - <i>Acer circinatum</i> , 1 gal.	3.50	42.00
12	Indian plum - <i>Ocmleria cerasiformis</i> , 1 gal.	3.25	39.00
12	Evergreen huckleberry - <i>Vaccinium ovatum</i> , 1 gal.	5.00	60.00
4	Cascara - <i>Rhamnus purshiana</i> , 1 gal.	3.25	13.00
2	Western red cedar - <i>Thuja plicata</i> , 1 gal.	3.25	6.50
12	Fringecup - <i>Tellima grandiflora</i> , 1 gal.	3.00	36.00
5	Black hawthorn - <i>Crataegus suksdorfii</i> ( <i>C. douglasii</i> var. <i>suksdorfii</i> ), 1 gal	3.25	16.25
6	Pacific ninebark - <i>Physocarpus capitatus</i> , 1 gal.	3.25	19.50
	Subtotal		311.75
	Sales Tax	8.70%	27.12

INV-60371-07-03

P045-299379

OK to pay  
Desiree Pooley

11

**Total**

338.87

PR 10318636 11/3  
P04500299379 11/8

TERMS: Total due in full on pickup/delivery unless prior credit has been arranged. Overdue invoices subject to 1-1/2% per month finance charge. Orders cancelled less than 5 business days in advance subject to 10% restocking fee. Holding fees may be charged on orders delayed more than 3 months. Non-refundable 50% deposit required for orders placed more than 6 months in advance. We reserve the right to cancel or decrease quantities of any order due to crop failures or other circumstances beyond our control. Deposits will be proportionately refunded should this occur.

MIG 5000447992 11/8

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-08-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-08-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$913.52	\$0.00	\$913.52
Adaptive Maintenance (-08-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$913.52	\$0.00	\$913.52

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$639.85	\$0.00	\$639.85
\$0.00	\$255.92	\$255.92
\$6,774.34	\$0.00	\$6,774.34
\$51.14	\$1,958.36	\$2,009.50
\$7,465.33	\$2,214.28	\$9,679.61

**Tacoma Hours**

Month:October Year:2011

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																																	0
48th St Bioswale																																	0
Celebration Park											5	2													5							4	15.5
Service Projects																																	0
City Projects						1				7																					5	12.5	
Ecology Hours					3													10	10	10	10						10					52.5	
Esplanade				2																							2						3
Head of Thea Foss																																	0
Hylebos										4																							3.5
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos				5							2																						7
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City			2	2		2																				5	2						13
Middlewaterway Simpson																																	0
Middlewaterway Tideflat																																	0
Mowitch																																	0
North Beach					2																												1.5
Olympic View											4																	2					6
Paperwork/Safety Meeting			4			1					2													7									13.5
PCD Water Quality																																	0
Puyallup River Side Channel																															1	1	
Thea Foss log/fence																																	0
Skookum Wuldge					1						2	10												3		3							19
Squally																																	0
Surface/Storm Water																																	0
Swan Creek			5		5	7					5																						22
Tahoma Salt Marsh				3																								1					4
Titlow Daylight																																	0
Tool Maintenance																											1						1
Visscher Rain Garden																																	0
Yowkwala																																	0
Work with other crew																																	0
Total Hours	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	10	10	10	10	0	0	0	10	170	

Days schedule off for crew

**Tacoma Hours**

Month: November Year: 2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2					3
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4																		36.5
Ecology Hours		1							10						3						2							2				17
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3			12 11.5
Landfill Buffer																											2					1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1					2
Middlewaterway Tidelflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				6 5
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1																1														2 1.5
Squally																2	2															4 3.5
Surface/Storm Water																																0
Swan Creek		2					1								3	1						3					6	5	2			23 1.5
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwaia								4							4		1															9 8.5
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																				10	10	3						5					27.5	
48th St Bioswale																																	0	
Celebration Park												2										1											2.5	
Service Projects					2							3															5						9.5	
City Projects	2												3									5											9.5	
Ecology Hours					1			10					7		2						2							10	10				41	
Esplanade	5												3								1												8.5	
Head of Thea Foss																																	0	
Hylebos					2		6					2																						9
Interviews																																		0
Johnny's Dock																																		0
Jordan-Hylebos														4																				4
Landfill Buffer																																		0
Log Step																																		0
Meet w/CHB																																		0
Middlewaterway City						1							1																					2
Middlewaterway Simpson						1																												0.5
Middlewaterway Tideflat						9	5																											13
Mowitch														3																				3
North Beach					1																4													4.5
Olympic View	3																				1													4
Paperwork/Safety Meeting					1							2	2									1												5
PCD Water Quality																						3												3
Puyallup River Side Channel					3																													2.5
Thea Foss log/fence																																		0
Skookum Wuldge					1																													1
Squally												2																						2
Surface/Storm Water																																		0
Swan Creek												1		1																				2
Tahoma Salt Marsh													2																					2
Titlow Daylight																																		0
Tool Maintenance								1				1	1	1	1							1												4.5
Visscher Rain Garden																																		0
Yowkwala																																		0
Work with other crew																																		0
<b>Total Hours</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>160</b>		

Days schedule off for crew: Christmas holiday

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-09-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-09-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$144.24	\$0.00	\$144.24
Adaptive Maintenance (-09-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$144.24	\$0.00	\$144.24

