



## ENVIRONMENTAL STEWARDSHIP PROJECT

# YEAR 4 ANNUAL REPORT

OCTOBER 23, 2012



Prepared for:

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Prepared by:

CITY OF TACOMA

## **1.0 Introduction**

In accordance with the terms and conditions of the Settlement Agreement between the U.S. Environmental Protection Agency and the City of Tacoma, and the associated Annual Scope of Work, this report presents the progress of the Long Term Environmental Site Stewardship Project during the period between October 1, 2011 and September 30, 2012. 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. As the submittal date for the quarterly report and annual report fall on the same day, we have incorporated all of the information into one document in an effort to reduce redundancy.

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

- Yowkwala
- Skookum Wulge
- Squally Beach
- Mowitch
- Jordan/Lower Hylebos Marsh
- Middle Waterway, City of Tacoma
- Middle Waterway, Simpson
- Olympic View, City/DNR
- Tahoma Salt Marsh
- Swan Creek
- Lower Hylebos Habitat Restoration Site (formerly Hauff)\*

\* Note that due to a delay in the transfer of the property to the Trustees, the property is still being managed by Wildlands, Inc. As agreed with the Trustees, the City will discontinue work on the site until such time that the property transfer has been completed.

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.

## **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 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 (see figure in Attachment 1). The majority of the work on this site takes place in the backslope riparian planting area. Access to this site is primarily from a private marina parking lot, Tyee Marina, to

the southeast. In addition, there are two pullouts above the hillslope off of Marine View Drive that provide viewing areas, but no access points.

This site was set aside by the Trustees, and a beach cleanup including the removal of two derelict barges was completed in 2000. Citizens for a Healthy Bay (CHB) performed stewardship, monitoring and maintenance activities at this site under an agreement with the Trustees that expired at the end of 2009. With the execution of the Settlement Agreement in August 2008, the City began providing stewardship of this site. The City has entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 25, 2011, December 9, 2011, February 15, 2012, April 19, 2012, June 15, 2012 and August 14, 2012. Photo points were established during Year 1 as shown on the attached figure. Where possible, photos were taken at these points by the City in February and August as required by the Settlement Agreement. Some of the photo point locations were adjusted to accommodate tidal conditions and missing photo points. Photos were taken to best replicate the field of view of previous photos. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 1 in Attachment 1) and are available for review upon request.

Trash and invasive species removal are the primary concerns at this site. Invasive species present at the site include pepperweed, Himalayan blackberry, butterfly bush, Scott's broom, tansy ragwort and pampas grass. Poison oak is continuing to spread into open areas, and is encroaching on the social trail. It is likely not possible to eradicate invasive species on this site due to the intermixing of invasives with the poison oak. The small back marsh area is continuing to show success with good plant diversity and many volunteers. Some additional plantings have been made behind the marsh at the end of the social trail, and the shore pine and snowberry in this area are doing well. Other species succeeding at the site include snowberry, dune grass, gumweed, Douglas fir and rose. Continuing evidence of beach bonfires and associated party trash were noted and cleaned up. This is a long-standing, recurring problem at this site.

Due to the shifting beach, remnants of the barge on the shoreline became exposed creating a somewhat hazardous situation. Exposed rebar and other metal spikes were cut at the mudline by the WCC to remove the hazard. This problem may arise again in the future depending on the dynamics of the beach.

Bi-monthly monitoring data are summarized in the Site Record (see Table 1 in Attachment 1). The following activities were completed at the site during the reporting period:

- November 9 – The WCC deconstructed existing GED and performed an invasive and garbage sweep.
- November 12 – CHB conducted a volunteer planting event.
- November 15 – The WCC tore down the party house and continued the invasive and garbage sweep.
- January 3 – The WCC performed an invasive sweep of the planting areas and a garbage sweep.

- January 16 – CHB conducted a volunteer shoreline cleanup event that included the Yowkwala, Skookum Wulge, and Squally Beach sites.
- January 23 – The WCC removed trash picked up during the CHB volunteer event.
- March 6 – CHB conducted an educational field trip for UWT students at the Yowkwala, Skookum Wulge and Squally Beach sites.
- March 24 – CHB conducted a volunteer invasive removal event.
- April 11 – The WCC planted 100 donated trees.
- July 14 – CHB conducted a volunteer invasive removal event.
- July 21 – CHB hosted a shoreline cleanup event.
- August 14 – The WCC performed invasive removal.
- August 15 and 16 – The WCC removed the rebar and other metal debris.
- September 15 – CHB conducted a volunteer invasive removal event.

Project work scheduled to be completed before the end of 2012 consists of CHB planting events on October 6 and November 10 in the trail area. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry, butterfly bush, pampas grass, and pepperweed) as directed by the Trustees;
- Ongoing trash removal;
- Evaluation for and propose if needed additional plants in the trail area to achieve sufficient coverage and survivability; and
- Evaluation of the need/cost of mass invasive species removal and planting in the backshore areas with native species.

The complete 2013 Proposed Task List is included in Attachment 3.

## **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 (see figure in Attachment 1). There is approximately a 4-5 foot elevation difference between the planted area and the upper beach due to continued erosion. The majority of the work on this site will take place in the riparian planting area, although some marsh development is also planned. 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. CHB performed stewardship, monitoring and maintenance activities at this site under an agreement with the Trustees that expired at the end of 2009. With the execution of the Settlement Agreement in August 2008, the City began providing stewardship of this site. The City has entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 3 inspections took place at this site on October 15, 2011, December 9, 2011, February 15, 2012, April 20, 2012, June 2, 2012, and August 14, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in

February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 2 in Attachment 1) and are available for review upon request.

