



ENVIRONMENTAL STEWARDSHIP PROJECT

YEAR 2 THIRD QUARTER REPORT

JULY 22, 2010



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 April 1, 2010 through June 30, 2010, 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 current 2009-2010 Task List that shows tasks completed, in progress, and on-going, as well as those that have not yet begun.

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 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 the Year 2 Second Quarter Report, the City entered into a contract with Citizens for a Healthy Bay (CHB) to provide for community assistance with the stewardship project. An annual work plan has been developed and a copy is included herein as Attachment 2. The City conducts monthly coordination meetings with CHB and their sub-contractor, Friends of the Hylebos (FOH), as they work on implementation of the work plan. In accordance with the contract, CHB will be 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.

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 will take 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 and the City's contract with CHB, the City is now providing stewardship of this site. 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 April 22 and June 24, with both inspections performed by CHB. Photo documentation was not required during the reporting period. Trash and invasive species removal continue to be the primary concerns at this site. Removal of some invasives and trash was performed by the WCC in April. In addition, a volunteer invasive removal event was held on June 19, with one CHB staff member and 5 volunteers participating. Approximately 150 pounds of invasive vegetation was cleared during this event and left on site to compost.

The shore pines, snowberry, and roses in the new planting area were doing very well, while the majority of the salal and the ferns from the last planting event did not survive. Dri-water or some other means of temporary irrigation and mulch may need to be considered this summer. Volunteer pickleweed was observed in the remnant marsh area. Additional plantings will be needed on site as invasive species are removed. Additional invasive removal and planting are currently scheduled for fall 2010. Much of the area occupied by invasive species is also inhabited by poison oak which makes invasive control somewhat more challenging. Quarterly monitoring data are summarized in the data spreadsheet (see Table 1 in Attachment 3).

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

- April 6 – WCC performed removal of invasives and a garbage sweep.
- June 19 – CHB conducted a volunteer invasive removal event.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

Work planned for this site in the next quarter includes bi-annual monitoring and photo documentation by the City, a volunteer shoreline cleanup event including this site conducted by CHB on July 24, and ongoing invasive species removal and garbage pickup by the WCC.

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 erosion. The majority of the work on this site will take 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 and subsequently the City's contract with CHB, the City is now providing stewardship of this site. 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 April 27 and June 25, with both inspections performed by CHB. Photo documentation was not required during the reporting period. Bank erosion and invasives removal continue to be the primary concerns at this site. Removal of some invasives and trash was performed by the WCC in April. A large section of wooden dock was found on the beach and the City and CHB will work toward removal.

Invasive species continue to be present at the south end of the site and include blackberry, ivy, morning glory, white sweet clover, and pepperweed. It is anticipated that this portion of the site will be prepped and planted in late summer and fall 2010. Many big leaf maples were found to be volunteering at the site in the north and central areas. Minimal mortality of the plants in the north uplands was noted, and some additional plants were placed on the steep slope in April. Dri-water or some other means of temporary irrigation will be considered during the summer if needed. Quarterly monitoring data are summarized in the data spreadsheet (see Table 2 in Attachment 3).

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

- April 7 – WCC performed removal of invasives and a garbage sweep and planted 112 natives on the slope.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

Work planned for this site in the next quarter includes bi-annual monitoring and photo documentation by the City, a volunteer shoreline cleanup event including this site conducted by CHB on July 24, invasive removal, and garbage pickup. In addition, CHB will be conducting a volunteer event on August 14 to remove invasives from the south uplands. Following invasive removal, the City will prepare the area for planting, install jute mat, and hydroseed. The area will be planted in fall 2010.

2.3 Squally Beach

The Squally Beach site is located on the northeast shore of Commencement Bay just north of the 11th 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 will take place in the marsh area, but some work may be 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 and subsequently the City's contract with CHB, the City is now providing stewardship of this site. 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 April 27 and June 11, with both inspections performed by CHB. Photo documentation was not required during the reporting period. Removal of invasive species remains the primary concern at the site, in particular knotweed control on the adjacent site to the northwest. Invasive removal was performed by the WCC in April, and garbage sweeps were performed in both April and June.

The roses, willow, alder, and other native species on the berm were noted to be doing very well, as well as the sedge. No new volunteer species were noted. Quarterly monitoring data are summarized in the data spreadsheet (see Table 3 in Attachment 3).

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

- April 7 – WCC performed removal of invasives and a garbage sweep.
- June 17 – WCC performed a garbage sweep.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

Work planned for this site in the next quarter includes bi-annual monitoring and photo documentation by the City, ongoing invasive species removal and garbage pickup, and knotweed injection. In addition, CHB has scheduled a volunteer event on July 10, and work is to include invasive removal, cutting and removal of exposed netting, and inspection and repair of the site fencing, as needed. A volunteer shoreline cleanup event including this site will also be conducted by CHB on July 24.

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 will take 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 and subsequently the City's contract with CHB, the City is now providing stewardship of this site. 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 April 27 and June 25, with both inspections performed by CHB. Photo documentation was not required during the reporting period. Removal of invasive species continues to be the primary concern at the site. Removal of some invasives, three goose exclusion nodes, and recycling of the metal was performed by the WCC in May.

No new volunteer or invasive species were noted. The high marsh species were doing notably well, while the majority of the species planted on the benches over the last two years do not appear to have survived. Some predation of the plantain was noted. Quarterly monitoring data are summarized in the data spreadsheet (see Table 4 in Attachment 3).

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

- May 4-6 – WCC grubbed invasives, removed three goose exclusion nodes, and recycled the metal.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

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

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 4th Street bridge. The 15.3 acres 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 will be performed in the planted riparian and marsh areas, as well as on the islands. Some work may be performed on the lower hillslope adjacent to the walking path. Access to the site is from 4th Street East or 8th 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 and subsequently the City's contract with CHB, the City is now providing stewardship of this site. The City is coordinating implementation of the overall task list with CHB and the Friends of the Hylebos (FOH) to ensure that the efforts of each entity are complementary.

Bi-monthly site visits took place on April 28 and June 14, conducted by the City and FOH, respectively. Photo documentation was not required during the reporting period. Invasive species removal and vandalism continue to be the primary concerns at this site. Invasive species present include Scotts broom, reed canary grass, blackberry, common teasel, and morning glory. No new invasive species were identified, and only strawberry was noted as volunteering at the south end of the site. Alder continue to thrive at the site and additional thinning is planned. The conifers and other natives appeared healthy, despite the overabundance of alder.

A small makeshift shelter was found at the south end of the site which needs to be dismantled. It was made with small alders cut from the site. A cottonwood tree is also down in the area, which has damaged other conifers. Damage to the information kiosk and viewing platforms is continuing, with broken plexiglass and removal of rail sections. The City of Fife has been notified of this damage. Quarterly monitoring data are summarized in the data spreadsheet (see Table 5 in Attachment 3).

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

Work planned for this site in the next quarter includes bi-annual monitoring and photo documentation by the City, garbage pickup, ongoing invasive species removal, and thinning of the alder as needed. Restoration Logistics is scheduled to work at the site August 9-11 to perform selective alder thinning throughout the site and in front of the viewing platforms to create “windows”. In addition, Restoration Logistics is schedule to work on invasive removal on the islands August 16-19 and August 23-26.

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 11th 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 will be performed in the marsh area and riparian areas. Access to this site is off of F Street or 11th 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 now continues through the ESP program 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 April 28 and June 26, with both visits conducted by CHB. Photo documentation was not required during the reporting period. Invasive species continue to be the primary concern at the site, with species present including reed canary grass, blackberry, thistle, St. John’s wort, and curled dock. No new invasive or volunteer species were noted. The WCC grubbed invasives and performed garbage sweeps during the reporting period.

The salt grass and pickleweed were noted as coming in and doing well in most areas. One hundred additional plants were added along F Street and in the side riparian area adjacent to the substation. Dri-water or other means of temporary irrigation will be considered later in the summer if needed for the new plantings. Quarterly monitoring data are summarized in the data spreadsheet (see Table 6 in Attachment 3).

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

- April 7 – WCC grubbed invasives and planted 100 native plants.
- April 28 – WCC performed an invasive sweep.
- June 3 – WCC performed invasive removal and a garbage sweep.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

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

2.7 Middle Waterway, Simpson

The Middle Waterway, Simpson site is located on the east side and the head of the Middle Waterway near 11th 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 will take place in the beach areas, however, most of the invasive species removal will occur 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 and subsequently the City's contract with CHB, the City is now providing stewardship of this site. 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 April 28 and June 26, with both inspections performed by CHB. Photo documentation was not required during the reporting period. Invasive removal and additional plantings are the primary concerns at the site. The WCC grubbed invasives from the site and also performed a garbage sweep. No new invasive or volunteer species were noted. It was noted that some of the madrone near the North Beach may be stressed, along with some of the shrubs in the area.

This site was the location of an Earth Day event coordinated by CHB on April 17. Pickleweed (2,200), Dune grass (995), gumweed (150), and seacoast bulrush (100) were planted by 116 volunteers, 6 EarthCorps employees, and 5 CHB staff. Invasive removal was also performed at the event. Educational displays were available along with free trees and TAGRO potting mix for the volunteers. Following the event, the WCC and CHB installed goose exclusion fencing. Subsequent inspection found that most of the April plantings were doing well. Quarterly monitoring data are summarized in the data spreadsheet (see Table 7 in Attachment 3).

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

- April 7 – WCC installed rebar for new goose exclusion in preparation for planting.
- April 17 – CHB conducted an Earth Day event including invasive removal, planting and public education.
- April 29 – WCC built remaining goose exclusion for new planting.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

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

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 will take place on the upper beach/riparian area. Access to this site will be from the end of East F Street near Foss Maritme.

The Olympic View project that included both cleanup and restoration 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. 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 April 30 and June 26, with both inspections performed by CHB. Photo documentation was not required during the reporting period. Invasive removal remains as the primary concern at this site. Invasive species present include St. John's wort, blackberry, tansy ragwort, poison hemlock, and pepperweed. The WCC performed invasive removal and garbage pickup. No new volunteer or invasive species were noted. The interpretive sign was moved since the adjacent slope was eroding and threatening to undermine the sign.

Most of the native species were found to be in good condition. A few plants were identified as possibly being stressed. The City relayed this information to DNR for their information since they are continuing to perform monitoring and maintenance in their portion of the site. Temporary irrigation may be needed at the site this summer, which the City will also coordinate with DNR. Quarterly monitoring data are summarized in the data spreadsheet (see Table 8 in Attachment 3).

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

- April 6 and 28 – WCC moved interpretive sign and removed invasive species.
- June 1 – WCC grubbed invasives.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

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

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 will occur within this 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 now continue through the ESP program 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 April 25 and June 23, with both inspections conducted by CHB. Photo documentation was not required during the reporting period. Invasive removal continues to be the primary concern at the site. Invasive species present include reed canary grass, blackberry, vetch, and thistle. It was noted that some brush cutting around the shrubs and trees was needed. Invasive removal was performed by the WCC. No new volunteer or invasive species were noted. In addition, a volunteer invasive removal event was held on June 5, with two CHB staff member and 9 volunteers participating. Approximately 300 pounds of invasive vegetation was cleared during this event and was later removed for disposal by the WCC.

A number of juvenile fish were observed near the outflow and into the marsh during the April site visit. The salt grass and pickleweed in the marsh area were noted as doing well, and the shore pine were also doing well and showed good spring growth. Dri-water or other means of temporary irrigation may be considered as needed this summer. Quarterly monitoring data are summarized in the data spreadsheet (see Table 9 in Attachment 3).

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

- April 5 – WCC crew removed invasives.
- June 5 – CHB conducted a volunteer event for invasive removal.
- June 14 – WCC crew removed invasives.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

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

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 will take 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 now continue through the ESP program 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 April 28 and June 25, with both inspections conducted by CHB. Photo documentation was not required during the reporting period. Invasive species continue to be the primary concern at this site. Invasive species present include Herb Robert, nightshade, poison hemlock, blackberry, vetch, morning glory, reed canary grass, dames rocket, touch-me-not, thistle, scotts broom, and curled dock. No new invasive or volunteer species

were noted. Invasive removal by the WCC is ongoing, with particular attention to the nightshade, blackberry, hemlock, and dames rocket. A garbage sweep was also conducted by the WCC. In addition, a volunteer invasive removal event was held on May 1, with one CHB staff member and 28 volunteers participating. Approximately 200 pounds of invasive vegetation was cleared during this event.