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$736.50	\$0.00	\$736.50
\$0.00	\$930.48	\$930.48
\$1,598.57	\$0.00	\$1,598.57
\$51.14	\$2,265.91	\$2,317.05
\$2,386.21	\$3,196.39	\$5,582.60

**Tacoma Hours**

Month:November Year:2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2					3
Service Projects																2	3				2											6.5
City Projects	9							9	10	5				4																		36.5
Ecology Hours		1								10					3						2							2			17	
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3		<del>12</del> 11.5	
Landfill Buffer																												2				1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																										1				2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				<del>6</del> 8
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1															1															<del>2</del> 1.5
Squally																2	2															<del>4</del> 3.5
Surface/Storm Water																																0
Swan Creek		2					1								3	1						3						6	5	2		<del>23</del> 15
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwala								4						4		1																<del>9</del> 8.5
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5
48th St Bioswale																																0
Celebration Park												2										1										2.5
Service Projects					2							3															5					9.5
City Projects	2													3								5										9.5
Ecology Hours					1			10					7		2						2							10	10			41
Esplanade	5													3							1											8.5
Head of Thea Foss																																0
Hylebos					2		6					2																				9
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos															4																	4
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City						1								1																		2
Middlewaterway Simpson						1																										1
Middlewaterway Tideflat						9	5																									13
Mowitch															3																	3
North Beach					1																4											4.5
Olympic View	3																				1											4
Paperwork/Safety Meeting					1							2	2									1										5
PCD Water Quality																						3										3
Puyallup River Side Channel					3																											2.5
Thea Foss log/fence																																0
Skookum Wuldge					1																											1
Squally												2																				2
Surface/Storm Water																																0
Swan Creek												1	1																			2
Tahoma Salt Marsh													2																			2
Titlow Daylight																																0
Tool Maintenance							1					1	1	1	1							1										4.5
Visscher Rain Garden																																0
Yowkwala																																0
Work with other crew																																0
<b>Total Hours</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>160</b>

Days schedule off for crew: Christmas holiday

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-10-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-10-02)	\$0.00	\$46.00	\$46.00
WCC Crew (\$48.08/hr)	\$769.28	\$0.00	\$769.28
Adaptive Maintenance (-10-03)	\$148.47	\$515.58	\$664.05
Grand Total	\$917.75	\$561.58	\$1,479.33

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$744.50	\$0.00	\$744.50
\$0.00	\$183.04	\$183.04
\$5,317.60	\$0.00	\$5,317.60
\$250.75	\$515.58	\$766.33
\$6,312.85	\$698.62	\$7,011.47

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
10/01/2011 To 12/31/2011

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in RC	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371-04	5190000	Int-Labor from Proj	197.96		ENV-00371-04-03
12/29/2011	ENV-00371-04	5190000	Int-Labor from Proj	86.28		ENV-00371-04-01
11/01/2011	ENV-00371-04	5290000	Int-Mats from Proj	788.22		ENV-00371-04-03
*	ENV-00371-04			1,072.46		
11/22/2011	ENV-00371-04-01	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
*	ENV-00371-04-01			86.28		
10/11/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/12/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	580.55		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	190.00		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	17.67		
*	ENV-00371-04-03			986.18		
12/05/2011	ENV-00371-05	5290000	Int-Mats from Proj	30.06		ENV-00371-05-03
*	ENV-00371-05			30.06		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	27.50		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	2.56		
*	ENV-00371-05-03			30.06		
11/01/2011	ENV-00371-07	5190000	Int-Labor from Proj	86.28		ENV-00371-07-03
12/05/2011	ENV-00371-07	5190000	Int-Labor from Proj	148.47		ENV-00371-07-03
12/05/2011	ENV-00371-07	5290000	Int-Mats from Proj	546.54		ENV-00371-07-03
*	ENV-00371-07			781.29		
10/19/2011	ENV-00371-07-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-07-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	190.00		
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	17.67		
11/08/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	338.87		
*	ENV-00371-07-03			781.29		
12/29/2011	ENV-00371-10	5190000	Int-Labor from Proj	148.47		ENV-00371-10-03
12/29/2011	ENV-00371-10	5290000	Int-Mats from Proj	515.58		ENV-00371-10-03
*	ENV-00371-10			664.05		
11/23/2011	ENV-00371-10-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
12/01/2011	ENV-00371-10-03	5210500	Landscape Equ & Sup	515.58	<i>Wabash Farms</i>	
*	ENV-00371-10-03			664.05		
11/01/2011	ENV-00371-20	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-30-01
01/17/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-30-01
*	ENV-00371-20			10,648.51		
10/19/2011	ENV-00371-30-01	5310100	Professional Servs	3,093.10		
01/13/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41		
*	ENV-00371-30-01			10,648.51		
**				45,515.55		