Invasive removal is the primary ongoing activity which is needed at this site. Invasive species present at the site include Himalayan blackberry, ivy, morning glory, Scot's broom and reed canary grass. The ivy was treated with herbicide in July. Many different species are volunteering at the site including alder, maple, fireweed, rushes and black cottonwood. Both coastal strawberry and trailing blackberry are doing notably well at the site along with numerous other species. Erosion of the shoreline continues, although minor amounts of herbaceous species are establishing on the eroded face. As the central upland area continues to erode, the plants near the edge are salvaged and relocated to other areas of the site. Planting near the eroded slope could be considered with the intent that established root systems may help stabilize the area. City staff has seen establishment of dune grass happen in this manner at other highly eroding sites.

Bi-monthly monitoring data are summarized in the Site Record (see Table 2 in Attachment 1). The following activities were completed at the site during the reporting period:

- October 5 – The WCC performed an invasive sweep.
- October 12 and 13 – The WCC removed ivy and placed jute mat on the south uplands in preparation for the volunteer planting event.
- October 15 – CHB conducted a volunteer planting event on the south uplands.
- October 24 – The WCC placed mulch on the newly planted area.
- October 26 – The WCC removed additional ivy from the toe of the slope.
- November 2 – The WCC spread grass seed on the newly planted/mulched slope and planted 30 additional plants.
- December 5 – The WCC performed an invasive sweep at the site.
- January 16 – CHB conducted a volunteer shoreline cleanup event that included the Yowkwala, Skookum Wulge, and Squally Beach sites.
- February 1 – The WCC performed a garbage sweep at the site.
- March 6 – CHB conducted an educational field trip for UWT students at the Yowkwala, Skookum Wulge and Squally Beach sites.
- April 24 – The WCC performed an invasive sweep at the site.
- June 2 – CHB conducted a volunteer invasive removal event.
- June 18 – The WCC performed an invasive sweep at the site.
- July 9 – The WCC performed an invasive sweep at the site.
- July 19 – The WCC applied herbicide on the ivy.
- July 21 – CHB hosted a shoreline clean up event.
- August 13 – The WCC performed a trash sweep.
- September 6 – The WCC performed an invasive sweep.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry and ivy) as directed by the Trustees;
- Evaluation for and propose if needed additional plants to achieve sufficient coverage and survivability;

- Monitor on-going erosion and salvage plants as needed;
- Plant dune grass near the eroded slope for stabilization and in the area where knotweed has been eradicated; and
- Ongoing trash removal.

The complete 2013 Proposed Task List is included in Attachment 3.

### **2.3 Squally Beach**

The Squally Beach site is located on the northeast shore of Commencement Bay just north of the 11<sup>th</sup> Street Bridge (see figure in Attachment 1). Seeps from the hill above are diffused over the shoreline creating an area of brackish marsh and backwater pools. This 0.66 acre site provides intertidal habitat, riparian habitat and native vegetation. The site consists of small raised island areas within the marsh area. A wooded strip of riparian area separates the site from the adjacent roadway. The majority of the work takes place in the marsh area, but some work 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. CHB performed stewardship, monitoring and maintenance activities at this site under an agreement with the Trustees that expired at the end of 2009. With the execution of the Settlement Agreement in August 2008, the City began providing stewardship of this site. The City has entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement, and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 25, 2011, December 9, 2011, February 15, 2012, April 19, 2012, June 21, 2012 and August 14, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 3 in Attachment 1) and are available for review upon request.

The site appears to be generally well-established with native vegetation including willow, roses, snowberry, ocean spray, Douglas fir, gumweed, pickleweed, dune grass, and Lyngby's sedge among those noted as doing well.

The two issues of primary concern at this site continue to be related to invasive species. The first is the ongoing presence of knotweed in the area at the northwest end as well as in the middle of the site. In particular, controlling it at the northwest end will be necessary to prevent it from continuing to be a problem on this site; however, this will be very difficult due to the extensive presence on the adjacent property. The WCC applied herbicide to the knotweed in July 2012. However, unless knotweed eradication is addressed as part of a large effort along Marine View Drive, this species will continue to be a problem at this site as well as other sites located in this vicinity.

The second issue is the noted presence of *Spartina angelica*. Its presence was first identified on the site in October 2009, and the Department of Agriculture was notified. This was the first identified presence of this species in Commencement Bay. A Department of Agriculture crew

specializing in the control of this invasive species continues to monitor the site and remove any plants that are identified per their plan/discretion. A representative from the Spartina Task Force removed one plant from under the willows along the toe of the slope in August.

Bi-monthly monitoring data are summarized in the Site Record (see Table 3 in Attachment 1). The following activities were completed at the site during the reporting period:

- November 16 and 17 – The WCC grubbed blackberry at the site.
- December 12 – The WCC performed an invasive sweep.
- January 16 – CHB conducted a volunteer shoreline cleanup event that included the Yowkwala, Skookum Wulge, and Squally Beach sites.
- February 1 – The WCC performed an invasive sweep.
- March 6 – CHB conducted an educational field trip for UWT students at the Yowkwala, Skookum Wulge and Squally Beach sites.
- April 24 – The WCC performed an invasive sweep at the site.
- April 26 – The WCC performed a site visit to look for irrigation pipes.
- June 18 – The WCC performed an invasive sweep at the site and removed irrigation pipes.
- July 11 – The WCC performed a pepperweed sweep and applied herbicide on the knotweed.
- July 21 – CHB hosted a shoreline clean up event.
- August 13 – The WCC performed an invasive sweep.
- August 15 – The WCC removed large metal fence posts (previously installed for large woody debris deflection).
- September 6 – The WCC performed an invasive sweep.

Large metal fencing was initially installed on the site during construction to protect the young plants from the smothering effects of large woody debris. It was modified in Year 2 to remove the fencing material but the posts were left in place temporarily to provide some barrier. The site was monitored through the winter months of Year 3 and there was no significant accumulation of large woody debris within the site or negative impact on the marsh plants. Therefore, removal of all of the posts was put on the 2012 Task List and was completed in August.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry, knotweed, pepperweed and Spartina) as directed by the Trustees;
- Ongoing trash removal;
- Inject/apply herbicide to the knotweed population to the west of the site to control encroachment onto the site as well as on site; and
- Cut and remove any remaining exposed fish netting to the extent that it will not damage plants during removal.