Additional shrubs and trees planted in the area at the north end where invasive species had been removed are doing well. Plant damage by beavers continues to be noted in some areas. Dri-water or another system of temporary irrigation will be considered as needed this summer. Quarterly monitoring data are summarized in the data spreadsheet (see Table 10 in Attachment 3).

The contractor performing demolition of the building on the adjacent property has dumped some debris on site and has damaged the chain fence. The City contacted Bill Sullivan with the Puyallup Tribe to bring this issue to his attention.

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

- April 5 and 29 – WCC crew performed invasive removal and a garbage sweep.
- May 1 – CHB conducted a volunteer event for invasive removal.
- June 2, 3, 14, 15, 16, and 22 – WCC crew grubbed invasives.

See below for a summary of WCC, CHB, FOH, EarthCorps and volunteers hours worked at this site during the reporting period

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

Site	WCC (hours)	CHB (hours)	FOH (hours)	EarthCorps (days)	Volunteer (hours)
Yowkwala	4	8			24
Skookum Wulge	2				
Squally Beach	6	2			
Mowitch	17				
Jordan/Lower Hylebos Marsh			2		
Middle Waterway – City	16				
Middle Waterway – Simpson	3	19		1	610
Olympic View	13	1			
Tahoma Salt Marsh	5	8			48
Swan Creek	45	9			161

3.0 Financial Summary

Financial information documenting the City's costs for each task performed April 1, 2010 through June 30, 2010 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 between April 1, 2010 and June 30, 2010:

Task 1	Project Management	\$1,335.74
Task 2	Reporting and Documentation	\$869.38
Task 3	Site Monitoring	\$188.53
Task 4	Site Maintenance*	\$7,186.50
Task 5	Adaptive Management	\$153.42
	General Maintenance and Monitoring	<u>\$0.00</u>
Year 2, Quarter 2 Total		\$9,733.57
Life-to-Date (06/30/10) Total		\$68,648.15

* Based on 2010 WCC crew rate of \$48.08/hr

Attachment 1

2009-2010 Task List

Environmental Stewardship Project
2010 Proposed Task List

Site	Category	Zone	Task Description	Priority 1,2,3	Timing Spr, S, F, W
Yowkwala	Invasive Species	Beach/Backshore	Control Pepperweed population	1	Spr, F
Yowkwala	Invasive Species	Beach/Backshore	Remove additional invasive species as directed. Species present include butterfly bush, poison oak, blackberry, pampas grass, Scotch broom and dock.	1	On-going
Yowkwala	Human Impacts	Hillslope	Regrade, mulch and plant social trail from treeline down to beach.	2	F
Yowkwala	Supplemental Planting	Backshore	Increase plant diversity of backshore areas	2	F
Yowkwala	Supplemental Planting	Backshore	Remove invasives and replant burned area	2	F
Yowkwala	Human Impacts	Beach	Dismantle/Remove beach "party house"	3	Tide related
Skookum Wulge	Invasive Species	Backshore	Control Pepperweed population	1	Spr, F
Skookum Wulge	Invasive Species	Uplands	Remove additional invasive species as directed. Species present include blackberry, knotweed, nightshade, morning glory, and ivy.	1	S,F
Skookum Wulge	Supplemental Planting	Uplands	Place topsoil as needed following invasive removal and prior to planting.	1	F
Skookum Wulge	Supplemental Planting	Uplands	Provide erosion control, and replant with native species. Possible use of dri-water for irrigation.	1	F,Spr
Skookum Wulge	Fencing	Uplands	Place perimeter fencing (chain and bollard) following replanting of upland areas to help prevent dumping.	1	F, W
Skookum Wulge	Erosion	Beach/Uplands	Create conceptual design and estimate for placement of LWD on beach in front of erosional areas	2	S
Skookum Wulge	Supplemental Planting	Backshore Embayment	Enhance beach plant community	3	Spr
Squally Beach	Invasive Species	Marsh/Islands	Control Pepperweed population	1	Spr, F
Squally Beach	Invasive Species	Woods/Alder Grove	Remove additional invasive species as directed. Species present include knotweed and blackberry	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	S, 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	Human Impacts	Marsh	Cut and remove exposed fish netting to the extent it will not damage plants during removal.	3	F, Spr
Squally Beach	Supplemental Planting	Islands	Plant islands with high marsh species	3	Spr
Squally Beach	Supplemental Planting	Woods/Alder Grove	Enhance riparian area with additional tree/shrub planting	3	F
Mowitch	Invasive Species	Riparian F1-F7	Control Pepperweed population	1	Spr, F
Mowitch	Invasive Species	Riparian F1-F7	Remove additional invasive species as directed. Species present include phragmites, birds-foot trefoil, and St. John's Wort.	1	On-going
Mowitch	Invasive Species/Plant	Riparian F1-F7	Weed and spot mulch around native plants in the riparian area	2	F
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	On-going
Mowitch	Supplemental Planting	Riparian F1-F7	Enhance riparian area by planting both native shrubs and canopy species	2	F
Mowitch	Supplemental Planting	Marsh	Expand planting areas on the islands with the successful salt marsh species	2	Spr
Mowitch	Fencing	Riparian F-1	Install gate to property	3	
Mowitch	Human Impacts	Marsh	Cut and remove exposed fish netting to the extent it will not damage plants during removal.	3	F, Spr
Jordan	Invasive Species	Marsh	Control purple loosestrife population	1	S
Jordan	Invasive Species	Riparian	Continue to keep blackberry at bay to the north of restored area (i.e. on side of trail away from creek)	1	W, Spr
Jordan	Invasive Species	Marsh/Uplands	Remove additional invasive species as directed. Species present include reed canary grass and blackberry. C	1	On-going
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 - Sim	Invasive Species	Uplands	Remove invasive species as directed. Species present include pea, St. John's Wort, and blackberry.	1	On-going
Middle Waterway - Sim	Mulch	North Bank/SouthBank	Mulch riparian area focusing on the newest of plantings.	2	F, W
Middle Waterway - Sim	Supplemental Planting	North Bank/SouthBank	Plant riparian area with both shrubs and trees	2	F
Middle Waterway - Sim	Fencing/Supplemental	Sandspurry Beach	Extend goose exclusion and plant new salt marsh areas	2	Spr
Middle Waterway - City	Invasive Species	Riparian	Remove invasive species as directed. Species present include white sweet clover, butterfly bush, pampas grass, nightshade, blackberry, reed canary grass, and spotted knapweed.	1	On-going
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	Riparian	Cut vegetation back 3-6 feet from sidewalks on East 11th St.	3	Spr

Environmental Stewardship Project
2010 Proposed Task List

Olympic View - City/DN	Invasive Species	Riparian/Beach	Control Pepperweed population	1	Spr, F
Olympic View - City/DN	Invasive Species	Riparian/Beach/Triangle perimeter	Remove additional invasive species as directed. Species present include tansy ragwort, burdock, nightshade, blackberry, St. John's Wort, and white sweet clover	1	On-going
Olympic View - City/DN	Plant Vigor	Riparian/Triangle	Thin out cottonwood. Possibly transplant to front of Capital warehouse walkway	1	F
Olympic View - City/DN	Supplemental Planting	Riparian	Add to riparian species diversity and area	2	F
Olympic View - City/DN	Supplemental Planting?	Beach/Marsh	Watch salt marsh plantings - may need additional plantings if survivability is low	1	Spr, F
Olympic View - City/DN	Erosion	Beach/Marsh	Monitor sedimentation/erosion in salt marsh and beach shift	2	S, W
Tahoma Salt Marsh	Invasive Species	Marsh	Control Pepperweed population	1	Spr, F
Tahoma Salt Marsh	Invasive Species	Riparian	Remove additional invasive species as directed. Species present include tansy ragwort, nightshade, blackberry, and thistle	1	On-going
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	Add plant diversity to salt marsh area	2	Spr
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	On-going
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
All Sites	General		Cover rebar tops with caps	1	On-going
All Sites	General		Re-establish photopoint monitoring locations as needed with GPS	1	On-going
All Sites	General		Garbage pickup (in accordance with SOW)	1	On-going
All Sites	General		Locate marsh stock suppliers	2	On-going
All Sites	General		Clean signs as needed	2	On-going

Color Legend:

Ongoing
Planned
Completed
Not Begun

Attachment 2

CHB Work Plan

Commencement Bay Stewardship Partners 2010 Work Plan

April 1, 2010 through December 2010

Environmental Stewardship Project Restoration Sites

Month week of	Middle Wtrwy Simpson	Middle Wtrwy City	Tahoma Salt Marsh	Olympic View City/DNR	Mowitch	Squally Beach	Skookum Wulge	Yowkwala	Swan Creek	Jordan/Hylebos Creek
April										
5		Pepperweed sweep	Pepperweed sweep	Pepperweed sweep	Pepperweed sweep	Pepperweed sweep	Pepperweed sweep	Pepperweed sweep	Pepperweed sweep	
12	CHB's Earth Day proj.- plant dune grass in backshore, plant pickleweed (if avail.) Sandspurry Beach, invasive sweep, plant ground cvr, trash pick up CHB, EC, V April 17									
19										
26									Mulching new plantings, RCG Treatment (island), and invasive removal, nootka rose, oregon grape planting May 1 CHB,EC, V	April 27, 28, 29 Invasive Sweep record % of site covered, # of people, and number of hours
May										
3										
10										May 10,11,12 Invasive Sweep and garbage sweep - record % of site covered, # of people, and # of hours
17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	Garbage sweep WCC, wk of May 17	
24										
31										
June										
7			Invasive removal and trash pick up CHB, V June 5			Inject invasive species, WCC, wk of June 21	Inject invasive species, WCC, wk of June 21		Inject invasive species, WCC, wk of June 21	
14								Invasive removal and trash pick up CHB, V June 19		
21										Invasive sweep - WCC June 21, 22 Rest. Logistics to thin alders (3 days) date to be determined
28										
July										
5						Invasive removal, cut & remove exposed netting, inspect fencing & repair as needed CHB, EC, V July 10				

Commencement Bay Stewardship Partners 2010 Work Plan

April 1, 2010 through December 2010

Environmental Stewardship Project Restoration Sites

Month week of	Middle Wtrwy Simpson	Middle Wtrwy City	Tahoma Salt Marsh	Olympic View City/DNR	Mowitch	Squally Beach	Skookum Wulge	Yowkwala	Swan Creek	Jordan/Hylebos Creek
12										Invasive sweep WCC wk of July 12
19								3rd Annual Shore-line Clean Up: from Yowkwala to Squally Beach CHB, V July 24		
26										
August										
2										
9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9 Invasive removal So. Uplands, CHB EC, V August 14	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9	Garbage sweep, WCC wk of Aug 9 and purple loosestrife
16							Wcc continue invasive removal on steep area.			
23							Dirt work, jute mat and hydro City S&G			
30										
September										
6					Invasive sweep WCC, wk of Sept 6	Invasive sweep WCC, wk of Sept 6		Invasive sweep WCC, wk of Sept 6	Maintenance newly planted area, WCC wk of Sept 6	
13										
20										Invasive sweep WCC wk of Sept 20
27										
October										
4								Invasive sweep entrance to site & along access road; supplemental planting at entrance; begin planting backshore/trail CHB, EC, V Oct 9		
11								WCC finish planting backshore/trail wk of Oct 11		
18		Riparian area planting - nootka rose near marine repair and mulch newly planted behind substation plus plant more parallel to F St. EC, V October 23								Prepare slopes on E. side for planting WCC wk of Oct 18
25							Plant, mulch S. uplands and backshore CHB, EC, V Oct 30			Plant slopes -WCC wk of Oct 25, FOH, V Invasive sweep WCC wk of Oct 18; planting to be done by FoH & V (see below)

Attachment 3

Data Tables

Table 1
ESP Site Record

ESP Site Record: Yowkwala		8/6/09	10/8/09	12/3/09	2/9/10
Observational Categories					
Human Impacts	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 sign of recent activity. Minor high tide line floatables
Erosion	none noted	none noted	none noted	none noted	none noted
Weeds	Heavy along immediate shoreline area - butterfly bush, pepperweed, blackberry, scott'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. Some removal at the north end of site. Curled dock added
Fencing	n/a	n/a	n/a	n/a	n/a
Plantings	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)	Plants at south end of site look good (however, dormant)
Flora	Beach plants having most success		gumweed, dune grass, black raspberry noted at N. end of site	Poison oak limits volunteer opportunities	Poison oak limits volunteer opportunities
Fauna	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	some Avian species, dog, gulls, fish, sea lions, crow
Photo-documentation	Taken	Not taken	Not taken	Taken	Taken

* Limited access due to unsigned access agreement.