**Tacoma Hours**

Month:October Year:2011

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																																0	
48th St Bioswale																																	0
Celebration Park											5	2													5						4	15.5	
Service Projects																																0	
City Projects						1				7																				5	12.5		
Ecology Hours					3												10	10	10	10							10					52.5	
Esplanade				2																						2						3	
Head of Thea Foss																																0	
Hylebos										4																						3.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos				5							2																					7.5	
Landfill Buffer																																0	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City			2	2		2																			5	2						13.5	
Middlewaterway Simpson																																0	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach					2																											1.5	
Olympic View											4															2						6.5	
Paperwork/Safety Meeting			4			1					2												7									13.5	
PCD Water Quality																																0	
Puyallup River Side Channel																														1		1	
Thea Foss log/fence																																0	
Skookum Wuldge					1						2	10												3		3						19	
Squally																																0	
Surface/Storm Water																																0	
Swan Creek				5		5	7				5																					22.5	
Tahoma Salt Marsh				3																						1						4.5	
Titlow Daylight																																0	
Tool Maintenance																										1						1	
Visscher Rain Garden																																0	
Yowkwala																																0	
Work with other crew																																0	
Total Hours	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	10	10	10	10	0	0	0	10	170	

Days schedule off for crew

**Tacoma Hours**

Month: November Year: 2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2					3
Service Projects																2	3					2										6.5
City Projects	9						9	10	5					4			3					2										36.5
Ecology Hours		1								10						3						2						2				17
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3			<del>12</del> 11.5
Landfill Buffer																											2					1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1					2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				<del>6</del> 5
Paperwork/Safety Meeting																1						2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1															1															<del>2</del> 1.5
Squally															2	2																<del>4</del> 3.5
Surface/Storm Water																																0
Swan Creek		2					1								3	1						3					6	5	2			<del>23</del> 15
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwala								4							4	1																<del>9</del> 8.5
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5	
48th St Bioswale																																	0
Celebration Park												2										1										2.5	
Service Projects					2							3															5					9.5	
City Projects	2													3								5										9.5	
Ecology Hours					1			10					7		2						2							10	10			41	
Esplanade	5													3							1											8.5	
Head of Thea Foss																																0	
Hylebos					2		6					2																					9
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos															4																		4
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City						1								1																			2
Middlewaterway Simpson						1																											1.05
Middlewaterway Tideflat						9	5																										13
Mowitch															3																		3
North Beach					1																4												4.5
Olympic View	3																				1												4
Paperwork/Safety Meeting					1							2	2									1											5
PCD Water Quality																						3											3
Puyallup River Side Channel					3																												2.5
Thea Foss log/fence																																	0
Skookum Wuldge					1																												1
Squally												2																					2
Surface/Storm Water																																	0
Swan Creek												1		1																			2
Tahoma Salt Marsh													2																				2.25
Titlow Daylight																																	0
Tool Maintenance								1				1	1	1	1							1											4.5
Visscher Rain Garden																																	0
Yowkwala																																	0
Work with other crew																																	0
<b>Total Hours</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>160</b>	

Days schedule off for crew: Christmas holiday

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 833592  
Date: 11/29/11  
Time In: 10:39  
Time Out: 10:45  
Turnaround: 6  
Operator: TG  
Site: LF

Gr: 7600 Tr: 7460 NET: 140  
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: *Olympic view*

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

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 814173  
Date: 10/11/11  
Time In: 17:16  
Time Out: 17:19  
Turnaround: 3  
Operator: RB  
Site: LF

Gr: 7420 Tr: 7380 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: *Olympic view*

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

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 834689  
Date: 12/01/11  
Time In: 16:57  
Time Out: 17:03  
Turnaround: 6  
Operator: BH  
Site: LF

Gr: 7740 Tr: 7560 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: *Olympic view*

NOTE:

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 833906  
Date: 11/29/11  
Time In: 17:19  
Time Out: 17:24  
Turnaround: 5  
Operator: BH  
Site: LF

Gr: 7460 Tr: 7360 NET: 100  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$10.00

NOTE: *Olympic view*

NOTE:

*\$46.00*

Wabash Farms

111761

# Invoice

PO Box 291

31218 SE 408th

Enumclaw, WA 98022

DATE	INVOICE #
11/30/2011	1543

<b>BILL TO</b>
City of Tacoma Center for Urban Waters 326 E. D Street Tacoma, WA 98421

<b>SHIP TO</b>

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
	Net 30		11/30/2011	at Wabash		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
OVRA project (Desiree Pooley) <u>picked up at Wabash</u>				
25	SyAl1g	1 gal. Symphoricarpos albus / snowberry	3.25	81.25
25	RoNu2g	2 gal. Rosa nutkana / nootka rose	5.80	145.00
25	SaHo1g	1 gal. Salix hookeriana / Hooker's willow	2.90	72.50
10	VaOv1g	1 gal. Vaccinium ovatum / evergreen huckleberry	3.50	35.00
60	GrIng10ci	10ci tube Grindelia integrifolia / Puget Sound gumweed	1.00	60.00
60	SiHe4"	4" pot Sidalcea hendersonii / Henderson's checker mallow	1.35	81.00
Subtotal				474.75
4000 Unincorporated non RTA			8.60%	40.83

ENV-00371-10-03

OK to pay  
Desiree Pooley  
11/30/11

PO 45-301121

We appreciate your business!