The complete 2013 Proposed Task List is included in Attachment 3.

## 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 near the mouth and three other marsh areas separated by backchannel areas. An upland riparian zone separates the habitat area from an adjacent industrial site (see figure in Attachment 1). Work on this site takes place in both the riparian and the marsh areas. Access to the site is from the southeast corner off of Marine View Drive and adjacent to the railroad tracks.

Development of this site was completed by the Trustees in 2000. CHB performed stewardship, monitoring and maintenance activities at this site under an agreement with the Trustees that expired at the end of 2009. With the execution of the Settlement Agreement in August 2008, the City began providing stewardship of this site. The City has entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 25, 2011, December 17, 2011, February 15, 2012, April 20, 2012, June 18, 2012, and August 14, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 4 in Attachment 1) and are available for review upon request.

Overall, the site appears healthy with many plant species doing well and only minor drought stress noted this summer. Some marsh species are continuing to slowly establish on the island areas including brass buttons, salt grass and pickleweed. Several species of plants noted as doing well in the riparian and backshore areas include lupine, roses, willows, snowberry, Douglas fir, salt grass and tufted hairgrass. There are also some invasive plant species present, most notably Himalayan blackberry, thistle, tansy, reed canary grass and phragmites. Overall, the site is in good condition.

Bi-monthly monitoring data are summarized in the Site Record (see Table 4 in Attachment 1). The following activities were completed at the site during the reporting period:

- December 15 – The WCC performed an invasive sweep.
- April 9 – The WCC planted 40 donated trees and shrubs.
- April 26 – The WCC performed a site visit to look for irrigation pipes.
- May 1 – The WCC performed irrigation system removal and an invasive sweep.
- June 20 – The WCC performed an invasive sweep at the site.
- August 9 – The WCC performed an invasive sweep.
- August 21 – The WCC sprayed the phragmites, and girdled/sprayed the cherry tree.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry, pepperweed and phragmites) as directed by the Trustees;
- Ongoing trash removal;
- Cut and remove remaining exposed fish netting to the extent that it will not damage plants during removal; and
- Distribute on-site mulch pile around newest plants

The complete 2013 Proposed Task List is included in Attachment 3.

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

The Jordan/Lower Hylebos Marsh site is located directly adjacent to Hylebos Creek in Fife, just downstream of the 4<sup>th</sup> Street bridge. The 15.3 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 (see figure in Attachment 1). The majority of work at this site is 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 4<sup>th</sup> Street East or 8<sup>th</sup> Street East at the northwest or southeast sides of the site, respectively.

Development of this site was completed by the Trustees in 2005. Formerly, the non-profit group Friends of the Hylebos (FOH) performed stewardship, monitoring and maintenance activities at this site under an agreement with the Trustees. The FOH agreement with the Trustees expired in June 2008. With the execution of the Settlement Agreement in August 2008, the City began providing stewardship of this site. The City entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 27, 2011, December 17, 2011, February 15, 2012, April 20, 2012, June 15, 2012, and August 14, 2012. Photo points were established during Year 1 as shown on the attached figure. Where possible, photos were taken at these points by the City in February and August as required by the Settlement Agreement. Some of the photo point locations were adjusted to accommodate site conditions and missing photo points. Photos were taken to best replicate the field of view of previous photos. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 5 in Attachment 1) and are available for review upon request.

Overall the site appears to be in excellent condition. Invasive species are the primary concern at this site, with species including Himalayan blackberry, reed canary grass, herb Robert, knotweed, and Scot's broom being of the most concern. Many young conifers were identified as volunteering at the site. Alder continue to thrive at the site along with snowberry, thimbleberry, sword ferns, Douglas fir and numerous other species. Under an agreement with the Trustees related to the previous over-thinning, EarthCorps replanted 46 plants in the affected areas in

November. In addition, trees and shrubs were planted on the east side of the trail near Platform 1.

Bi-monthly monitoring data are summarized in the Site Record (see Table 5 in Attachment 1). The following activities were completed at the site during the reporting period:

- October 4 – The WCC performed an invasive sweep.
- October 11 – The WCC performed a garbage sweep.
- November 5 – CHB conducted a volunteer planting event.
- November 14 – The WCC brushcut blackberries at the south end of the trail.
- November 22 – The WCC performed invasive removal.
- November 30 – The WCC transplanted native plants out of the mower turnaround area.
- December 15 – The WCC performed invasive removal.
- January 16 – The WCC performed an invasive sweep at the site.
- January 23 – The WCC visited the site to assess damage from recent snow storm.
- April 9 – The WCC planted 60 donated trees and shrubs at the east end of the trail.
- April 26 – The WCC performed a site visit to look for irrigation pipes.
- May 1 – The WCC performed irrigation system removal.
- May 29 – The WCC performed an invasive sweep.
- July 11 and 18 – The WCC sprayed herbicide on the knotweed.
- September 1 – CHB conducted a volunteer invasive removal event.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry, reed canary grass and purple loosestrife) as directed by the Trustees;
- Planting in the area east of the trail where blackberry was removed during Parks Appreciation Day; and
- Ongoing trash removal.

The complete 2013 Proposed Task List is included in Attachment 3.

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

The Middle Waterway, City of Tacoma site is located at the head of the Middle Waterway near 11<sup>th</sup> Street (see figure in Attachment 1). 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. Work at this site is performed in both the marsh and riparian areas. Access to this site is off of F Street or 11<sup>th</sup> Street.

This site was constructed by the City of Tacoma in 2000. While the City's obligation under its Consent Decree required monitoring and maintenance of the site for only five years, the City continued to maintain the site after those five years lapsed in 2006. With the execution of the Settlement Agreement in August 2008, the City is again under obligation to provide ongoing stewardship of this site. The City entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 27, 2011, December 13, 2011, February 14, 2012, April 19, 2012, June 6, 2012, and August 15, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 6 in Attachment 1) and are available for review upon request.