Table 1
ESP Site Record

ESP Site Record: Yowkwala		
Observational Categories	4/22/10	6/24/10
Human Impacts	No recent activity noted; slight amount of trash	Very little trash noted since volunteer event recently occurred
Erosion	None noted	Minor erosion at hillside
Weeds	Previous invasives still noted; thistle added	Previous invasives still noted
Fencing	n/a	n/a
Plantings	Blackberry regrowth was noted in the planted area; plants small but alive	Generally good survival from spring/fall plantings, but some did not survive
Flora	Plants look good; starting to flower and leaf out	Some patches of pickleweed in marsh area
Fauna	Little wildlife activity was noted	Crows, bluebird, crane, seagulls, other avian species
Photo-documentation	Not taken	Not taken

Table 2
ESP Site Record

ESP Site Record: Skookum Wulge		8/6/09	10/8/09	12/3/09	2/9/10
Observational Categories		Minor trash	none noted	none noted	none noted
Human Impacts					
Erosion		Point continues to erode due to wave action	same	same	Point has eroded significantly since the last visit
Weeds		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
Fencing		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
Plantings		Planned for October 2009	Planned for November 7	Half of site planted November 7 with mulch - plants look good, survival high	Still looks good
Flora		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.
Fauna		Avian species noted	Avian species	Ducks, gull	crow, gull
Photo-documentation		Taken	Not taken	Not taken	Taken
* Limited access due to unsigned access agreement.					

Table 2
ESP Site Record

ESP Site Record: Skookum Wulge		
Observational Categories	4/27/10	6/25/10
Human Impacts	Minimal trash; car bumper in marsh area; old wood dock on beach	Minimal trash; old wood dock remains on beach
Erosion	Embankment erosion is continuing	Embankment continues to erode
Weeds	Blackberry and vetch	Same plus curled dock, white sweet clover, and wild pea
Fencing	Silt fence can be removed; not connected in some sections	Silt fence can be removed; continuing to fall down in places
Plantings	Minimal plant mortality from fall 2009 planting	Some Oregon grape from fall 09 planting not doing well
Flora	Generally healthy; bluebells, quince, red flowering currant, and dune grass volunteering; sword ferns showing some stress	Generally healthy; volunteer big leaf maple, soft stem rush, and fireweed
Fauna	None noted	Immature eagle offshore
Photo-documentation	Not taken	Not taken

Table 3
ESP Site Record

ESP Site Record: Squally Beach		8/6/09	10/8/09	12/3/09	2/9/10
Observational Categories		Clearing from sign to marsh opening	Dumped oyster shells	Adjacent site cleared of blackberry	none noted
Human Impacts					
Erosion		Minor - not significant	minor	minor	Minor at fence line
Weeds		Minor Blackberry and pepperweed. Knotweed to the north continues to be encroachment concern.	Cord grass identified Knotweed on adjacent site injected in September	Cord grass identified and targeted for removal	Cordgrass removed, knotweed injected and areas will be monitored.
Fencing		Perimeter fencing is good. Wood debris exclusion fencing needs repair (approx. 30')	Fencing still needs repair	Fencing has been repaired. Post now bent	Fencing down and post out. Needs more repair
Plantings		none noted	Plants previously cut near the ed sign - coming back with vigor	none noted	no recent plantings
Flora		All species doing well	same	same	same
Fauna		Avian species noted	none noted	gulls, crow	gull
Photo-documentation		Taken	Not taken	Not taken	Taken
* Limited access due to unsigned access agreement.					

Table 3
ESP Site Record

ESP Site Record: Squally Beach		4/27/10	6/11 and 6/25/10
Observational Categories			
Human Impacts			Foot bridge laid across west marsh; a large amount of cardboard fruit boxes with rotting fruit present; other minor trash
Erosion		Minimal trash None noted	None noted
Weeds		Lots of blackberry and dandelion regrowth on berm knotweed, broadleaf plantain, and some vetch	Same species noted, plus St. John's wort, curled dock white sweet clover, and wild pea
Fencing		Fencing still down and needs repair or removal	Fencing still needs repair or removal
Plantings		No recent plantings	No recent plantings
Flora		Generally healthy, as before	Generally healthy with some drought stress and some animal damage
Fauna		Canada geese scat	Crabs, bird feathers, seashells
Photo-documentation		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
Human Impacts	note noted	none noted - minor trash	none noted	minor
Erosion	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
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
Plantings	none noted	snowberry, rose, cares lygnbyei, goose tongue all doing well	rose doing well. More conifers in the riparian area	rose carex lyngbeii, shore pine doing well.
Flora	Volunteer pickleweed noted	Jaumea, brass buttons	no new noted	no new noted
Fauna	Avian species noted	ducks	Mallard ducks	ducks, gulls
Photo-documentation	Taken	Not taken	Not taken	Taken
* Limited access due to unsigned access agreement.				

Table 4
ESP Site Record

ESP Site Record: Mowitch		
Observational Categories	4/27/10	6/25/10
Human Impacts	Minimal trash	Minor trash
Erosion	None noted	None noted
Weeds	Blackberry regrowth, thistle, reed canary grass, vetch, wild anise, and tansy noted in areas	Same, plus wild fennel, curled dock, and white sweet clover
Fencing	Fence in excellent shape	No change
Plantings	Several rose bushes and unidentified shrub with lichen on branches	Spring 09 plantings on benches do not appear to have survived; others doing well
Flora	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	Plants look good, as before; some predation on plantain noted
Fauna	Canada geese and ducks	Evidence of geese nesting
Photo-documentation	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
Human Impacts	Minor trash - recreational trail use	Small sign removed	none noted	none noted
Erosion	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
Fencing	Platform structures intact	same	same	same
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.
Flora	All species are doing well	same	same	lots of buds, indian plum leafing out
Fauna	Beaver evidence. Avian species noted	avian species, heron, others (?)	chickadee, wren, ducks, dog	beaver
Photo-documentation	Taken	Not taken	Not taken	Taken

Table 5
ESP Site Record

ESP Site Record: Jordan		
Observational Categories	4/28/10	6/14/10
Human Impacts	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	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
Erosion	None noted	None noted
Weeds	Invasive species noted include scott's broom, reed canary grass, and blackberry	Same as before, plus field bindweed and common teasal
Fencing	Damage to middle viewing platform	Same as before
Plantings	No recent plantings	No recent plantings
Flora	Alder thriving, other plants doing well; some strawberry volunteering at south end	Native plantings doing well despite overabundance of alder; once alder thinning has occurred, replant with shrubs and groundcover; some beaver damage to alders noted
Fauna	Avian species, beaver evidence, ducks	None noted
Photo-documentation	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
Human Impacts	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
Erosion	Non-significant	not noted	not noted	minor
Weeds	Small areas of knapweed, blackberry, nightshade, pampas grass, butterfly bush, white sweet clover	no new noted	no new noted	More pampas grass noted
Fencing	Perimeter fencing intact	same	same	same
Plantings	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
Flora	Jaumea spreading	Volunteer birch, oak	same	no new noted
Fauna	Avian species noted	small avian species, bunny, gulls, crow	small avian species, ducks, geese	Bunny, dog, gulls
Photo-documentation	Taken	Not taken	Not taken	Taken

Table 6
ESP Site Record

ESP Site Record: Middle Waterway, City		
Observational Categories	4/28/10	6/26/10
Human Impacts	Minor trash; appears someone may have planted irises near the boat facility	Same as before
Erosion	Same as before	Same as before
Weeds	Reed canary grass, curled dock, thistle, blackberry, and St. John's wort noted	Same as before, plus oxeye daisy and plantain
Fencing	Same as before	Same as before
Plantings	No recent plantings	No recent plantings
Flora	Plants appear generally healthy; lupine, vine maple, wild pea, salmonberry, willows, pickleweed, and saltgrass doing notably well; horsetails are volunteering and doing well	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
Fauna	Rabbit and geese	Dead rodent, monarch butterflies, and dragonfly
Photo-documentation	Not taken	Not taken

Table 7
ESP Site Record

ESP Site Record: Middle Waterway, Simpson				
Observational Categories	8/12/09	10/21/2009*	12/10/09	2/3/10
Human Impacts	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
Erosion	none noted	none noted	small area noted in transition area b/t riparian and marsh - exposing metal piece	minor
Weeds	minor pea, st. john's wort, blackberry	no new noted	sumac, pampas grass	pampas grass removed
Fencing	n/a	n/a	n/a	same
Plantings	50%? Mortality due to weather/heat stress	none noted	May need fill-in shrubs or dune grass at toe	Planting planned for spring 2010
Flora	Dry Rose doing well	not noted		no new noted
Fauna	Avian species noted	avian species, gulls	ducks, geese, small avian species	gulls, geese, small avian species, sparrow
Photo-documentation	Taken	Not taken	Not taken	Taken

Table 7
ESP Site Record

ESP Site Record: Middle Waterway, Simpson		
Observational Categories	4/28/10	6/26/10
Human Impacts	Minimal trash; some dog prints on site	Minimal trash
Erosion	Same as before	Same as before
Weeds	Same as before	Same as before, plus possible black medic
Fencing	n/a	No perimeter fencing; goose exclusion fencing in good condition
Plantings	Some saltgrass plantings are partially exposed due to tidal impacts; pickleweed appears healthy	Same as before; still doing generally well
Flora	Generally healthy; a few trees, particularly madrone, appear stressed; saltgrass is spreading, lupine growing, and pickleweed doing well	Generally healthy, as before
Fauna	Rabbit and goose scat	Rabbit, crows, monarch butterflies, and avian species
Photo-documentation	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
Human Impacts	none noted	Bricks uncovered by tidal push of gravels	none noted	none new noted
Erosion	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
Weeds	Heavy population of invasives along perimeter goose exclusion	same	Pepperweed, poison hemlock, mustard, blackberry, nightshade removal	St. John's wort
Fencing	Good condition	same	same	same
Plantings	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
Flora	Rose doing well	Some heat stress noted. Fungal disease/aphids (?) noted	all riparian doing well	Bunny predation on snowberry
Fauna	Avian species noted. Rabbits and fish also noted	bunny	ducks, gulls, small avian species	bunny, duck, gulls
Photo-documentation	Taken	Not taken	Not taken	Taken

Table 8
ESP Site Record

ESP Site Record: Olympic View, City/DNR		
Observational Categories	4/30/10	6/26/10
Human Impacts	Minor trash	Minor trash
Erosion	Minor erosion; sign has been moved	Minor erosion
Weeds	Same as before, plus tansy ragwort	Same as before plus possible knotweed
Fencing	Minor repair needed on south fence; goose exclusion in good condition	Same as before
Plantings	Same as before; limited growth in salt marsh area	Generally same as before, although majority of recently planted maples are showing stress
Flora	Generally in good condition; only very minor damage/predation noted	Same as before; two young spruce leaning heavily
Fauna	Nesting geese plus gulls, heron	Geese, nesting gulls
Photo-documentation	Not taken	Not taken

Table 9
ESP Site Record

ESP Site Record: Tahoma Salt Marsh				
Observational Categories	8/12/09	10/21/09	12/3/09	2/3/10
Human Impacts	Continued vandalism to sprinkler system. Minor trash	none noted	none noted minor trash	none noted
Erosion	Some noted associated with logs and mouth	same	same	same
Weeds	Small areas of tansy, nightshade, blackberry, thistle	birds foot trefoil and pea on plants	Thistle removed on island Tansy still spotty throughout	none new noted
Fencing	Good condition	Chinese Reconciliation Park filling has removed fencing on North side	same	same
Plantings	Dry Could use some additional plants on the island.	Plantings proposed for island	Mulching event planned for December 12	Red flowering currant and OR grape showing color. Plantings planned for the island and few in the riparian areas spring 2010.
Flora	Doing well. Salt marsh plants filling in slowly.	same	Sprinklers to be turned off next summer	Sprinklers set to be off
Fauna	Avian species noted. Rabbit	Beaver, killdeer, geese	geese, small avian species	geese
Photo-documentation	Taken	Not taken	Not taken	Taken