**Total**

\$515.58

PR 10320817 1211

PO 4500301121

MIGD S000451439

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-12-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-12-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$336.56	\$0.00	\$336.56
Adaptive Maintenance (-12-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$336.56	\$0.00	\$336.56

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$715.75	\$0.00	\$715.75
\$0.00	\$308.32	\$308.32
\$3,954.49	\$0.00	\$3,954.49
\$0.00	\$986.56	\$986.56
\$4,670.24	\$1,294.88	\$5,965.12

**Tacoma Hours**  
 Month:October Year:2011

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																																	0
48th St Bioswale																																	0
Celebration Park											5	2													5						4	15.5	
Service Projects																																0	
City Projects						1				7																				5	12.5		
Ecology Hours					3													10	10	10	10						10					52.5	
Esplanade				2																							2					3	
Head of Thea Foss																																0	
Hylebos										4																						3.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos				5							2																					7	
Landfill Buffer																																0	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City			2	2		2																			5	2						13	
Middlewaterway Simpson																																0	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach					2																											1.5	
Olympic View											4																2					6	
Paperwork/Safety Meeting			4			1					2												7									13.5	
PCD Water Quality																																0	
Puyallup River Side Channel																														1		1	
Thea Foss log/fence																																0	
Skookum Wuldge					1						2	10												3		3						19	
Squally																																0	
Surface/Storm Water																																0	
Swan Creek			5		5	7					5																					0	
Tahoma Salt Marsh				3																							1					22	
Titlow Daylight																																4	
Tool Maintenance																																0	
Visscher Rain Garden																											1					1	
Yowkwala																																0	
Work with other crew																																0	
Total Hours	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	10	10	10	10	0	0	0	10	170	

Days schedule off for crew

**Tacoma Hours**

Month:November Year:2011

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																3																3
48th St Bioswale																	1										2					0
Celebration Park																2	3				2											3
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4																		36.5
Ecology Hours		1								10					3						2							2				17
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3			12.5
Landfill Buffer																											2					1.5
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																										1				2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4				6
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1																1														2
Squally																2	2															4
Surface/Storm Water																																0
Swan Creek		2					1								3	1						3						6	5	2		23
Tahoma Salt Marsh																		1														1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1				2	2										9.5
Visscher Rain Garden																																0
Yowkwaia								4						4		1																9
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5	
48th St Bioswale																																	0
Celebration Park												2										1										2.5	
Service Projects					2							3															5					9.5	
City Projects	2												3									5										9.5	
Ecology Hours					1			10					7		2						2							10	10			41	
Esplanade	5												3								1											8.5	
Head of Thea Foss																																0	
Hylebos					2		6					2																					9
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos															4																		4
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City						1								1																			2
Middlewaterway Simpson						1																											1.05
Middlewaterway Tideflat					9	5																											13
Mowitch															3																		3
North Beach					1																4												4.5
Olympic View	3																				1												4
Paperwork/Safety Meeting					1						2	2										1											5
PCD Water Quality																						3											3
Puyallup River Side Channel					3																												2.5
Thea Foss log/fence																																	0
Skookum Wuldge					1																												1
Squally												2																					2
Surface/Storm Water																																	0
Swan Creek												1		1																			2
Tahoma Salt Marsh													2																				2.15
Titlow Daylight																																	0
Tool Maintenance								1				1	1	1	1							1											4.5
Visscher Rain Garden																																	0
Yowkwala																																	0
Work with other crew																																	0
Total Hours	10	0	0	0	10	10	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	160	

Days schedule off for crew: Christmas holiday

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-13-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-13-02)	\$0.00	\$19.50	\$19.50
WCC Crew (\$48.08/hr)	\$2,259.76	\$0.00	\$2,259.76
Adaptive Maintenance (-13-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$2,259.76	\$19.50	\$2,279.26

Life to 12/31/11

Personnel Service	Supplies & Service	Grand Total
\$976.63	\$0.00	\$976.63
\$51.14	\$1,393.33	\$1,444.47
\$25,078.12	\$0.00	\$25,078.12
\$255.70	\$2,310.60	\$2,566.30
\$26,361.59	\$3,703.93	\$30,065.52

**Tacoma Hours**

Month:October Year:2011

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																																	0
48th St Bioswale																																	0
Celebration Park											5	2													5						4	15.5	
Service Projects																																	0
City Projects						1				7																				5	12.5		
Ecology Hours					3													10	10	10	10						10					52.5	
Esplanade				2																						2							3
Head of Thea Foss																																	0
Hylebos										4																							3.5
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos				5							2																						7
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City			2	2	2																					5	2						13
Middlewaterway Simpson																																	0
Middlewaterway Tideflat																																	0
Mowitch																																	0
North Beach				2																													1.5
Olympic View											4																2						6
Paperwork/Safety Meeting			4		1						2													7									13.5
PCD Water Quality																																	0
Puyallup River Side Channel																														1			1
Thea Foss log/fence																																	0
Skookum Wuldge				1							2	10												3		3							19
Squally																																	0
Surface/Storm Water																																	0
Swan Creek			5		5	7					5																						22
Tahoma Salt Marsh				3																							1						4
Titlow Daylight																																	0
Tool Maintenance																											1						1
Visscher Rain Garden																																	0
Yowkwala																																	0
Work with other crew																																	0
Total Hours	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	10	10	10	10	10	0	0	10	170	