Overall, the site is in very good condition. Invasive species removal is the primary concern at this site as it is generally well established. Invasive species of note at the site include white sweet clover, Himalayan blackberry, common tansy, reed canary grass and morning glory. Recent plantings in the marsh area appear healthy and are doing well while there was more mixed success in the riparian area. Overall the site appears healthy with little maintenance needed.

Bi-monthly monitoring data are summarized in the Site Record (see Table 6 in Attachment 1). The following activities were completed at the site during the reporting period:

- October 3, 4 and 6 – The WCC performed an invasive sweep with a focus on white sweet clover.
- October 25 – The WCC continued the invasive sweep.
- October 26 – The WCC continued removal of white sweet clover.
- November 2 – The WCC mulched trees along 11<sup>th</sup> Street and transplanted a large shore pine.
- November 21 – The WCC performed an invasive sweep.
- December 6 and 14 – The WCC continued with invasive removal at the site.
- January 4 – The WCC performed an invasive sweep at the site.
- February 9 – The WCC performed a garbage sweep.
- April 9 – The WCC planted 30 donated trees at the site.
- April 24 – The WCC performed an invasive sweep and mowed the reed canary grass.
- April 26 – The WCC performed a site visit to look for irrigation pipes.
- May 3 – The WCC performed an invasive sweep at the site.
- June 11 and 12 – The WCC performed an invasive sweep with a focus on white sweet clover as well as brush cutting at the site.
- June 19 – The WCC performed an invasive sweep and brush cutting at the site.
- July 3 and 4 – The WCC performed an invasive sweep with a focus on white sweet clover.
- August 13, 14, and 29 - The WCC performed an invasive sweep with a focus on white sweet clover.
- September 11 – The WCC removed white sweet clover.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry, butterfly bush and reed canary grass) as directed by the Trustees;
- Thinning out of alder around conifers; and
- Ongoing trash removal.

The complete 2013 Proposed Task List is included in Attachment 3.

## **2.7 Middle Waterway, Simpson**

The Middle Waterway, Simpson site is located at the head of the Middle Waterway near 11<sup>th</sup> Street, and adjacent to the Middle Waterway, City site. This site provides intertidal habitat and salt marsh vegetation beneficial for juvenile salmonid migration. The riparian areas provide habitat for shore birds and other wildlife. A combination of mudflat areas, beach areas, and bank/wooded areas are present at the site (see figure in Attachment 1). Work at the site takes place both on the beach and in the riparian /wooded areas. Access to this site is off of the Middle Waterway Access Road.

This site was constructed by Simpson in 1996. CHB performed stewardship, monitoring and maintenance activities at this site under an agreement with the Trustees that expired at the end of 2009. With the execution of the Settlement Agreement in August 2008, the City began providing stewardship of this site. The City has entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 27, 2011, December 13, 2011, February 14, 2012, April 19, 2012, June 6, 2012, and August 15, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 7 in Attachment 1) and are available for review upon request.

Overall, the site is in very good condition and is well established. Invasive species removal is the primary concern at this site. Invasive species of primary concern at the site include Himalayan blackberry, wild pea and St. John's wort. Plantings in the marsh that were done during 2009 and 2010 are continuing to do well with good survival and spreading noted. Specifically, the roses, Oregon grape and coastal strawberries were noted as doing very well. Established plantings that are thriving at the site include strawberry, red-flowering currant, snowberry, Oregon grape, lupine, Douglas fir, dune grass, salt grass and pickleweed. Gumweed is also volunteering. Goose exclusion fencing was removed in fall 2011 and this does not appear to be affecting the continued growth and development of the site.

Bi-monthly monitoring data are summarized in the Site Record (see Table 7 in Attachment 1). The following activities were completed at the site during the reporting period:

- November 2 – The WCC performed an invasive sweep.
- November 28 – The WCC performed an invasive and trash sweep.
- December 6 – The WCC performed an invasive sweep.
- April 26 – The WCC performed a site visit to look for irrigation pipes.
- July 10 – The WCC performed an invasive sweep.
- August 14 – The WCC performed an invasive sweep.
- September 11 – The WCC performed an invasive sweep.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species removal with focus on noxious weeds and other priority species (Himalayan blackberry) as directed by the Trustees; and
- Ongoing trash removal.

The complete 2013 Proposed Task List is included in Attachment 3.

## **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 (see figure in Attachment 1). This 12.4 acre site consists of riparian areas, restored beach, and tidelands. On-site, but just off-shore, is one of the few remaining eelgrass beds in Commencement Bay. The majority of the work on this site takes place on the upper beach/riparian area. Access to this site is from the end of East F Street near Foss Maritime.

The Olympic View project that included both cleanup and restoration was constructed by the City of Tacoma in 2002. In 2007, the DNR Triangle portion of the site (OVT) was completed by DNR, including removal of contaminated soils and excavation to create a salt marsh bench. 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 continued to maintain the site after those five years lapsed in 2007. With the execution of the Settlement Agreement in August 2008, the City is again under obligation to provide ongoing stewardship of its portion of this site. The City entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary. In addition, DNR currently has ongoing responsibility for monitoring and maintenance of its portion of the site, and the City is working with DNR and the Trustees to coordinate those efforts as well.

Year 4 inspections took place at this site on October 27, 2011, December 3, 2011, February 14, 2012, April 19, 2012, June 16, 2012, and August 15, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 8 in Attachment 1) and are available for review upon request.

Overall, the site is in good condition with minor drought stress due to recent dry summer weather noted. Invasive species removal in the riparian area is one of the primary concerns at this site. Invasive species present at the site include pepperweed, poison hemlock, St. John's wort, Himalayan blackberry, and tansy ragwort. Salt marsh species continue to establish very slowly. Essentially no plants are present in the central portion of the marsh, but orache and potentilla are present and healthy around the upper edge. The goose exclusion in the marsh has been removed. The riparian vegetation appears generally healthy with pearly everlasting, roses, fireweed, and gumweed among those noted as volunteering. Other species doing well in the riparian area include ninebark, madrone, willow, Oregon grape, shorepine, roses, and snowberry.