Table 9
ESP Site Record

ESP Site Record: Tahoma Salt Marsh		
Observational Categories	4/25/10	6/23/10
Human Impacts	Minor trash	Minor trash
Erosion	None noted	Minimal erosion caused by broken sprinkler
Weeds	Blackberry, vetch, thistle, and reed canary grass	Same as before
Fencing	Same	Same as before
Plantings	Pickleweed and saltgrass doing well	Newly planted vine maples look good
Flora	Generally healthy; a few plants appear stressed	Same as before
Fauna	Juvenile fish, deer tracks, seagull carcass	Deer tracks and evidence of deer predation, sandpipers
Photo-documentation	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
Human Impacts	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
Erosion	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
Weeds	Heavy areas of blackberry and reed canary grass. Minor areas of scott'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
Fencing	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
Plantings	Minor damage by beaver.	Good survivability at North end slope	Plantings planned for next Spring on slope areas
Flora	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.
Fauna	Beaver. Avian species noted	Great Blue Heron, small avian species, ducks	Dead salmon noted in stream, deer, beaver, hooded merganser
Photo-documentation	Taken	Not taken	Not taken
			2/3/10 Cut/broken vegetation due to trail use.
			Stream turbidity noticed due to heavy rain
			nightshade and poison hemlock
			Fence repaired
			same
			Indian plum, red flowering currant, and OR grape showing color
			beaver
			Taken

Table 10
ESP Site Record

ESP Site Record: Swan Creek		4/28/10	6/25/10
Observational Categories		Some trash, particularly near LRSS	Minor trash; debris on site from demolition of adjacent LRSS
Human Impacts			
Erosion		None noted	None noted
Weeds		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
Fencing		Good condition	Fence damaged during demolition of adjacent LRSS; notified Bill Sullivan
Plantings		Plantings are doing well	Oregon grape and ocean spray doing well
Flora		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
Fauna		Ducks, snake	Ducks
Photo-documentation		Not taken	Not taken

Attachment 4

Financial Summary

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,335.74	\$0.00	\$0.00	\$1,335.74
Reporting and Documentation (-02)	\$869.38	\$0.00	\$0.00	\$869.38
Sub Total*	\$2,205.12	\$0.00	\$0.00	\$2,205.12
Site Monitoring (-xx-01)	\$188.53	\$0.00	\$0.00	\$188.53
Site Maintenance (-xx-02)	\$0.00	\$1,849.62	\$0.00	\$1,849.62
WCC Crew (\$48.08/hr)	\$5,336.88	\$0.00	\$0.00	\$5,336.88
Adaptive Maintenance (-xx-03)	\$153.42	\$0.00	\$0.00	\$153.42
General Maintenance and Monitoring (-30)	\$0.00	\$0.00	\$0.00	\$0.00
Sub Total	\$5,678.83	\$1,849.62	\$0.00	\$7,528.45
Grand Total	\$7,883.95	\$1,849.62	\$0.00	\$9,733.57

* Total can not exceed \$29,535.

Life to 06/30/10

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$10,939.29	\$323.12	\$0.00	\$11,262.41
\$5,456.38	\$0.00	\$0.00	\$5,456.38
\$16,395.67	\$323.12	\$0.00	\$16,718.79
\$3,852.30	\$0.00	\$0.00	\$3,852.30
\$1,080.16	\$3,276.37	\$0.00	\$4,356.53
\$31,769.80	\$0.00	\$0.00	\$31,769.80
\$7,117.29	\$2,626.47	\$0.00	\$9,743.76
\$1,416.96	\$790.01	\$0.00	\$2,206.97
\$45,236.51	\$6,692.85	\$0.00	\$51,929.36
\$61,632.18	\$7,015.97	\$0.00	\$68,648.15

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,335.74	\$0.00	\$0.00	\$1,335.74

Life to 06/30/10

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$10,939.29	\$323.12	\$0.00	\$11,262.41

Layout
 Object ENV-00371
 Cost Element 5190000 To 5490000
 Posting Date 04/01/2010 To 06/30/2010

Doc. Date	Object	Cost Elem.	Cost Elem. name	Val. in FC	Empl./appl. name	Partner object
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	345.00		ENV-00371-01
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	511.40		ENV-00371-01
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	613.68		ENV-00371-02
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	57.50		ENV-00371-01
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	306.84		ENV-00371-01
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-02
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	86.25		ENV-00371-07
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-10
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-13
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	51.14		ENV-00371-01
06/23/2010	ENV-00371	5190000	Int-Labor from Proj	115.00		ENV-00371-01
06/23/2010	ENV-00371	5190000	Int-Labor from Proj	153.42		ENV-00371-02
05/05/2010	ENV-00371	5290000	Int-Mats from Proj	13.04		ENV-00371-10
05/05/2010	ENV-00371	5290000	Int-Mats from Proj	377.08		ENV-00371-13
06/02/2010	ENV-00371	5290000	Int-Mats from Proj	814.25		ENV-00371-09
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	197.83		ENV-00371-04
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	99.46		ENV-00371-08
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	75.73		ENV-00371-09
05/05/2010	ENV-00371	5490000	Int-Misc from Proj	60.88		ENV-00371-06
06/23/2010	ENV-00371	5490000	Int-Misc from Proj	14.89		ENV-00371-04
06/23/2010	ENV-00371	5490000	Int-Misc from Proj	8.46		ENV-00371-08
				4,208.69		
03/30/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
04/06/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
04/08/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
04/22/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
04/06/2010	ENV-00371-01	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/13/2010	ENV-00371-01	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/20/2010	ENV-00371-01	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
05/13/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
05/04/2010	ENV-00371-01	5195000	Act-Labor Regular	306.84	Desiree K Pooley	521600/P20930
06/08/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Marv L Henlev	521600/P20830
				1,335.74		
04/01/2010	ENV-00371-02	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/22/2010	ENV-00371-02	5195000	Act-Labor Regular	409.12	Desiree K Pooley	521600/P20930
04/29/2010	ENV-00371-02	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
06/08/2010	ENV-00371-02	5195000	Act-Labor Regular	153.42	Desiree K Pooley	521600/P20930
				869.38		
06/23/2010	ENV-00371-04	5290000	Int-Mats from Proj	197.83		ENV-00371-04-03
06/23/2010	ENV-00371-04	5490000	Int-Misc from Proj	14.89		ENV-00371-04-03
				212.72		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	6.55		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	70.40		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	0.89		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	9.60		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	18.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	1.67		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	65.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	6.05		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	18.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	1.67		
06/09/2010	ENV-00371-04-03	5413000	Postage Expense	1.27		
06/09/2010	ENV-00371-04-03	5413000	Postage Expense	13.62		
				212.72		

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

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

04/01/10 through 06/30/10

Life to 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Reporting and Documentation (-02)	\$869.38	\$0.00	\$869.38

Personnel Service	Supplies & Service	Grand Total
\$5,456.38	\$0.00	\$5,456.38

Layout
 Object
 Cost Element
 Posting Date

/1SAP
 WBS ENV-00371
 5190000 To
 04/01/2010 To

5490000
 06/30/2010

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

CHANGE

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in RC	Emply./appi.name	Partner object
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	345.00		ENV-00371-01
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	511.40		ENV-00371-01
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	613.68		ENV-00371-02
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	57.50		ENV-00371-01
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	306.84		ENV-00371-01
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-02
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	86.25		ENV-00371-07
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-07
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-10
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	51.14		ENV-00371-13
06/23/2010	ENV-00371	5190000	Int-Labor from Proj	115.00		ENV-00371-01
06/23/2010	ENV-00371	5190000	Int-Labor from Proj	153.42		ENV-00371-02
05/05/2010	ENV-00371	5290000	Int-Mats from Proj	13.04		ENV-00371-10
05/05/2010	ENV-00371	5290000	Int-Mats from Proj	377.08		ENV-00371-13
06/02/2010	ENV-00371	5290000	Int-Mats from Proj	814.25		ENV-00371-09
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	197.83		ENV-00371-04
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	99.46		ENV-00371-08
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	75.73		ENV-00371-09
05/05/2010	ENV-00371	5490000	Int-Misc from Proj	60.88		ENV-00371-06
06/23/2010	ENV-00371	5490000	Int-Misc from Proj	14.89		ENV-00371-04
06/23/2010	ENV-00371	5490000	Int-Misc from Proj	8.46		ENV-00371-08
				4,208.69		
03/30/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
04/06/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
04/08/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
04/22/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
04/06/2010	ENV-00371-01	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/13/2010	ENV-00371-01	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/20/2010	ENV-00371-01	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
05/13/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
05/04/2010	ENV-00371-01	5195000	Act-Labor Regular	306.84	Desiree K Pooley	521600/P20930
06/08/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Marv L Henley	521600/P20830
				1,335.74		
04/01/2010	ENV-00371-02	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/22/2010	ENV-00371-02	5195000	Act-Labor Regular	409.12	Desiree K Pooley	521600/P20930
04/29/2010	ENV-00371-02	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
06/08/2010	ENV-00371-02	5195000	Act-Labor Regular	153.42	Desiree K Poolev	521600/P20930
				869.38		
06/23/2010	ENV-00371-02	5290000	Int-Mats from Proj	197.83		ENV-00371-04-03
06/23/2010	ENV-00371-04	5490000	Int-Misc from Proj	212.72		ENV-00371-04-03
				6.55		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	70.40		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	0.89		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	9.60		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	18.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	1.67		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	65.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	6.05		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	18.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	1.67		
06/09/2010	ENV-00371-04-03	5413000	Postage Expense	1.27		
06/09/2010	ENV-00371-04-03	5413000	Postage Expense	13.62		
				212.72		

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$10.00	\$10.00
WCC Crew (\$48.08/hr)	\$192.32	\$0.00	\$192.32
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$192.32	\$10.00	\$202.32

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$465.34	\$0.00	\$465.34
\$0.00	\$261.32	\$261.32
\$2,846.12	\$0.00	\$2,846.12
\$0.00	\$0.00	\$0.00
\$3,311.46	\$261.32	\$3,572.78

Koqualla Beach

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 746293
 Date 4/06/10
 Time in 16:00
 Time out 16:06
 Turnaround 0:06
 Operator BARB
 Site 1 TACOMA LANDFILL

Gr= 7,780 Tr= 7,680 Net= 100
 015 0.05 TON @ 130.0000
 CITY COM SW S-H 10.00

Total due \$10.00

\$10-

Tacoma Hours

Month: April

Year: 2010

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																																0
Service Projects															10																	10
Cig. Butt Disposal																																0
Ecology Hours						10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	80
Esplanade																																0
Head of Thea Foss	1																															1
Hylebos																										6						6
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer						2		4																				1				1
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							4																				5					9.5
Middlewaterway Simpson																												1				3.5
Middlewaterway Tidelat																																0
Mowitch																																0
North Beach	3																															3
Olympic View						4																										4
Paperwork/Safety Meeting	1							1																								3
PCD Water Quality																										3						3
Puyallup River Side Channel	5																										3					8
Thea Foss log/fence																																0
Skookum Wuldge								2																								2
Squally								2																								2
Surface/Storm Water																																5
Swan Creek					5																											12
Tahoma Salt Marsh				3																												3
Titlow Daylight																												1				1
Tool Maintenance																																1.5
Visscher Rain Garden						2																										2
Yowkwala																																4.5
Work with other crew																																0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	170

Days schedule off for crew

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$212.72	\$212.72
WCC Crew (\$48.08/hr)	\$96.16	\$0.00	\$96.16
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$96.16	\$212.72	\$308.88

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$287.00	\$0.00	\$287.00
\$0.00	\$486.22	\$486.22
\$2,581.74	\$0.00	\$2,581.74
\$6,759.31	\$85.25	\$6,844.56
\$9,628.05	\$571.47	\$10,199.52