Days schedule off for crew

**Tacoma Hours**

Month: November Year: 2011

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																3																3
48th St Bioswale																																0
Celebration Park																1											2				3	
Service Projects																2	3				2											6.5
City Projects	9						9	10	5					4																		36.5
Ecology Hours		1							10						3						2							2			17	
Esplanade																	1															1
Head of Thea Foss																1																1
Hylebos			7																													7
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos														7								2							3		<del>12</del> 11.5	
Landfill Buffer																											2				1.5	
Log Step																	1															0.5
Meet w/CHB																																0
Middlewaterway City		1																			3											4
Middlewaterway Simpson		1																									1				2	
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach		2																														1.5
Olympic View																						2						4			<del>6</del> 4	
Paperwork/Safety Meeting																	1					2										3
PCD Water Quality																													5			5
Puyallup River Side Channel		3																			3											5.5
Thea Foss log/fence																																0
Skookum Wuldge		1															1															<del>2</del> 1.5
Squally															2	2																<del>4</del> 2.5
Surface/Storm Water																																0
Swan Creek		2					1								3	1						3					6	5	2		<del>23</del> 15	
Tahoma Salt Marsh																	1															1
Titlow Daylight																																0
Tool Maintenance	1		3					1									1					2	2									9.5
Visscher Rain Garden																																0
Yowkwala								4							4	1																<del>9</del> 8.5
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	0	0	0	0	0	10	10	10	0	160

Days schedule off for crew: 11/10 Veterans' Day  
11/23-24 Thanksgiving

**Tacoma Hours**

Month:December Year:2011

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																			10	10	3						5					27.5
48th St Bioswale																																0
Celebration Park													2									1										2.5
Service Projects					2							3															5					9.5
City Projects	2													3								5										9.5
Ecology Hours					1		10						7		2							2						10	10			41
Esplanade	5													3								1										8.5
Head of Thea Foss																																0
Hylebos					2		6					2																				9
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos															4																	4
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City						1								1																		2
Middlewaterway Simpson						1																										<del>1</del>
Middlewaterway Tideflat					9	5																										13
Mowitch															3																	3
North Beach					1																	4										4.5
Olympic View	3																					1										4
Paperwork/Safety Meeting					1							2	2										1									5
PCD Water Quality																							3									3
Puyallup River Side Channel					3																											2.5
Thea Foss log/fence																																0
Skookum Wuldge					1																											1
Squally												2																				2
Surface/Storm Water																																0
Swan Creek												1		1																		2
Tahoma Salt Marsh														2																		2.5
Titlow Daylight																																0
Tool Maintenance							1					1	1	1	1							1										4.5
Visscher Rain Garden																																0
Yowkwala																																0
Work with other crew																																0
Total Hours	10	0	0	0	10	10	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	160

Days schedule off for crew: Christmas holiday

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 829131  
Date: 11/16/11  
Time In: 17:14  
Time Out: 17:18  
Turnaround: 4  
Operator: RB  
Site: LF

Gr: 7560 Tr: 7400 NET: 160  
Gr:1 Tr: 2  
15 - City Com SW  
Tires Off City \$6.50

TIP FEE: 13.00  
SPEC FEE: 6.50  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$19.50  
TENDERED: 19.50

Payment:  
1 - Charge \$19.50

Swan Creek

NOTE:

\$ 19.50

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

10/01/11 through 12/31/11

Project Task	Personnel Service	Supplies & Service	Grand Total
General Maintenance and Monitoring (-30)	\$0.00	\$10,648.51	\$10,648.51

Life to 12/31/11

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

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 10/01/2011 To 12/31/2011

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in RC	Empl./Appl. Name	Partner object
11/01/2011	ENV-00371-04	5190000	Int-Labor from Proj	197.96		ENV-00371-04-03
12/29/2011	ENV-00371-04	5190000	Int-Labor from Proj	86.28		ENV-00371-04-01
11/01/2011	ENV-00371-04	5290000	Int-Mats from Proj	788.22		ENV-00371-04-03
*	ENV-00371-04			1,072.46		
11/22/2011	ENV-00371-04-01	5195000	Act-Labor Regular	86.28	Marv L Henley	521600/P20830
*	ENV-00371-04-01			86.28		
10/11/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/12/2011	ENV-00371-04-03	5195000	Act-Labor Regular	98.98	Desiree K Pooley	521600/P20930
10/25/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	580.55		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	190.00		
10/17/2011	ENV-00371-04-03	5210500	Landscape Equ & Sup	17.67		
*	ENV-00371-04-03			986.18		
12/05/2011	ENV-00371-05	5290000	Int-Mats from Proj	30.06		ENV-00371-05-03
*	ENV-00371-05			30.06		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	27.50		
11/03/2011	ENV-00371-05-03	5210500	Landscape Equ & Sup	2.56		
*	ENV-00371-05-03			30.06		
11/01/2011	ENV-00371-07	5190000	Int-Labor from Proj	86.28		ENV-00371-07-03
12/05/2011	ENV-00371-07	5190000	Int-Labor from Proj	148.47		ENV-00371-07-03
12/05/2011	ENV-00371-07	5290000	Int-Mats from Proj	546.54		ENV-00371-07-03
*	ENV-00371-07			781.29		
10/19/2011	ENV-00371-07-03	5195000	Act-Labor Regular	86.28	Mary L Henley	521600/P20830
11/02/2011	ENV-00371-07-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	190.00		
11/07/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	17.67		
11/08/2011	ENV-00371-07-03	5210500	Landscape Equ & Sup	338.87		
*	ENV-00371-07-03			781.29		
12/29/2011	ENV-00371-10	5190000	Int-Labor from Proj	148.47		ENV-00371-10-03
12/29/2011	ENV-00371-10	5290000	Int-Mats from Proj	515.58		ENV-00371-10-03
*	ENV-00371-10			664.05		
11/23/2011	ENV-00371-10-03	5195000	Act-Labor Regular	148.47	Desiree K Pooley	521600/P20930
12/01/2011	ENV-00371-10-03	5210500	Landscape Equ & Sup	515.58		
*	ENV-00371-10-03			664.05		
11/01/2011	ENV-00371-20	5390000	Int-Srvcs from Proj	3,093.10		ENV-00371-30-01
01/17/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	7,555.41		ENV-00371-30-01
*	ENV-00371-20			10,648.51		
10/19/2011	ENV-00371-30-01	5310100	Professional Servs	3,093.10		
01/13/2012	ENV-00371-30-01	5310100	Professional Servs	7,555.41	Citizens For A Healthy Bay	
*	ENV-00371-30-01			10,648.51		
**				45,515.55		