The other key issue at this site is the movement of shoreline gravels on the bayward face of the site. Erosion of the outer slope of the berm continues along with a push of the beach materials across the face of the marsh opening. The City understands that DNR and the Trustees are considering a modification to the design of the site so that the planned function of the site can be maintained. The City will continue to observe and note these changes to the site, and is available to assist in the implementation of any site modifications as directed by the Trustees.

Bi-monthly monitoring data are summarized in the Site Record (see Table 8 in Attachment 1). The following activities were completed at the site during the reporting period:

- October 11 – The WCC removed invasive species from the site with a focus on mustard, tansy and pepperweed.
- October 26 – The WCC removed invasive species from the parking area.
- November 14 and 22 – The WCC performed an invasive sweep.
- November 29 – The WCC removed St. John's wort outside of the gate.
- December 1 – The WCC staked up the cottonwood trees and pulled St. John's wort.
- December 3 – CHB conducted a volunteer planting event.
- December 21 – The WCC performed an invasive sweep.
- February 7 – The WCC was on site to prop up a serviceberry tree that was leaning.
- April 9 – The WCC performed invasive removal focused on tansy ragwort.
- May 29 – The WCC performed an invasive sweep.
- June 27 – The WCC performed an invasive sweep.
- July 12 – CHB conducted an invasive removal event.
- July 31 and August 1 and 2 – The WCC removed posts, rebar and other debris associated with the goose exclusion and the irrigation system in the triangle area.
- August 6 – The WCC performed an invasive sweep and cut the willows from the fence line.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species with focus on noxious weeds and other priority species (Himalayan blackberry and pepperweed) as directed by the Trustees;
- Ongoing trash removal;
- Monitoring of sedimentation/erosion in the salt marsh and overall site beach shift and assistance with implementation of site modifications as directed by the Trustees; and
- Potential assistance with engineered solution to keep surface tidal connection open

The complete 2013 Proposed Task List is included in Attachment 3.

## **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 berms (see figure in Attachment 1). The majority of the work at this site occurs 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 continued to maintain the site after those five years lapsed in 2009. CHB has also provided some stewardship activities at this site since 2008 on behalf of the Trustees. With the execution of the Settlement Agreement in August 2008, the City is again under obligation to provide ongoing stewardship of its portion of this site. The City entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 20, 2011, December 9, 2011, February 14, 2012, April 20, 2012, June 6, 2012, and August 15, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 9 in Attachment 1) and are available for review upon request.

Overall, the site is in excellent condition with only minor drought stress noted due to the recent dry summer weather. The salt marsh continues to fill in with vegetation, with salt grass showing the most dominance. Many new pickleweed volunteers were noted in the marsh area and it was estimated that there is 80% coverage in the marsh area at this time. The riparian area appears very healthy with significant growth noted. Thimbleberry and possibly red-flowering currant are volunteering and other plants including Oregon grape, spruce, Douglas fir, shore pine, black twinberry and ocean spray doing very well. Salt marsh plantings from late last year did not do well. Some of the tufted hairgrass survived but none of the gumweed. Invasive species removal is a primary concern at this site. Invasive species present include Himalayan blackberry, thistle, reed canary grass and tansy ragwort. The grasses in the riparian area are doing quite well, but continue to require periodic, although less frequent removal from around the shrubs and trees. This need will continue to lessen as the tree canopy shade increases.

Bi-monthly monitoring data are summarized in the Site Record (see Table 9 in Attachment 1). The following activities were completed at the site during the reporting period:

- October 4 – The WCC performed an invasive sweep.
- October 26 – The WCC performed an invasive and garbage sweep.
- November 17 – The WCC performed an invasive sweep.
- December 14 – The WCC performed an invasive sweep.
- January 23 – The WCC visited the site to assess damage from recent snow storm.
- May 24 – The WCC removed the goose exclusion fencing and performed an invasive sweep.
- June 28 – The WCC performed an invasive sweep.
- July 3 – The WCC performed an invasive sweep.
- July 30 – The WCC performed a pepperweed sweep.
- September 13 – The WCC performed an invasive sweep.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species with focus on noxious weeds and other priority species (Himalayan blackberry and pepperweed) as directed by the Trustees; and
- Ongoing trash removal.

The complete 2013 Proposed Task List is included in Attachment 3.

## **2.10 Swan Creek**

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

The Swan Creek project was constructed by the City in 2000. While the City's obligation under its Consent Decree required monitoring and maintenance of its portion of the site for only five years, the City has continued to maintain the site after those five years lapsed in 2006. With the execution of the Settlement Agreement in August 2008, the City is again under obligation to provide ongoing stewardship of its portion of this site. The City entered into a contract with CHB to provide assistance with stewardship, monitoring, community involvement and maintenance activities required by the Agreement. The City and CHB are working cooperatively to ensure that the efforts of each entity are complementary.

Year 4 inspections took place at this site on October 20, 2011, December 17, 2011, February 14, 2012, May 1, 2012, June 21, 2012, and August 15, 2012. Photo points were established during Year 1 as shown on the attached figure. Photos were taken at these points by the City in February and August as required by the Settlement Agreement. The photographs from February were provided to the Trustees in the Year 4 Second Quarter Report in April, and the photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 10 in Attachment 1) and are available for review upon request.

Invasive species and native plant establishment continue to be the primary concerns at this site. Prevalent invasive species present at the site include Himalayan blackberry, ivy, policeman's helmet, reed canary grass, yellow-flag iris, nightshade and knotweed. New trees were planted on the island, along the roadside and behind the fireworks stand in early spring. These new plantings are generally doing well with the shore pine showing the most success. Chicory, chokecherry, bird's foot trefoil, buttercup and sheep sorrel were found on-site. Most of the tree and shrub species are doing quite well and are showing good growth. Overall the site appears in very good condition.