Layout
Object
Cost Element
Posting Date

/1SAP
WBS ENV-00371
5190000 To
04/01/2010 To

5490000
06/30/2010

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in FC	Empl./appl.name	Partner object
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	345.00		ENV-00371-01
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	511.40		ENV-00371-01
05/05/2010	ENV-00371	5190000	Int-Labor from Proj	613.68		ENV-00371-02
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	57.50		ENV-00371-01
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	306.84		ENV-00371-01
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-02
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	86.25		ENV-00371-07
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-07
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	102.28		ENV-00371-10
06/02/2010	ENV-00371	5190000	Int-Labor from Proj	51.14		ENV-00371-13
06/23/2010	ENV-00371	5190000	Int-Labor from Proj	115.00		ENV-00371-01
06/23/2010	ENV-00371	5190000	Int-Labor from Proj	153.42		ENV-00371-02
05/05/2010	ENV-00371	5290000	Int-Mats from Proj	13.04		ENV-00371-10
05/05/2010	ENV-00371	5290000	Int-Mats from Proj	377.08		ENV-00371-10
06/02/2010	ENV-00371	5290000	Int-Mats from Proj	814.25		ENV-00371-13
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	197.83		ENV-00371-09
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	99.46		ENV-00371-08
06/23/2010	ENV-00371	5290000	Int-Mats from Proj	75.73		ENV-00371-09
05/05/2010	ENV-00371	5490000	Int-Misc from Proj	60.88		ENV-00371-06
05/05/2010	ENV-00371	5490000	Int-Misc from Proj	14.89		ENV-00371-04
06/23/2010	ENV-00371	5490000	Int-Misc from Proj	8.46		ENV-00371-08
				4,208.69		
* 03/30/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
04/06/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
04/08/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20830
04/06/2010	ENV-00371-01	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/13/2010	ENV-00371-01	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/20/2010	ENV-00371-01	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
05/13/2010	ENV-00371-01	5195000	Act-Labor Regular	57.50	Mary L Henley	521600/P20930
05/04/2010	ENV-00371-01	5195000	Act-Labor Regular	306.84	Desiree K Pooley	521600/P20930
06/08/2010	ENV-00371-01	5195000	Act-Labor Regular	115.00	Mary L Henley	521600/P20830
				1,335.74		
04/01/2010	ENV-00371-02	5195000	Act-Labor Regular	204.56	Desiree K Pooley	521600/P20930
04/22/2010	ENV-00371-02	5195000	Act-Labor Regular	409.12	Desiree K Pooley	521600/P20930
04/29/2010	ENV-00371-02	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
06/08/2010	ENV-00371-02	5195000	Act-Labor Regular	153.42	Desiree K Pooley	521600/P20930
				869.38		
* 06/23/2010	ENV-00371-04	5290000	Int-Mats from Proj	197.83		ENV-00371-04-03
06/23/2010	ENV-00371-04	5490000	Int-Misc from Proj	14.89		ENV-00371-04-03
				212.72		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	6.55		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	70.40		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	0.89		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	9.60		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	18.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	1.67		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	65.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	6.05		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	18.00		
06/09/2010	ENV-00371-04-03	5210500	Landscape Equ & Sup	1.67		
06/09/2010	ENV-00371-04-03	5413000	Postage Expense	13.27		
06/09/2010	ENV-00371-04-03	5413000	Postage Expense	13.62		
				212.72		

Fourth
Corner
Nurseseries

Tacoma Hours

Month: April

Year: 2010

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																																0
Service Projects																							10									10
Cig. Butt Disposal																																0
Ecology Hours															10	10	10	10	10	10	10	10										80
Esplanade																																0
Head of Thea Foss	1																															1
Hylebos																										6						6
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer						2		4																				1				0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							4																									4
Middlewaterway Simpson							2																									2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach																																0
Olympic View						4																										3
Paperwork/Safety Meeting								1																								1
PCD Water Quality																											3					3
Puyallup River Side Channel																											3					3
Thea Foss log/fence																																8
Skookum Wuldge																																0
Squally								2																								2
Surface/Storm Water								2																								2
Swan Creek					5																											5
Tahoma Salt Marsh					3																											3
Titlow Daylight																																1
Tool Maintenance																																1.5
Visscher Rain Garden																																2
Yowkwala																																4
Work with other crew																																0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	10	10	10	10	10	10	10	10	0	10	0	0	10	10	10	0	0	170

Days schedule off for crew



Fourth Corner Nurseries

Fourth Corner Nurseries
5757 Sand Rd.
Bellingham, WA 98226

BARE-ROOT SALES: (360) 592-2250
CONTAINER SALES: (360) 734-0079
FAX: (888) 506-1236
EMAIL: sales@fourthcornernurseries.com
WEB: www.fourthcornernurseries.com

INVOICE	
# SI-803	
Date	6/7/2010
Page	1

SOLD TO

City of Tacoma Public Works*
c/o: Desiree Pooley
2201 Portland Ave.
Tacoma, WA 98421-2711
Ph. (253) 502-2126

SHIP TO

City of Tacoma Public Works*
2201 Portland Ave.
Tacoma, WA 98421-2711
Ph.

Ordered	Ship Date	Customer PO#	Salesperson	Terms	Ship Via	Job Name
3/23/2010	4/5/2010		jw	net 30	UPS	

Qty. Ordered	Shipped	Description	Origin	Size	Unit Price	Extended Price
50	50	Acer macrophyllum	WA - NW	2-0 48-60"	\$1.30	\$65.00
50	50	Alnus rubra	WA - NW	styro-15	\$0.95	\$47.50
100	100	Holodiscus discolor	WA - NW	1-0 18-36"	\$0.91	\$91.00
44	44	Ribes sanguineum		2-0 18-36"	\$1.60	\$70.40
6	6	Ribes sanguineum		2-0 18-36"	\$1.60	\$9.60
12	12	Salix scouleriana		18-36" transplant	\$1.50	\$18.00
50	50	Symphoricarpos albus	WA - NW	2-0 18-36"	\$1.30	\$65.00
2	2	Boxes - extra large		each	\$9.00	\$18.00

181 -
 + tax 14.83
 197.83
 Shipping 14.89
 \$212.72

ENV-00371-04-03

Signature _____ Date _____

Plant Total:	\$366.50
Packaging:	\$18.00
Shipping:	\$30.95
Subtotal:	\$415.45
9.3 % Sales Tax:	\$38.64
Total:	\$454.09
Amount Paid:	\$454.09
Total Due:	\$0.00

We take great care to provide nursery stock of high quality, true to name and healthy at time of shipping. However, we can give no guarantee, expressed or implied, as to productiveness or life span. Any stock received in unsatisfactory condition must be reported immediately. Plant claims will be reviewed and credit will be issued where justified; at no time will we be responsible for more than the purchase price.

We do not guarantee plants to live after accepted.

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$26.00	\$26.00
WCC Crew (\$48.08/hr)	\$288.48	\$0.00	\$288.48
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$288.48	\$26.00	\$314.48

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$338.14	\$0.00	\$338.14
\$0.00	\$1,086.15	\$1,086.15
\$1,610.62	\$0.00	\$1,610.62
\$0.00	\$0.00	\$0.00
\$1,948.76	\$1,086.15	\$3,034.91

~~Squally Beach~~ Squally Beach
~~11/12/10~~

Squally

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 785421
 Date 6/17/10
 Time in 16:45
 Time out 16:50
 Turnaround 0:05
 Operator KANDI
 Site 1 TACOMA LANDFILL

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 746534
 Date 4/07/10
 Time in 11:35
 Time out 11:41
 Turnaround 0:06
 Operator BARB
 Site 1 TACOMA LANDFILL

Gr= 7,000 Tr= 6,860 Net= 140
 .015 0.10 TON @ 130.0000
 CITY COM SW S-H 13.00

Gr= 7,780 Tr= 7,660 Net= 120
 .015 0.10 TON @ 130.0000
 CITY COM SW S-H 13.00

Total due \$13.00

Total due \$13.00

\$26-

Tacoma Hours

Month: April

Year: 2010

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																																0
Service Projects																							10									10
Cig. Butt Disposal																																0
Ecology Hours														10	10	10	10	10	10	10	10	10	10									80
Esplanade																																0
Head of Thea Foss	1																															1
Hylebos																										6						6
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer						2		4																								0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							4.5																									4.5
Middlewaterway Simpson							2.5																									2.5
Middlewaterway Tideflat							2																									2
Mowitch																																0
North Beach	3																															3
Olympic View							4																									4
Paperwork/Safety Meeting	1							1																								2
PCD Water Quality																																3
Puyallup River Side Channel	5																															3
Thea Foss log/fence																																8
Skookum Wuldge								2																								0
Squally								2																								2
Surface/Storm Water																																5
Swan Creek					5																											12
Tahoma Salt Marsh				3																												3
Titlow Daylight																																1
Tool Maintenance								2																								1.5
Visscher Rain Garden						2																										2
Yowkwala								4																								4
Work with other crew																																0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	10	10	10	10	10	10	10	10	0	10	0	0	10	10	0	0		170

Days schedule off for crew

Tacoma Hours

Month: June

Year: 2010

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																2																2
Service Projects																																0
Cig. Butt Disposal																																0
Ecology Hours							10	10	10	10																						40
Esplanade																																0
Head of Thea Foss																								1								1
Hylebos																																0
Interviews																							3									3
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							7																									7
Middlewaterway Simpson																																0
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach																																3
Olympic View																																7
Paperwork/Safety Meeting																																2
PCD Water Quality																																4
Puyallup River Side Channel																																19
Thea Foss log/fence																																0
Skookum Wuldge																																0
Squally																																4
Surface/Storm Water																																23
Swan Creek																																27
Tahoma Salt Marsh																																2
Titlow Daylight																																0
Tool Maintenance																																4
Visscher Rain Garden																																2
Yowkwala																																0
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	10	0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	0	0	0	0	150

Days schedule off for crew

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$60.88	\$60.88
WCC Crew (\$48.08/hr)	\$817.36	\$0.00	\$817.36
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$817.36	\$60.88	\$878.24

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$367.52	\$0.00	\$367.52
\$0.00	\$70.88	\$70.88
\$1,586.64	\$0.00	\$1,586.64
\$0.00	\$0.00	\$0.00
\$1,954.16	\$70.88	\$2,025.04

Layout
 Object
 Cost Element
 Posting Date

/1SAP
 WBS ENV-00371
 5190000 To
 04/01/2010 To

5490000
 06/30/2010

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in AC	Empl./appl.name	Partner object
* 05/05/2010	ENV-00371-06	5490000	Int-Misc from Proj	60.88		ENV-00371-06-02
	ENV-00371-06			60.88		
* 03/24/2010	ENV-00371-06-02	5417002	Rent Tools & Machin	55.70		
	ENV-00371-06-02	5417002	Rent Tools & Machin	5.18		
	ENV-00371-06-02			60.88		
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	86.25		ENV-00371-07-01
	ENV-00371-07	5190000	Int-Labor from Proj	102.28		ENV-00371-07-01
	ENV-00371-07			188.53		
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	86.25	Mary L Henley	521600/P20830
	ENV-00371-07-01	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
	ENV-00371-07-01			188.53		
* 06/23/2010	ENV-00371-08	5290000	Int-Mats from Proj	99.46		ENV-00371-08-03
	ENV-00371-08	5490000	Int-Misc from Proj	8.46		ENV-00371-08-03
	ENV-00371-08			107.92		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
	ENV-00371-08-03	5210500	Landscape Equ & Sup	91.00		
	ENV-00371-08-03	5413000	Postage Expense	0.72		
	ENV-00371-08-03	5413000	Postage Expense	7.74		
	ENV-00371-08-03			107.92		
* 06/02/2010	ENV-00371-09	5290000	Int-Mats from Proj	814.25		ENV-00371-09-03
	ENV-00371-09	5290000	Int-Mats from Proj	75.73		ENV-00371-09-03
	ENV-00371-09			889.98		
* 05/28/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	814.25		
	ENV-00371-09-03	5210500	Landscape Equ & Sup	75.73		
	ENV-00371-09-03			889.98		
* 06/02/2010	ENV-00371-10	5190000	Int-Labor from Proj	102.28		ENV-00371-10-03
	ENV-00371-10	5290000	Int-Mats from Proj	13.04		ENV-00371-10-02
	ENV-00371-10			115.32		
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	1.12		
	ENV-00371-10-02	5220100	Operating Supplies	11.92		
	ENV-00371-10-02			13.04		
* 05/13/2010	ENV-00371-10-03	5195000	Act-Labor Regular	102.28	Desiree K Pooley	521600/P20930
	ENV-00371-10-03			102.28		
* 06/02/2010	ENV-00371-13	5190000	Int-Labor from Proj	51.14		ENV-00371-13-03
	ENV-00371-13	5290000	Int-Mats from Proj	377.08		ENV-00371-13-02
	ENV-00371-13			428.22		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	345.00		
	ENV-00371-13-02	5210500	Landscape Equ & Sup	32.08		
	ENV-00371-13-02			377.08		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	51.14	Desiree K Pooley	521600/P20930
	ENV-00371-13-03			51.14		
**				10,420.95		

Amberg's

Tacoma Hours
Month: May

Year: 2010

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			9																													9
Service Projects																																0
Cig. Butt Disposal																																0
Ecology Hours									10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	120
Esplanade				5																												5
Head of Thea Foss			1																													1
Hylebos																																0
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City																																0
Middlewaterway Simpson																																0
Middlewaterway Tideflat																																0
Mowitch			5	4	8																											17
North Beach																																0
Olympic View																																0
Paperwork/Safety Meeting					2																											2
PCD Water Quality																																0
Puyallup River Side Channel																																0
Thea Foss log/fence																																0
Skookum Wuldge																																0
Squally																																0
Surface/Storm Water																																0
Swan Creek					6																											6
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance																																0
Vissscher Rain Garden																																0
Yowkwala																																0
Work with other crew																																0
Total Hours	0	0	10	10	10	10	10	0	0	10	10	10	10	0	0	0	10	10	10	10	10	0	0	10	10	10	10	10	0	0	0	160