105491

Date: October 8, 2011

Invoice: 003-2011

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

✓ 10/7/11

Contact: Jeanine Riss (253) 383-2429

RE: City of Tacoma Environmental Stewardship Project Community Assistance Program

For the periods of: July 1, 2011 to September 30, 2011

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

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

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

**Direct Labor:**

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

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				\$
Employee: Bill Anderson				
<b>Sub-Contractor Services:</b>				
<b>Labor Subtotal:</b>	_____	_____	_____	\$
<b>Task 1 Total</b>	_____	_____	_____	<b>\$0.00</b>

**Task 2: Event Management and Coordination**

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Prep for Mowitch event	7/8/11	1	\$22.75	\$ 22.75
Mowitch invasive removal event	7/9/11	6.5	\$22.75	\$147.88
Prep for Shoreline Clean Up event	7/14/11	1.5	\$22.57	\$34.13

Shoreline Clean Up meeting	7/16/11	1	\$22.75	\$22.75
Prep for Shoreline Clean Up event	7/22/11	2	\$22.75	\$45.50
Shoreline Clean Up event	7/23/11	6	\$22.75	\$136.50
Prep for Middle-CoT event	8/12/11	1	\$22.75	\$22.75
Middle-CoT invasive removal event	8/13/11	4.5	\$22.75	\$102.38
Arrange for Honey Bucket for Jordan	9/3/11	.1	\$22.75	\$2.28
Prep for Jordan event	9/9/11	1	\$22.75	\$22.75
Jordan invasive removal event	9/10/11	7	\$22.75	\$159.25

Employee: Bill Anderson \$0.00

**Sub-Contractor Services:**

EarthCorps: Restoration services/volunteer management

Jordan invasive removal event 9/10/11 \$1178.75

**Labor Subtotal:** \_\_\_\_\_ \$1897.67

**Task 2 Total** \_\_\_\_\_ **\$1897.67**

**Task 3: Volunteer Recruitment & Education**

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Update CHB & other volunteer event calendars	7/1/11	2	\$22.75	\$45.50
Update CHB & other volunteer event calendars	8/5/11	1.5	\$22.75	\$34.13
New steward recruitment meeting	8/16/11	1	\$22.75	\$22.75
Milton Days-volunteer recruitment/education	8/20/11	5	\$22.75	\$113.75
Steward site(s) tour	8/24/11	2	\$22.75	\$45.50
Maritime Fest-vol. recruitment/education	8/27/11	3	\$22.75	\$68.25

Employee:

**Sub-Contractor Services:**

**Labor Subtotal:** \_\_\_\_\_ \$329.88

**Task 3 Total** \_\_\_\_\_ **\$329.88**

**Task 4: Bi-monthly Site Monitoring Events**

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
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Employee: Jeanine Riss

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Employee:

**Sub-Contractor Services:**

Friends of the Hylebos:

**Labor Subtotal:**

\_\_\_\_\_ \$

**Task 4 Total**

\_\_\_\_\_ **\$0.00**

**Task 5: Community Assistance Program Coordination & Reporting**

**Direct Labor:**

**Date                      Hours                      Rate                      Amount Billed**

Employee: Jeanine Riss

Prep quarterly report                      7/12/11                      4                      \$22.75                      \$91.00

Prep quarterly report                      7/13/11                      3                      \$22.75                      \$68.25

Deliver quarterly report                      7/15/11                      .5                      \$22.75                      \$11.38

Prep monthly report                      8/25/11                      2                      \$22.75                      \$45.50

Prep monthly report                      8/26/11                      3.5                      \$22.75                      \$79.63

Prep monthly report                      9/1/11                      2.5                      \$22.75                      \$56.88

Prep monthly report                      9/2/11                      3                      \$22.75                      \$68.25

ESP Meeting                      9/6/11                      1.5                      \$22.75                      \$34.13

**Sub-Contractor Services:**

**Labor Subtotal:**

\_\_\_\_\_ \$455.02

**Task 5 Total**

\_\_\_\_\_ **\$455.02**

**Task 6: General Maintenance Work**

**Direct Labor:**

**Date                      Hours                      Rate                      Amount Billed**

Employee:

**Sub-Contractor Services:**

**Labor Subtotal:**

\_\_\_\_\_

**Task 6 Total**

\_\_\_\_\_

**Direct Costs:**

**Restroom facility rental:**

**Date                      Vendor                      Rate                      Amount billed**

Honey Bucket for Jordan                      Date Delivered 9/9/11                      HoneyBucket                      \$125.00                      \$125.00

**Restroom rental Sub-total:**

**\$125.00**

**Disposal expenses:**

**\$0.0**

**Event Supplies:**

Food for Mowitch event	7/9/11	\$32.78
Coffee for volunteers at Mowitch	7/9/11	\$12.95
Food for Mowitch event	7/9/11	\$10.43
Food for restoration volunteers	7/16/11	\$77.73
Food for Shoreline Clean Up event	7/20/11	\$15.87
Food for Shoreline Clean Up event	7/22/11	\$13.23
Food for Jordan event	9/10/11	\$32.78

**Event Supplies Sub-total: \$195.77**

<b>Mileage:</b>	<b>Total Miles</b>	<b>Rate</b>	<b>Amount billed</b>
Jeanine Riss	176	\$0.510	\$89.76

**Mileage Sub-total: \$89.76**

**Direct Cost Sub-total: \$410.53**

**Invoice Total \$3093.10**

As Per Contract #: PW09-0809F

**Total Contract Amount: \$84,925.24**

**Currant Balance: \$51,996.20**

**Amount Due: \$3093.10**

**Total Remaining Balance: \$48,903.10**

I hereby certify that this bill is correct and just and that payment has not been received. I further certify that all services under this contract have been performed.

By: Jeanine Riss

Date signed: 10/11/11

Title: Restoration Program Manager & Volunteer Coordinator

Organization Name: Citizens for a Healthy Bay

SS No.or Federal Tax ID No.: 91-1515969

Telephone Number: 253-383-2429

Please remit to:

Citizens for a Healthy Bay  
917 Pacific Ave. Suite 100  
Tacoma, WA 98402

Okay to Pay 10/19/11

Approver: [Signature]

PO 45-258936

51000 202452  
DS000 444 747 > 10/19



2011  
105491

Date: 1/3/12

Invoice: 004-2011

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

Contact: Jeanine Riss (253) 383-2429

RE: City of Tacoma Environmental Stewardship Project Community Assistance Program

For the periods of: October 1, 2011 to December 31, 2011

\*Include receipts, staff hours/timesheet and mileage log.  
\*\*Direct Costs category to include: mileage, restroom facility rental, disposal expense and event supplies (including food for volunteers).

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

**Direct Labor:**

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

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Prepare 2012 work plan	11/15/11	1	22.75	\$22.75
Prepare 2012 work plan	11/30/11	1	22.75	\$22.75
Employee: Bill Anderson				
Re-view 2012 work plan	11/15/11	.75	39.00	\$29.25
R-view 2012 work plan	11/30/11	.75	39.00	\$29.25
<b>Labor Subtotal:</b>	_____	_____	_____	\$104.00
<b>Task 1 Total</b>	_____	_____	_____	\$104.00

**Task 2: Event Management and Coordination**

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				

1105

Coordinate Honey Bucket for Skookum	10/12/11	.1	22.75	\$2.28
Prepare planting plan for Jordan	10/13/11	2	22.75	\$45.50
Skookum prep & pick up plants	10/14/11	3	22.75	\$68.25
Contact H. Bkts re: mis-delivery	10/14/11	.1	22.75	\$2.28
Skookum planting event	10/15/11	7	22.75	\$159.25
Tour Yowkwala w/City, event planning	11/1/11	1.5	22.75	\$34.13
Coordinate Honey Bucket for Jordan	11/1/11	.1	22.75	\$2.28
Coord. w/Fife Parks for Jordan gate access	11/1/11	.1	22.75	\$2.28
Coordinate w/EarthCorps for Jordan event	11/2/11	.25	22.75	\$5.69
Coord. w/Fife Parks	11/2/11	.1	22.75	\$2.28
Coord. H. Bkt deliver to Jordan	11/4/11	.1	22.75	\$2.28
Pick up CHB plants for Jordan	11/4/11	1	22.75	\$22.75
Jordan planting event	11/5/11	7	22.75	\$159.25
Coord. w/EarthCorps for Yowkwala event	11/9/11	.25	22.75	\$5.69
Coord. w/Tyee Marina for Yowkwala event	11/9/11	.1	22.75	\$2.28
Pick up CHB plants for Yowkwala	11/11/11	1	22.75	\$22.75
Meet plant delivery at Yowkwala	11/11/11	1	22.75	\$22.75
Yowkwala planting event	11/12/11	7	22.75	\$159.25
Prepare planting plan for Oly. View	11/18/11	1	22.75	\$22.75
Prepare planting plan for Olympic View	11/22/11	1	22.75	\$22.75
Site prep visit at Oly. View	11/23/11	.5	22.75	\$11.38
Coord. H. Bucket for Oly. View	11/30/11	.1	22.75	\$2.28
Pick up CHB plants for Oly. View	12/2/11	1	22.75	\$22.75
Meet Honey Buckets at Oly. View	12/2/11	.5	22.75	\$11.38
Coord. mulch deliver at Oly. View	12/2/11	.25	22.75	\$5.69
Olympic View planting event	12/3/11	7	22.75	\$159.25