The Little Red Smoke Shack (Puyallup Tribe ownership) near the south end of the site was demolished during Year 2, and the debris is still piled partially on site. A cell tower was constructed on the site during Year 4. Overall the site appears to be doing better now that the LRSS is gone as there is less evidence of human presence. The Puyallup Tribe was notified of the debris issue, and the City will continue to work with them to remove this material and restore the site.

Bi-monthly monitoring data are summarized in the Site Record (see Table 10 in Attachment 1). The following activities were completed at the site during the reporting period:

- October 3 – The WCC grubbed blackberry and performed a poison hemlock sweep. In addition, a locust tree was removed from the island.
- October 5, 6 and 12 – The WCC grubbed blackberry along the roadside at the north end of the site.
- November 2 – The WCC performed an invasive sweep.
- November 7 – The WCC grubbed blackberry along the roadside.
- November 15, 22, 28, 29 and 30 – The WCC pulled ivy in the understory at the north end of the site.
- November 29 – The WCC performed an invasive sweep on the island.
- December 12 – The WCC performed invasive removal at the south end of the site.
- December 14 – The WCC performed an invasive sweep.
- January 3 – The WCC performed a blackberry sweep and a garbage sweep at the north end of the site.
- January 16 – The WCC performed a garbage sweep at the south end of the site.
- January 23 – The WCC visited the site to assess damage from recent snow storm.
- February 1 – The WCC removed ivy along the north roadside and performed a garbage sweep at the site.
- April 3, 4, 10 and 11 – The WCC planted trees along the roadside, behind the fireworks stand and on the island.
- April 18 – The WCC performed an invasive and garbage sweep at the site.
- May 9 – The WCC performed an invasive sweep.
- May 16 – The WCC planted a large fir tree.
- May 17 – The WCC watered plants at the site.
- May 19 – CHB conducted a volunteer invasive removal event.
- May 23 – The WCC performed an invasive sweep.
- June 12 – The WCC performed an invasive sweep on the north roadside.
- June 18 – The WCC performed an invasive sweep at the site.
- June 25, 26 and 27 – The WCC performed an invasive sweep at the site with a focus on nightshade, iris and policemen's helmet. Selective herbicide spraying of morning glory and reed canary grass was also performed.
- July 4 – The WCC girdled two cherry trees and applied herbicide.
- July 10 – The WCC watered trees on site.
- July 11 – The WCC sprayed knotweed along the roadside and creek.
- August 9 – The WCC performed an invasive sweep along the north roadside.
- August 13 – The WCC performed an invasive sweep focused on Policeman's helmet and nightshade.
- August 14 and 20 – The WCC watered plants on site.
- September 10 – The WCC grubbed blackberries along the north roadside.

There is no scheduled project work to be completed at this site before the end of 2012. Work proposed for this site in the coming year includes:

- Ongoing invasive species with focus on noxious weeds and other priority species (Himalayan blackberry, Scott's broom, reed canary grass, policeman's helmet, poison hemlock and knotweed) as directed by the Trustees;
- Harvest on-site willow stakes and plant along the creek on the island in attempt to shade out the reed canary grass; and
- Ongoing trash removal.

The complete 2013 Proposed Task List is included in Attachment 3.

## 2.11 Lower Hylebos Habitat Restoration Site

The Lower Hylebos Habitat Restoration Site (LHRS), formerly identified as the Hauff project site, is located along the lower, tidal section of Hylebos Creek. Goals for this 6.7 acre site included restoring the estuarine salt marsh complex by creating intertidal channels and a vegetated buffer. Restoration activities included cleaning up the site by removing structures and materials, removing the non-native vegetation, excavating the site to reestablish the tidal marsh and mudflats, and planting a vegetative buffer. Under an agreement with the Trustees, Wildlands, Inc. assumed responsibility for managing the acquisition and cleanup of the site and is currently in the process of transferring the property to the Puyallup Tribe of Indians.

In March 2012, the Trustees asked the City to add this site to the list of sites monitored under the ESP. Three inspections and a CHB-coordinated volunteer planting event were conducted at the site between April and August. In September, due to delays in the property transfer process and at the request of Wildlands, Inc., the City discontinued work on the site. The Trustees concurred with this decision. Once the property transfer has been completed, and if requested by the Trustees, the City will pursue an access agreement with Puyallup Tribe to allow for work to occur at this site.

The City performed an initial site visit in May, established photo point locations, and took baseline photos. Year 4 inspections took place at this site on April 20, 2012, June 14, 2012, and August 14, 2012. Photos were taken at the newly established locations by the City in August. The baseline photographs from May were not submitted but are available for review upon request. The photographs from August are included in Attachment 2 along with the field form from that inspection. Field forms from the remainder of the Year 4 inspections are summarized in the Site Record (Table 11 in Attachment 1) and are available for review upon request.

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

- May 2 – The City conducted an initial site visit and established photo points (see Attachment 1).
- June 14 – CHB conducted a volunteer invasive removal event.

There is no scheduled project work to be completed at this site at this time. The City will await further direction from the Trustees as to inclusion of this site in the ESP.

## 3.0 Volunteer Involvement

See below for a summary of approximate WCC, CHB, EarthCorps and volunteers hours worked at the stewardship sites during the fourth quarter of Year 4.