Days schedule off for crew: Memorial Day

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$188.53	\$0.00	\$188.53
Site Maintenance (-xx-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$0.00	\$0.00	\$0.00
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$188.53	\$0.00	\$188.53

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$590.53	\$0.00	\$590.53
\$46.05	\$10.00	\$56.05
\$3,019.16	\$0.00	\$3,019.16
\$0.00	\$0.00	\$0.00
\$3,655.74	\$10.00	\$3,665.74

Layout
 Object
 Cost Element
 Posting Date

/LSAP
 WBS ENV-00371
 5190000 To
 04/01/2010 To

5490000
 06/30/2010

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in AC	Empl./Appl.name	Partner object
* 05/05/2010	ENV-00371-06	5490000	Int-Misc from Proj	60.88		ENV-00371-06-02
* 03/24/2010	ENV-00371-06	5417002	Rent Tools & Machin	60.88		
* 03/24/2010	ENV-00371-06-02	5417002	Rent Tools & Machin	5.18		
* 06/02/2010	ENV-00371-06-02	5190000	Int-Labor from Proj	60.88		ENV-00371-07-01
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	86.25		ENV-00371-07-01
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	102.28		
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	188.53	Mary L Henley	521600/P20830
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	86.25	Desiree K Poolev	521600/P20930
* 06/23/2010	ENV-00371-07-01	5290000	Int-Mats from Proj	188.53		ENV-00371-08-03
* 06/23/2010	ENV-00371-08	5490000	Int-Misc from Proj	99.46		ENV-00371-08-03
* 06/09/2010	ENV-00371-08	5210500	Int-Misc from Proj	107.92		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	91.00		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	0.72		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	7.74		
* 06/02/2010	ENV-00371-08-03	5290000	Int-Mats from Proj	107.92		ENV-00371-09-03
* 06/23/2010	ENV-00371-09	5290000	Int-Mats from Proj	814.25		ENV-00371-09-03
* 05/28/2010	ENV-00371-09-03	5210500	Int-Mats from Proj	75.73		
* 04/13/2010	ENV-00371-09-03	5210500	Int-Mats from Proj	889.98		
* 06/02/2010	ENV-00371-09-03	5190000	Landscape Equ & Sup	814.25		ENV-00371-10-03
* 05/05/2010	ENV-00371-10	5290000	Landscape Equ & Sup	75.73		ENV-00371-10-02
* 04/06/2010	ENV-00371-10	5220100	Int-Labor from Proj	889.98		
* 04/06/2010	ENV-00371-10-02	5220100	Int-Mats from Proj	102.28		
* 05/13/2010	ENV-00371-10-03	5195000	Int-Mats from Proj	13.04		
* 06/02/2010	ENV-00371-13	5190000	Operating Supplies	115.32		
* 05/05/2010	ENV-00371-13	5290000	Operating Supplies	1.12		
* 03/24/2010	ENV-00371-13-02	5210500	Act-Labor Regular	11.92		
* 03/24/2010	ENV-00371-13-02	5210500	Act-Labor Regular	13.04	Desiree K Poolev	521600/P20930
* 04/28/2010	ENV-00371-13-03	5195000	Int-Labor from Proj	102.28		ENV-00371-13-03
* 03/24/2010	ENV-00371-13-02	5210500	Int-Mats from Proj	102.28		ENV-00371-13-02
* 04/28/2010	ENV-00371-13-03	5195000	Int-Mats from Proj	51.14		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	428.22		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	345.00		
* 04/28/2010	ENV-00371-13-03	5195000	Landscape Equ & Sup	377.08		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	377.08	Desiree K Poolev	521600/P20930
**				51.14		
**				51.14		
**				10,420.95		

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$117.92	\$117.92
WCC Crew (\$48.08/hr)	\$769.28	\$0.00	\$769.28
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$769.28	\$117.92	\$887.20

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$316.36	\$0.00	\$316.36
\$0.00	\$130.92	\$130.92
\$2,447.14	\$0.00	\$2,447.14
\$0.00	\$158.48	\$158.48
\$2,763.50	\$289.40	\$3,052.90

Layout
 Object
 Cost Element
 Posting Date

/LSAP
 WBS ENV-00371
 5190000 To
 04/01/2010 To
 06/30/2010

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val.in AC	Empl./Appl.name	Partner object
* 05/05/2010	ENV-00371-06	5490000	Int-Misc from Proj	60.88		ENV-00371-06-02
* 03/24/2010	ENV-00371-06	5417002	Rent Tools & Machin	60.88		
* 03/24/2010	ENV-00371-06-02	5417002	Rent Tools & Machin	55.70		
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	5.18		
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	60.88		
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	86.25	Mary L Henley	521600/P20830
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	102.28	Desiree K Poolev	521600/P20930
* 06/23/2010	ENV-00371-08	5290000	Int-Mats from Proj	188.53		
* 06/23/2010	ENV-00371-08	5490000	Int-Misc from Proj	99.46		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	91.00		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	0.72		
* 06/02/2010	ENV-00371-09	5290000	Int-Mats from Proj	7.74		
* 06/23/2010	ENV-00371-09	5290000	Int-Mats from Proj	107.92		
* 04/13/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	814.25		
* 04/13/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	75.73		
* 06/02/2010	ENV-00371-10	5190000	Int-Labor from Proj	889.98		
* 05/05/2010	ENV-00371-10	5290000	Int-Mats from Proj	814.25		
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	75.73		
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	889.98		
* 05/13/2010	ENV-00371-10-03	5195000	Act-Labor Regular	102.28	Desiree K Poolev	521600/P20930
* 06/02/2010	ENV-00371-13	5190000	Int-Labor from Proj	102.28		
* 05/05/2010	ENV-00371-13	5290000	Int-Mats from Proj	51.14		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	377.08		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	428.22		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	345.00		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	32.08		
**				377.08		
**				51.14		
**				51.14		
**				10,420.95		

*Foweth
 Corner
 Nurseries*

Middle Waterway
(City)

z1 CITY OF TACOMA
 Customer # SCI100 Science & E.
 Card # 12599
 Truck # 1
 Ticket # 757770
 Date 4/28/10
 Time in 17:04
 Time out 17:09
 Turnaround 0:05
 Operator TOM
 Site 1 TACOMA LANDFILL

Gr= 7,280 Tr= 7,200 Net= 80
 015 0.05 TON @ 130.0000
 CITY COM SW S-H 10.00

Total due \$10.00

\$10-

Tacoma Hours

Month: April

Year: 2010

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																																	0
Service Projects																								10									10
Cig. Butt Disposal																																	0
Ecology Hours															10	10	10	10	10	10	10	10	10										80
Esplanade																																	0
Head of Thea Foss	1																																1
Hylebos																											6						6
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos																																	0
Landfill Buffer						2		4																				1					0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City																																	9.85
Middlewaterway Simpson																																	3.35
Middlewaterway Tidelat																																	0
Mowitch																																	0
North Beach	3																																3
Olympic View							4																										6.55
Paperwork/Safety Meeting	1									1																							3
PCD Water Quality																										3							3
Puyallup River Side Channel	5																																8
Thea Foss log/fence																																	0
Skookum Wuldge																																	2
Squally																																	2
Surface/Storm Water																																	5
Swan Creek					5																												12
Tahoma Salt Marsh					3																												3
Titlow Daylight																																	1
Tool Maintenance																																	1.5
Visscher Rain Garden																																	2
Yowkwala																																	4.35
Work with other crew																																	0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	0	10	0	0	10	10	0	0	170	

Days schedule off for crew

Tacoma Hours

Month: June

Year: 2010

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																2																2
Service Projects																																0
Cig. Butt Disposal																																0
Ecology Hours							10	10	10	10																						40
Esplanade																																0
Head of Thea Foss																								1								1
Hylebos																																0
Interviews																							3									3
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City																																7
Middlewaterway Simpson																																0
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach																																3
Olympic View																																7
Paperwork/Safety Meeting																																2
PCD Water Quality																																4
Puyallup River Side Channel																																19
Thea Foss log/fence																																0
Skookum Wuldge																																0
Squally																																4
Surface/Storm Water																																23
Swan Creek																																27
Tahoma Salt Marsh																																2
Titlow Daylight																																0
Tool Maintenance																																4
Visscher Rain Garden																																2
Yowkwala																																0
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	10	10	0	0	0	0	0	0	150	

Days schedule off for crew



Fourth Corner Nurseries

Fourth Corner Nurseries
5757 Sand Rd.
Bellingham, WA 98226

BARE-ROOT SALES: (360) 592-2250
CONTAINER SALES: (360) 734-0079
FAX: (888) 506-1236
EMAIL: sales@fourthcornernurseries.com
WEB: www.fourthcornernurseries.com

INVOICE	
# SI-803	
Date	6/7/2010
Page	1

SOLD TO

City of Tacoma Public Works*
c/o: Desiree Pooley
2201 Portland Ave.
Tacoma, WA 98421-2711
Ph. (253) 502-2126

SHIP TO

City of Tacoma Public Works*
2201 Portland Ave.
Tacoma, WA 98421-2711
Ph.

Ordered	Ship Date	Customer PO#	Salesperson	Terms	Ship Via	Job Name
3/23/2010	4/5/2010		jw	net 30	UPS	

Qty. Ordered	Shipped	Description	Origin	Size	Unit Price	Extended Price
50	50	Acer macrophyllum	WA - NW	2-0 48-60"	\$1.30	\$65.00
50	50	Alnus rubra	WA - NW	styro-15	\$0.95	\$47.50
100	100	Holodiscus discolor	WA - NW	1-0 18-36"	\$0.91	\$91.00
44	44	Ribes sanguineum		2-0 18-36"	\$1.60	\$70.40
6	6	Ribes sanguineum		2-0 18-36"	\$1.60	\$9.60
12	12	Salix scouleriana		18-36" transplant	\$1.50	\$18.00
50	50	Symphoricarpos albus	WA - NW	2-0 18-36"	\$1.30	\$65.00
2	2	Boxes - extra large		each	\$9.00	\$18.00

91 -
tax 8.46
99.46
Shipping 8.46
\$107.92

ENV-00371-08-03

Plant Total:	\$366.50
Packaging:	\$18.00
Shipping:	\$30.95
Subtotal:	\$415.45
9.3 % Sales Tax:	\$38.64
Total:	\$454.09
Amount Paid:	\$454.09
Total Due:	\$0.00

Signature _____ Date _____

We take great care to provide nursery stock of high quality, true to name and healthy at time of shipping. However, we can give no guarantee, expressed or implied, as to productiveness or life span. Any stock received in unsatisfactory condition must be reported immediately. Plant claims will be reviewed and credit will be issued where justified; at no time will we be responsible for more than the purchase price.

We do not guarantee plants to live after accepted.

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$889.98	\$889.98
WCC Crew (\$48.08/hr)	\$144.24	\$0.00	\$144.24
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$144.24	\$889.98	\$1,034.22

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$338.77	\$0.00	\$338.77
\$0.00	\$930.48	\$930.48
\$829.29	\$0.00	\$829.29
\$0.00	\$0.00	\$0.00
\$1,168.06	\$930.48	\$2,098.54

Layout Object Cost Element Posting Date /ISAP WBS ENV-00371 To 5490000 06/30/2010 City's standard layout - DO NOT CHANGE Environmental Stewardship Proj Int-Labor from Proj...