**Sub-Contractor Services:**

EarthCorps: Restoration services/volunteer management				
Skookum planting event	10/15/11			\$1178.75
Jordan and Yowkwala planting events	11/5/11 and 11/12/11			\$2357.50
Olympic View planting event	12/3/11			\$1178.75

**Sub-contractor sub-total:** **\$4715.00**

**Labor Subtotal:** ~~\$5694.45~~ 979.45

**Task 2 Total** **\$5694.45**

**Task 3: Volunteer Recruitment & Education**

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Update CHB website & other event calendars	10/6/11	1	22.75	\$22.75
MLK Day volunteer recruitment/planning	10/13/11	.25	22.75	\$5.69
MLK Day volunteer recruitment/planning	10/25/11	.25	22.75	\$5.69
Steward training	10/27/11	1	22.75	\$22.75
Seabury School site tour of Middle Wtwy(s)	11/3/11	2	22.75	\$45.50
MLK Day volunteer recruitment/planning	11/15/11	.25	22.75	\$5.69
Update CHB website & other event calendars	12/16/11	.5	22.75	\$11.38

Planning meeting for MLK Day beach clean up  
at Yowkwala-Squally Beach

12/22/11	1	22.75	\$22.75
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**Labor Subtotal:**

_____	_____	_____	\$142.20
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**Task 3 Total**

_____	_____	_____	<b>\$142.20</b>
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**Task 4: Bi-monthly Site Monitoring Events**

**Direct Labor:**

Date	Hours	Rate	Amount Billed
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Employee: Jeanine Riss

Site visits, required month	10/20/11	2	22.75	\$45.50
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Site visits, required month	10/25/11	2.5	22.75	\$56.88
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Site visits, required month	10/27/11	2	22.75	\$45.50
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Site visits, required month	12/9/11	3.5	22.75	\$79.63
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Site visits, required month	12/13/11	1.5	22.75	\$34.13
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Site visits, required month	12/17/11	2.5	22.75	\$56.88
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Employee:

**Labor Subtotal:**

_____	_____	_____	\$318.52
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**Task 4 Total**

_____	_____	_____	<b>\$318.52</b>
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**Task 5: Community Assistance Program Coordination & Reporting**

**Direct Labor:**

Date	Hours	Rate	Amount Billed
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Employee: Jeanine Riss

Prepare quarterly report/invoice	10/8/11	3.5	22.75	\$79.63
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Prepare quarterly report/invoice	10/11/11	1.5	22.75	\$34.13
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Prepare monthly report	10/27/11	2	22.75	\$45.50
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Prepare monthly report	10/28/11	2	22.75	\$45.50
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ESP meeting	11/1/11	2	22.75	\$45.50
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Prepare monthly report	12/1/11	3.5	22.75	\$79.63
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ESP meeting	12/6/11	1.5	22.75	\$34.13
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Prepare monthly report	12/17/11	2.5	22.75	\$56.88
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Employee: Bill Anderson

Re-view quarterly report/invoice	10/11/11	2	39.00	\$78.00
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Re-view ESP meeting/monthly report	11/2/11	1	39.00	\$39.00
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Re-view ESP meeting/monthly report	12/18/11	1	39.00	\$39.00
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**Labor Subtotal:**

_____	_____	_____	\$576.90
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**Task 5 Total**

_____	_____	_____	<b>\$576.90</b>
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**Task 6: General Maintenance Work**

**Direct Labor:**

Date	Hours	Rate	Amount Billed
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Employee:

**Labor Subtotal:**

**Task 6 Total**

**Direct Costs:**

**Restroom facility rental:**

	Date	Vendor	Rate	Amount billed
	Delivered			
Skookum	10/14/11	Honey Bkt	125.00	\$125.00 ✓
Jordan	11/4/11	Honey Bkt	125.00	\$125.00 ✓
Olympic View	12/2/11	Honey Bkt	125.00	\$125.00 ✓
<b>Restroom rental Sub-total:</b>				<b>\$375.00</b>

**Disposal expenses:**

**\$0.0**

**Event Supplies:**

Food for volunteers-Jordan	11/5/11	Little Caesars		\$21.86 ✓
Food for volunteers-Yowkwala	11/12/11	Little Caesars		\$51.92 ✓
Food for volunteers-Yowkwala	11/12/11	Starbucks		\$14.15 ✓
Food for volunteers-Olympic View	12/3/11	Fred Meyers		\$4.07 ✓
Food for volunteers-Olympic View	12/3/11	Little Caesars		\$38.26 ✓
Restoration supplies (fencing) for Oly. View	12/3/11	Lowes		\$46.29 ✓

**Event Supplies Sub-total:**

**\$176.55**

**Mileage:**

Jeanine Riss

Total Miles Rate Amount billed

**Mileage Sub-total:**

**\$167.79**

**Direct Cost Sub-total:**

**\$719.34**

**Invoice Total**

Okay to Pay 1/13/12

Approver: 

**\$7555.41**

As Per Contract #: PW09-0809F

PO 45-258936

**Total Contract Amount:**

**\$84,925.24**

**Currant Balance:**

**\$48,903.10**

**Amount Due:**

**\$7555.41**

**Total Remaining Balance:**

**\$41,347.69**

\$1000 208408  
DS000457921 > 1/13