Site	WCC (hours)	CHB (hours)	EarthCorps (days)	Volunteer (hours)
Yowkwala	15	36	2	120
Skookum Wulge	6	8	--	49
Squally Beach	11	8	--	49
Mowitch	6	--	--	--

Jordan/Lower Hylebos Marsh	7	15	--	40
Middle Waterway – City	18	--	--	--
Middle Waterway – Simpson	5	--	--	--
Olympic View	46	13	--	25
Tahoma Salt Marsh	5	--	--	--
Swan Creek	53	--	--	--
Lower Hylebos Habitat Restoration Site	--	--	--	--

CHB continued work on recruiting and involving volunteers in site activities as well as providing environmental education to the community. Volunteers were recruited at various events and through CHB's and other volunteer websites. Volunteer participation events were conducted at the Yowkwala, Skookum Wulge and Squally Beach shorelines, the Jordan/Lower Hylebos Marsh site, and at Olympic View. These events were fairly well attended with 3 to 37 volunteers present at each event in addition to the CHB staff members. Five volunteers worked at the Olympic View site on July 12, and performed invasive removal; 11 volunteers worked at the Yowkwala site on July 14 and performed invasive removal; 37 volunteers participated in the shoreline cleanup event at the Yowkwala, Skookum Wulge and Squally Beach sites on July 21 removing trash and other debris; 8 volunteers worked at the Jordan site on September 1 and performed invasive removal; and 3 volunteers worked at the Yowkwala site on September 15 and performed invasive removal. An EarthCorps crew worked at two of the Yowkwala events along with the volunteers and CHB staff members. Volunteer events are generally scheduled at the sites approximately once a month throughout the year.

CHB conducted an educational presentation for a Girl Scout group in July. In addition, CHB participated in a volunteer education and recruitment fair in September and posted other volunteer recruitment opportunities on various websites.

#### 4.0 Financial Summary

Financial information documenting the City's costs for each task performed from July 1, 2012 through September 30, 2012 (Year 4, Quarter 4) is provided in Attachment 4. Financial information for Year 4, Quarters 1, 2 and 3 has been provided in previous quarterly reports. The work performed at each site is summarized in Section 2.0. As documented in Attachment 4 and previous quarterly reports, the City incurred the following costs between October 1, 2011 and September 30, 2012:

Task 1	Project Management	\$4,050.91
Task 2	Reporting and Documentation	\$6,733.60
Task 3	Site Monitoring	\$3,375.71
Task 4	Site Maintenance	\$465.25*
Task 5	Adaptive Management	\$3,674.69
	General Maintenance and Monitoring	\$40,036.91*
Total		\$58,337.07

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

As identified in the Settlement Agreement, the reimbursable expenses for project management and reporting are limited to 11% of the amount placed in the Escrow Account. The maximum allowable reimbursement for these tasks was exceeded in the first quarter of Year 4, so the disbursement request amount is less than the total listed above (see the Year 4 Reimbursement

Summary in Attachment 4). In accordance with this summary, the City hereby requests disbursement from the escrow account in the amount of \$49,847.86 for work completed under the Settlement Agreement between October 1, 2011 and September 30, 2012. Following this disbursement, \$74,407.37 will remain in the escrow account for future stewardship activities at these sites.

## **5.0 Proposed Modifications to Environmental Stewardship Plan Scope of Work**

In the Year 3 Annual Report, after visiting all of the sites with Trustee representatives, the City recommended several modifications to the ESP Scope of Work. Each recommendation and its current status are as follows:

**Recommendation 1:** Reduce the frequency of monitoring from bi-monthly to quarterly (February, May, August, November). The February and August inspections would still include photo documentation and be performed by City representatives. The May and November inspections would be performed by CHB/volunteer site stewards.

**Status:** This recommendation was approved by the Trustees in July, so effective on that date, the inspection frequency has been changed to quarterly.

**Recommendation 2:** Develop 2012 CHB Work Plan to include primarily invasive species and debris removal events rather than planting events. Planting events will take place on a limited basis only as directed by the Trustees.

**Status:** This recommendation was approved by the Trustees and implemented in 2012 work.

**Recommendation 3:** Identify and target specific invasive species for each site to focus work efforts on the most problematic species. Recommendations for targeted species on each site were identified on the 2012 Task List and are also included in Attachment 3.

**Status:** This recommendation was approved by the Trustees and implemented in 2012 work.

**Recommendation 4:** Add the Sha Dadx and Hauff sites to the ESP Project site list, and also expand the stewardship activities to be performed at the OVRA Triangle site after DNR's required stewardship obligations are completed (anticipated January 2012).

**Status:** The Puyallup Tribe determined that they did not want the City to perform stewardship at the Sha Dadx site. As indicated above, the Hauff (LHRS) site was added to the ESP site list in March but was subsequently removed in September. The City will await further direction regarding work at this site. In addition, the City will perform additional stewardship work at the OVRA Triangle site as directed by the Trustees as DNR completes its obligations.