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in PC	Empl./empl.name	Partner object
* 05/05/2010	ENV-00371-06	5490000	Int-Misc from Proj	60.88		ENV-00371-06-02
* 03/24/2010	ENV-00371-06	5417002	Rent Tools & Machin	60.88		
* 03/24/2010	ENV-00371-06-02	5417002	Rent Tools & Machin	55.70		
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	5.18		
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	60.88		ENV-00371-07-01
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	86.25	Mary L Henley	521600/P20830
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	102.28	Desiree K Poolev	521600/P20930
* 06/23/2010	ENV-00371-08	5290000	Int-Mats from Proj	188.53		
* 06/23/2010	ENV-00371-08	5490000	Int-Misc from Proj	99.46		ENV-00371-08-03
* 06/09/2010	ENV-00371-08	5210500	Landscape Equ & Sup	107.92		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	91.00		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	0.72		
* 06/02/2010	ENV-00371-09	5290000	Int-Mats from Proj	7.74		
* 06/23/2010	ENV-00371-09	5290000	Int-Mats from Proj	107.92		ENV-00371-09-03
* 05/28/2010	ENV-00371-09	5210500	Landscape Equ & Sup	814.25		ENV-00371-09-03
* 04/13/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	75.73		
* 06/02/2010	ENV-00371-10	5190000	Int-Labor from Proj	889.98		
* 05/05/2010	ENV-00371-10	5290000	Int-Mats from Proj	814.25		ENV-00371-10-03
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	75.73		
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	889.98		
* 05/13/2010	ENV-00371-10-03	5195000	Act-Labor Regular	102.28	Desiree K Poolev	521600/P20930
* 06/02/2010	ENV-00371-13	5190000	Int-Labor from Proj	13.04		ENV-00371-13-03
* 05/05/2010	ENV-00371-13	5290000	Int-Mats from Proj	115.32		ENV-00371-13-02
* 03/24/2010	ENV-00371-13	5210500	Landscape Equ & Sup	1.12		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	13.04		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	11.92		
**				10,420.95		

Balance
Restoration
Nursery

Tacoma Hours

Month: April

Year: 2010

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																																0
Service Projects															10																	10
Cig. Butt Disposal																																0
Ecology Hours															10	10	10	10	10	10	10	10	10									80
Esplanade																																0
Head of Thea Foss	1																															1
Hylebos																6																6
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer						2		4																								0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							4																									9.85
Middlewaterway Simpson							2																									3.35
Middlewaterway Tidelflat																																0
Mowitch																																0
North Beach	3																															3
Olympic View						4																										6.55
Paperwork/Safety Meeting	1							1																								3
PCD Water Quality																																3
Puyallup River Side Channel	5																															8
Thea Foss log/fence																																0
Skookum Wuldge							2																									2
Squally							2																									2
Surface/Storm Water								5																								5
Swan Creek					5																											12
Tahoma Salt Marsh				3																												3
Titlow Daylight																	1															1
Tool Maintenance							2																									1.5
Visscher Rain Garden						2																										2
Yowkwala						4																										4.35
Work with other crew																																0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	0	10	10	10	10	10	10	10	0	10	0	0	10	10	0	0		170

Days schedule off for crew

Balance Restoration Nursery, LLC

27995 Chambers Mill Road

Lorane, OR 97451-9707
balancenursery@yahoo.com

101409

DATE 4/13/2010

INVOICE
169529

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

BILL TO

Attn: Sandi Holdner

SHIP TO

City of Tacoma
2201 Portland Ave
Tacoma WA
98421

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

✓ 4/14/10

253-502-2257

253-272-4046

P.O. NUMBER	SHIP DATE	DUE DATE	ACCOUNT NO	TERMS	VIA	F.O.B.	PROJECT
2200 pickle...	4/13/2010	5/21/2010		Net 30	UPS	Lorane, OR	

QUANTITY	DESCRIPTION	SIZE	PRICE	AMOUNT
2,200	Salicornia virginica / Pickleweed		0.36	792.00
	Shipping Charges		22.25	22.25

Okay to Pay 4/21/10

Approver: Debbie Pooley

PO 45-252916

Middle WW - Simpson (ESP)

ENV-00071-09-03

TOTAL

\$814.25

NEW LATE FEE POLICY- A late fee (\$50 for invoices with a balance of \$1000 or less, \$100 for invoice balances greater than \$1000) will be applied to the unpaid balance of your invoice on the first of every month beginning the first month after your due date.

DEPOSITS/CREDITS

\$0.00

BALANCE DUE

75.73 in
~~814.25~~
 889.98

MIGO 5000 372317 5/28

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$13.04	\$13.04
WCC Crew (\$48.08/hr)	\$625.04	\$0.00	\$625.04
Adaptive Maintenance (-xx-03)	\$102.28	\$0.00	\$102.28
Grand Total	\$727.32	\$13.04	\$740.36

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$396.27	\$0.00	\$396.27
\$0.00	\$101.04	\$101.04
\$2,144.32	\$0.00	\$2,144.32
\$102.28	\$0.00	\$102.28
\$2,642.87	\$101.04	\$2,743.91

Layout
 Object
 Cost Element
 Posting Date

/LSAP
 WBS ENV-00371
 5190000 To
 04/01/2010 To

5490000
 06/30/2010

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in FC	Empl./appl.name	Partner object
* 05/05/2010	ENV-00371-06	5490000	Int-Misc from Proj	60.88		ENV-00371-06-02
* 03/24/2010	ENV-00371-06	5417002	Rent Tools & Machin	60.88		
* 03/24/2010	ENV-00371-06-02	5417002	Rent Tools & Machin	5.18		
* 06/02/2010	ENV-00371-06-02	5190000	Int-Labor from Proj	60.88		ENV-00371-07-01
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	102.28		ENV-00371-07-01
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	188.53	Mary L Henley	521600/P20830
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	102.28	Desiree K Poolev	521600/P20930
* 06/23/2010	ENV-00371-07-01	5290000	Int-Mats from Proj	188.53		ENV-00371-08-03
* 06/23/2010	ENV-00371-08	5490000	Int-Misc from Proj	99.46		ENV-00371-08-03
* 06/09/2010	ENV-00371-08	5210500	Landscape Equ & Sup	8.46		ENV-00371-08-03
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	91.00		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	0.72		
* 06/02/2010	ENV-00371-08-03	5290000	Int-Mats from Proj	7.74		
* 06/23/2010	ENV-00371-09	5290000	Int-Mats from Proj	107.92		
* 06/23/2010	ENV-00371-09	5290000	Int-Mats from Proj	814.25		ENV-00371-09-03
* 05/28/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	75.73		ENV-00371-09-03
* 04/13/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	889.98		
* 06/02/2010	ENV-00371-10	5190000	Int-Labor from Proj	814.25		
* 05/05/2010	ENV-00371-10	5290000	Int-Mats from Proj	75.73		ENV-00371-10-03
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	889.98		ENV-00371-10-02
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	102.28		
* 05/13/2010	ENV-00371-10-03	5195000	Act-Labor Regular	1.12		
* 06/02/2010	ENV-00371-13	5190000	Int-Labor from Proj	13.04	Desiree K Poolev	521600/P20930
* 05/05/2010	ENV-00371-13	5290000	Int-Mats from Proj	102.28		ENV-00371-13-03
* 03/24/2010	ENV-00371-13	5210500	Landscape Equ & Sup	51.14		ENV-00371-13-02
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	428.22		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	345.00		521600/P20930
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	32.08		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	377.08		
**				51.14		
**				51.14		
**				10,420.95		

Lowe's

Tacoma Hours

Month: April

Year: 2010

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																																	0
Service Projects																								10									10
Cig. Butt Disposal																																	0
Ecology Hours															10	10	10	10	10	10	10	10	10										80
Esplanade																																	0
Head of Thea Foss	1																																1
Hylebos																																	6
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos																																	0
Landfill Buffer						2		4																									0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City							4																										9.85
Middlewaterway Simpson							2																										3.35
Middlewaterway Tiderflat																																	0
Mowitch																																	0
North Beach	3																																0
Olympic View						4																											3
Paperwork/Safety Meeting	1							1																									3
PCD Water Quality																																	3
Puyallup River Side Channel	5																																8
Thea Foss log/fence																																	0
Skookum Wuldge							2																										2
Squally							2																										2
Surface/Storm Water																																	5
Swan Creek					5																												12
Tahoma Salt Marsh					3																												3
Titlow Daylight																																	1
Tool Maintenance																																	1.5
Visscher Rain Garden						2																											2
Yowkwala																																	4.35
Work with other crew																																	0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	10	10	10	10	10	10	10	10	0	10	0	0	10	10	10	0	0		170

Days schedule off for crew

Tacoma Hours

Month: June

Year: 2010

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																2															2	
Service Projects																															0	
Cig. Butt Disposal																															0	
Ecology Hours						10	10	10	10																						40	
Esplanade																								1							1	
Head of Thea Foss																															0	
Hylebos																							3								3	
Interviews																															0	
Johnny's Dock																															0	
Jordan-Hylebos																															0	
Landfill Buffer																															0	
Log Step																															0	
Meet w/CHB																															0	
Middlewaterway City			7																												7	
Middlewaterway Simpson																															0	
Middlewaterway Tideflat																															0	
Mowitch																															0	
North Beach	3																														3	
Olympic View	7																														7	
Paperwork/Safety Meeting																	1				1										2	
PCD Water Quality																					4										4	
Puyallup River Side Channel																	1				10			8							19	
Thea Foss log/fence																															0	
Skookum Wuldge																															0	
Squally																	4														4	
Surface/Storm Water													7	6	5								5								23	
Swan Creek		10	2									1	4	5								5									27	
Tahoma Salt Marsh													2																		2	
Titlow Daylight																															0	
Tool Maintenance																							2	1							4	
Visscher Rain Garden																	2														2	
Yowkwala																															0	
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	10	10	0	0	0	0	0	0	150	

Days schedule off for crew



LOWE'S HW, INC.
 2701 SOUTH ORCHARD STREET
 TACOMA, WA 98466 (253) 460-0471

- SALE -

SALES #: S0026SF2 1256789 04-05-10

10387 110150 11.92
 * [CONCRETE MIX 60# QUIKRETE
 4 @ 2.98

Shovel

39993 6.4 OZ. PREMIUM 2-CYCLE OI 19.44
 6 @ 3.24
 294682 KOBALT 10" FLAT FILE 9.02
 92448 12OZ SMART STRAW WD40 8.94
 2 @ 4.47
 115376 KOBALT 5" SPEEDFIT FILE C 4.97
 97224 20OZ STEEL HAMMER SMTH FC 54.94
 2 @ 27.47
 147663 36" HICKORY DOUBLE BIT AX 19.94
 2 @ 9.97
 142020 36" WRECKING BAR 11.96
 229778 TT LONG HDLE ROUND POINT 50.91
 3 @ 16.97

* ITEMS MUST BE PICKED UP TODAY

11.92
1.12 tax

\$ 13.04

SUBTOTAL: 192.04
 TAX: 17.86
 INVOICE 35031 TOTAL: 209.90
 VISA: 209.90

VISA:#9861 AMOUNT:209.90 AUTHCD:046022
 REFID:804007437 04/05/10 14:11:52

[Handwritten signature]

STORE: 0026 TERMINAL: 35 04/05/10 14:12:10
 # OF ITEMS PURCHASED: 22
 EXCLUDES FEES, SERVICES AND SPECIAL ORDER ITEMS



THANK YOU FOR SHOPPING LOWE'S.
 SEE REVERSE SIDE FOR RETURN POLICY.
 STORE MANAGER: RON GASCOYNE

HAVE A COMMENT OR FEEDBACK? LET US KNOW AT:
WWW.LOWES.COM/FEEDBACK
 STORE CODE: 00260-40510-35031

WE HAVE THE LOWEST PRICES. GUARANTEED!
 IF YOU FIND A LOWER PRICE, WE WILL BEAT IT BY 10%.

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$240.40	\$0.00	\$240.40
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$240.40	\$0.00	\$240.40

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$310.02	\$0.00	\$310.02
\$0.00	\$0.00	\$0.00
\$1,983.21	\$0.00	\$1,983.21
\$0.00	\$72.14	\$72.14
\$2,293.23	\$72.14	\$2,365.37

Tacoma Hours

Month: April

Year: 2010

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																																0
Service Projects																							10									10
Cig. Butt Disposal																																0
Ecology Hours															10	10	10	10	10	10	10	10										80
Esplanade																																0
Head of Thea Foss	1																															1
Hylebos																	6															6
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer						2		4																				1				1
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							4																									4
Middlewaterway Simpson																																2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach	3																															3
Olympic View																																0
Paperwork/Safety Meeting	1						4																									5
PCD Water Quality																																0
Puyallup River Side Channel	5																															5
Thea Foss log/fence																																0
Skookum Wuldge																																2
Squally																																2
Surface/Storm Water																																5
Swan Creek																																7
Tahoma Salt Marsh																																3
Titlow Daylight																																1
Tool Maintenance																																1.5
Visscher Rain Garden																																2
Yowkwala																																4
Work with other crew																																0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	0	10	10	10	10	10	10	10	0	10	0	0	10	10	0	0	0	170

Days scheduled off for crew

Tacoma Hours

Month: June

Year: 2010

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																2																2
Service Projects																																0
Cig. Butt Disposal																																0
Ecology Hours						10	10	10	10																							40
Esplanade																								1								1
Head of Thea Foss																																0
Hylebos																																0
Interviews																							3									3
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							7																									7
Middlewaterway Simpson																																0
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach																																3
Olympic View																																7
Paperwork/Safety Meeting																																2
PCD Water Quality																																4
Puyallup River Side Channel																																19
Thea Foss log/fence																																0
Skookum Wuldge																																0
Squally																																4
Surface/Storm Water																																23
Swan Creek																																27
Tahoma Salt Marsh																																2
Titlow Daylight																																0
Tool Maintenance																																4
Visscher Rain Garden																																2
Yowkwala																																0
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	10	10	0	0	0	0	0	0	0	150

Days schedule off for crew

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

04/01/10 through 06/30/10

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-xx-01)	\$0.00	\$0.00	\$0.00
Site Maintenance (-xx-02)	\$0.00	\$519.08	\$519.08
WCC Crew (\$48.08/hr)	\$2,163.60	\$0.00	\$2,163.60
Adaptive Maintenance (-xx-03)	\$51.14	\$0.00	\$51.14
Grand Total	\$2,214.74	\$519.08	\$2,733.82

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$442.32	\$0.00	\$442.32
\$51.14	\$1,182.33	\$1,233.47
\$12,721.56	\$0.00	\$12,721.56
\$255.70	\$2,310.60	\$2,566.30
\$13,470.72	\$3,492.93	\$16,963.65

Layout
 Object
 Cost Element
 Posting Date

/1SAP
 WBS ENV-00371
 5190000 To
 04/01/2010 To
 06/30/2010

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

Doc. Date	Object	Cost Elem.	Cost elem.name	Val. in DC	Empl./Appl. name	Partner object
* 05/05/2010	ENV-00371-06	5490000	Int-Misc from Proj	60.88		ENV-00371-06-02
* 03/24/2010	ENV-00371-06	5417002	Rent Tools & Machin	60.88		
* 03/24/2010	ENV-00371-06-02	5417002	Rent Tools & Machin	55.70		
* 06/02/2010	ENV-00371-06-02	5190000	Int-Labor from Proj	5.18		
* 06/02/2010	ENV-00371-07	5190000	Int-Labor from Proj	60.88		ENV-00371-07-01
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	86.25	Mary L Henley	521600/P20830
* 04/28/2010	ENV-00371-07-01	5195000	Act-Labor Regular	102.28	Desiree K Poolev	521600/P20930
* 06/23/2010	ENV-00371-08	5290000	Int-Mats from Proj	188.53		
* 06/23/2010	ENV-00371-08	5490000	Int-Misc from Proj	99.46		ENV-00371-08-03
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	8.46		
* 06/09/2010	ENV-00371-08-03	5210500	Landscape Equ & Sup	107.92		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	8.46		
* 06/09/2010	ENV-00371-08-03	5413000	Postage Expense	91.00		
* 06/02/2010	ENV-00371-09	5290000	Int-Mats from Proj	0.72		ENV-00371-09-03
* 06/23/2010	ENV-00371-09	5290000	Int-Mats from Proj	75.73		ENV-00371-09-03
* 05/28/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	889.98		
* 04/13/2010	ENV-00371-09-03	5210500	Landscape Equ & Sup	814.25		
* 06/02/2010	ENV-00371-10	5190000	Int-Labor from Proj	75.73		ENV-00371-10-03
* 05/05/2010	ENV-00371-10	5290000	Int-Mats from Proj	889.98		ENV-00371-10-02
* 04/06/2010	ENV-00371-10-02	5220100	Operating Supplies	102.28		
* 04/06/2010	ENV-00371-10-02	5220100	Operatind Supplies	13.04		
* 05/13/2010	ENV-00371-10-03	5195000	Act-Labor Regular	1.12	Desiree K Poolev	521600/P20930
* 06/02/2010	ENV-00371-13	5190000	Int-Labor from Proj	13.04		ENV-00371-13-03
* 05/05/2010	ENV-00371-13	5290000	Int-Mats from Proj	102.28		ENV-00371-13-02
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	51.14		
* 03/24/2010	ENV-00371-13-02	5210500	Landscape Equ & Sup	377.08		
* 04/28/2010	ENV-00371-13-02	5195000	Act-Labor Regular	428.22		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	345.00		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	32.08		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	377.08		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	51.14		
* 04/28/2010	ENV-00371-13-03	5195000	Act-Labor Regular	51.14		
**				10,420.95		

H+B Fuel

Swan Creek

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 759940
 Date 5/03/10
 Time in 8:27
 Time out 8:35
 Turnaround 0:08
 Operator TOM
 Site 1 TACOMA LANDFILL

Gr= 6,600 Tr= 6,560 Net= 40
 015 0.05 TON @ 130.0000
 CITY COM SW S-H 10.00

Total due \$10.00

Swan Creek

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 745715
 Date 4/05/10
 Time in 13:05
 Time out 13:14
 Turnaround 0:09
 Operator RACHEL
 Site 1 TACOMA LANDFILL

Gr= 7,420 Tr= 7,240 Net= 180
 015 0.10 TON @ 130.0000
 CITY COM SW S-H 13.00
 233 2.00 EA @ 6.7500
 Fires On City 13.50

Total due \$26.50

Swan Creek

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 761763
 Date 5/06/10
 Time in 16:57
 Time out 17:02
 Turnaround 0:05
 Operator BARB
 Site 1 TACOMA LANDFILL

Gr= 7,180 Tr= 7,100 Net= 80
 015 0.05 TON @ 130.0000
 CITY COM SW S-H 10.00

Total due \$10.00

Swan Creek

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 761327
 Date 5/05/10
 Time in 17:16
 Time out 17:22
 Turnaround 0:06
 Operator KANDI
 Site 1 TACOMA LANDFILL

Gr= 7,160 Tr= 7,060 Net= 100
 015 0.05 TON @ 130.0000
 CITY COM SW S-H 10.00

Total due \$10.00

Swan Creek

z1 CITY OF TACOMA
Customer # SCI100 Science & Engineeri
Yard # 101699
Truck # 1
Ticket # 784244
Date 6/15/10
Time in 16:57
Time out 17:01
Turnaround 0:04
Operator TOM
Site 1 TACOMA LANDFILL

Gr= 6,940 Tr= 6,860 Net= 80
J15 0.05 TON @ 130.0000
CITY COM SW S-H 10.00

Total due \$10.00

Swan Creek

z1 CITY OF TACOMA
Customer # SCI100 Science & Engineeri
Yard # 101699
Truck # 1
Ticket # 776845
Date 6/03/10
Time in 16:37
Time out 16:43
Turnaround 0:06
Operator BARB
Site 1 TACOMA LANDFILL

Gr= 7,000 Tr= 6,960 Net= 40
J15 0.05 TON @ 130.0000
CITY COM SW S-H 10.00

Total due \$10.00

Swan Creek

z1 CITY OF TACOMA
Customer # SCI100 Science & Engineeri
Yard # 101699
Truck # 1
Ticket # 792539
Date 6/28/10
Time in 17:05
Time out 17:21
Turnaround 0:16
Operator RACHEL
Site 1 TACOMA LANDFILL

Gr= 7,440 Tr= 7,340 Net= 100
J15 0.05 TON @ 130.0000
CITY COM SW S-H 10.00

Total due \$10.00

Swan Creek

z1 CITY OF TACOMA
Customer # SCI100 Science & Engineeri
Yard # 101699
Truck # 1
Ticket # 788221
Date 6/22/10
Time in 17:23
Time out 17:28
Turnaround 0:05
Operator RACHEL
Site 1 TACOMA LANDFILL

Gr= 7,000 Tr= 6,940 Net= 60
J15 0.05 TON @ 130.0000
CITY COM SW S-H 10.00

Total due \$10.00

Swan creek

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 793913
 Date 6/30/10
 Time in 15:38
 Time out 15:44
 Turnaround 0:06
 Operator BARB
 Site 1 TACOMA LANDFILL

Gr= 7,620 Tr= 7,280 Net= 340
 015 0.20 TON @ 130.0000
 CITY COM SW S-H 26.00

Total due \$26.00

Swan creek

z1 CITY OF TACOMA
 Customer # SCI100 Science & Engineeri
 Card # 101699
 Truck # 1
 Ticket # 793229
 Date 6/29/10
 Time in 16:05
 Time out 16:11
 Turnaround 0:06
 Operator BARB
 Site 1 TACOMA LANDFILL

Gr= 7,740 Tr= 7,480 Net= 260
 015 0.15 TON @ 130.0000
 CITY COM SW S-H 19.50

Total due \$19.50

\$142-

Tacoma Hours

Month: April

Year: 2010

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																																0
Service Projects																							10									10
Cig. Butt Disposal																																0
Ecology Hours						10	10	10	10	10	10	10	10	10																		80
Esplanade																																0
Head of Thea Foss	1																															1
Hylebos																		6														6
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer					2	2	4																									0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City																																0
Middlewaterway Simpson																																0
Middlewaterway Tidelat																																0
Mowitch																																0
North Beach	3																															3
Olympic View						4																										4
Paperwork/Safety Meeting	1							1																								3
PCD Water Quality																											3					3
Puyallup River Side Channel	5																															8
Thea Foss log/fence																																0
Skookum Wuldge								2																								2
Squally								2																								2
Surface/Storm Water									5																							5
Swan Creek					5																											12
Tahoma Salt Marsh					3																											3
Titlow Daylight																																1
Tool Maintenance																																1.5
Visscher Rain Garden																																2
Yowkwala																																4.35
Work with other crew																																0
Total Hours	10	0	0	0	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170

Days schedule off for crew



Tacoma Hours
Month: May

Year: 2010

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			9																														9
Service Projects																																	0
Cig. Butt Disposal																																	0
Ecology Hours									10	10	10	10	10											10	10	10	10						120
Esplanade				5																													5
Head of Thea Foss			1																														1
Hylebos																																	0
Interviews																																	0
Johnny's Dock																																	0
Jordan-Hylebos																																	0
Landfill Buffer																																	0
Log Step																																	0
Meet w/CHB																																	0
Middlewaterway City																																	0
Middlewaterway Simpson																																	0
Middlewaterway Tidelat																																	0
Mowitch			5	4	8																												17
North Beach																																	0
Olympic View																																	0
Paperwork/Safety Meeting						2																											2
PCD Water Quality																																	0
Puyallup River Side Channel																																	0
Thea Foss log/fence																																	0
Skookum Wuidige																																	0
Squally																																	0
Surface/Storm Water																																	0
Swan Creek					6																												6
Tahoma Salt Marsh																																	0
Titlow Daylight																																	0
Tool Maintenance																																	0
Vischer 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	0	160	

Days schedule off for crew: Memorial Day

Tacoma Hours
Month: June

Year: 2010

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																	2															2
Service Projects																																0
Cig. Butt Disposal																																0
Ecology Hours							10	10	10	10																						40
Esplanade																																0
Head of Thea Foss																								1								1
Hylebos																																0
Interviews																							3									3
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City							7																									7
Middlewaterway Simpson																																0
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach																																3
Olympic View																																7
Paperwork/Safety Meeting																																2
PCD Water Quality																																4
Puyallup River Side Channel																																19
Thea Foss log/fence																																0
Skookum Wuldge																																0
Squally																																4
Surface/Storm Water																																4
Swan Creek																																23
Tahoma Salt Marsh																																27
Titlow Daylight																																2
Tool Maintenance																																0
Visscher Rain Garden																																4
Yowkwala																																2
Work with other crew																																0
Total Hours	10	10	10	0	0	0	10	10	10	10	10	0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	0	0	0	0	150

Days schedule off for crew

H&B Fuel Inc.
4810 Portland Ave.
Tacoma, WA. 98404
253-472-1252 Office / 253-474-3895 Fax
www.handbttopsoil.com
Check our website for sales!!

Bill To:
City of Tacoma Grounds Maint.
2324 South C Street
Tacoma, WA 98405

Description	Attribute	Size	Orig Price	Disc %	Type	Qty	Price	Ext Price	Tax
Medium Ground Bark/Mulch	5202		\$26.00	11.54%		30	\$23.00	\$690.00	T
							Subtotal:	\$690.00	
							Local Sales Tax	9.3 % Tax	+\$64.17
							RECEIPT TOTAL:	\$754.17	

5070

Credit Card: \$754.17 XXXX7396 Visa
Reference # 0000008003

Entry: Manual Auth=073841
Merchant #***46757

Signature _____
I agree to pay above amount according to card issuer
agreement (merchant agreement if credit voucher).

Total Savings: \$90.00

2717 Pioneer Way E
3510 S Mullin St

Thanks for shopping with your friends at H&B!



ENV-00371-13-02

\$ 377.08

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

04/01/10 through 06/30/10

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

Life to 06/30/10

Personnel Service	Supplies & Service	Grand Total
\$1,416.96	\$790.01	\$2,206.97