**Attachment 1**

**Tables and Figures**

Table 1  
ESP Site Record

ESP Site Record:  
Yowkwala

Observational Categories	8/10/2011 (City)	10/25/11 (CHB)	12/9/11 (CHB)	2/15/2012 (City)	4/19/12 (CHB)	6/15/2012 (CHB)	8/14/2012 (City)
<b>Human Impacts</b>	Party and fishing related trash present. Some of the GED had been knocked down and needs to be removed. There were 4-5 firepits observed and the party house had been reconstructed.	Minor trash present	Some rebar and plant containers remain on site from the last planting event and need to be removed. Also minor trash present in the tideline.	No evidence of recent activity was observed. Minor trash present in the backshore area.	A large buoy/raft of about 16 tires was floating just off shore. Watch to ensure that it doesn't end up on the beach.	Evidence of campfires/parties are present on the beach. There are some burnt trees present hanging out over the beach/marsh.	Minor trash associated with the high tide line. There was also some cut gumweed vegetation present at the high tide line, along with laurel and ice plant which may have been yard waste from somewhere. There was no indication that the gumweed had been cut from the site.
<b>Erosion</b>	Same as before	None noted	None noted	None noted	None noted	None noted	None noted
<b>Weeds</b>	The social trail was noted to be more overgrown than before with encroachment by poison oak. Pepperweed, in flower was noted along with other species that have been noted in prior inspections.	Minor blackberry, St. John's wort and a few tansy ragwort were identified at the marina end of the site	Scot's broom, blackberry and butterfly bush noted, along with minor amounts of morning glory and one tansy ragwort plant	No new invasive species observed	Curled dock, vetch and blackberry at the entrance of the site. Mid-site has some blackberry regrowth dock and one tansy ragwort. At the far end of the site, considerable blackberry, Scot's broom and butterfly bush were observed.	Mid-site has pepperweed, curled dock and blackberry regrowth. There is a big seed source of pepperweed and curled dock on the adjacent marina property. In the recently cleared area there is considerable poison oak, tansy and pepperweed as well as Scot's broom and butterfly bush along the hillside. Some nightshade, morning glory and St. John's wort are also present.	Invasives are still present in the upland area and on adjacent properties. Noted species include butterfly bush, blackberry, pepperweed and pampas grass. It is unlikely that pepperweed will be eradicated due to the intermixing of pepperweed and poison oak on site.
<b>Fencing</b>	No change noted. See GED notes under Human Impacts above.	No change noted	No change noted	No change	No change	No change	No change
<b>Plantings</b>	Shore pine and Oregon grape were noted as doing the best in the new planting areas	The dune grass planted near the marina entrance to the site is doing very well	Most plants from November planting appear healthy, particularly evergreen huckleberry, Oregon grape, shore pine and salal	Good survival noted	Plantings from last fall are doing well, particularly the roses, Oregon grape, evergreen huckleberry, snowberry and Douglas fir. The dune grass is also spreading.	Many of the recent plantings are being overgrown by grasses and invasives so some maintenance is needed. Recently planted small trees are not doing well.	Shore pine and snowberry were noted as having the best survival rate
<b>Flora</b>	Fleshy jaumea, dune grass, pickleweed, gumweed and orache were all noted in the back marsh area. Some drought stress was noted.	Overall appears healthy. Sword fern is spreading at the entrance area and looks very healthy. Many trees and shrubs are also doing quite well in this area.	Overall appears healthy. Dune grass at the site entrance is continuing to do well and has grown considerably.	Some madrones were damaged in winter storms. No other concerns noted.	Some of the madrones have some spotty leaves with black edges.	Numerous species are doing well, including dune grass, roses, shore pines, Douglas fir, willows, madrone, evergreen huckleberry, snowberry and gumweed.	No plant stress noted, although the site is very dry. Shore pine showing good health.
<b>Fauna</b>	Seagulls, geese, otter, crabs, mussels, hummingbirds, crow and bees	Found the remains of a seagull and a small garter snake	Harbor seals off shore	Kingfisher, dog, sea lion, crow, mole, and small avian species	Sea lion	Geese and small avian species	Seagulls, crow, small avian species and a dog
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 2  
ESP Site Record

ESP Site Record:  
Skookum Wulge

Observational Categories	8/10/2011 (City)	10/15/11 (CHB)	12/9/11 (CHB)	2/15/12 (City)	4/20/12 (CHB)	6/2/2012 (CHB)	8/14/12 (City)
<b>Human Impacts</b>	Minor trash in tide line	Minor trash	None noted	Minor trash in the tide line	Minor trash throughout	Minor trash in the tideline	Minor trash in the tideline
<b>Erosion</b>	Erosion appears to be continuing at a decreased rate	No change noted	No change noted	No change noted - erosion of the slope continuing	North slope erosion has caused a crack to occur along the top of the slope near the edge, so that chunk will break off soon	No change noted - erosion of the slope is continuing	No change noted
<b>Weeds</b>	The knotweed is to be treated in late August, some with injection and some with spray. Blackberry and ivy are resprouting at the south end, and some pepperweed starts were noted in the north marsh area.	Some ivy is coming back in the south uplands. Minor blackberry is also present in the north uplands and central portion of the site.	Minor blackberry and thistle noted in the North uplands, along with at least one butterfly bush. Some ivy is growing back in the South uplands.	No new observed	Ivy, blackberry, thistle, dandelions and Scot's broom noted	Ivy is coming back on the south side as well as blackberry. Some Scot's broom, curled dock, dandelions and vetch were also noted. Ivy and blackberry to be spot sprayed.	Some Scot's broom starts were seen in the south sloped area. Reed canary grass, blackberry, ivy and morning glory were also noted.
<b>Fencing</b>	One bollard was leaning but remainder in good condition	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	In preparation for planting, jute mat has been placed on the south end slope where the ivy was removed. A small beach area will also be cut to allow the tide to move into a small depression behind the logs. The north hillside vegetation is not establishing particularly well.	Plantings in the south uplands being done on the day of the inspection. Other recent plantings are doing quite well.	Coastal strawberry planted in November is doing well. Hand sown grass is coming in through the mulch in the south uplands planting area. Tufted hair grass and salt grass are doing well in the marsh.	Recent plantings are doing very well in the riparian area and also showing good survival in the backshore/marsh area.	Recent plantings doing well with only a few dead plants on the south slope	Most all plantings in the south upland are doing well. Plants in the backshore area are struggling but still present.	No change noted
<b>Flora</b>	Some minor amounts of herbaceous species are establishing on the eroded face. Volunteer alder, cottonwood, and big leaf maple were noted. Some drought related stress was noted.	Overall site is healthy. Some roses above the marsh are struggling but coastal strawberry and trailing blackberry are doing well. Alder, maple, fireweed and rushes are volunteering and salt grass is doing well in the marsh.	Overall the site appears healthy. Coastal strawberry in the North uplands is spreading nicely. Oregon grape and snowberry in this area are also doing well. Fireweed was noted as volunteering.	Overall the vegetation is doing well. Some seedlings, possibly gumweed, are coming in at the high tide line in the south marsh area. These will be observed to ensure they aren't an invasive species.	Maple, strawberry, black cottonwood and rushes noted as volunteers. Maple, sword ferns, strawberry, Oregon grape, trailing blackberry red-flowering currant, willow and shore pine noted as doing well in the uplands, and gumweed, sedges and grasses are doing well in the backshore area.	Site appears generally healthy. There is considerable growth in the upland areas and the south backshore is filling in. Coastal strawberry and trailing blackberry are doing quite well. Maples, cottonwood, rushes and fireweed are volunteering. Several of the roses are in bloom.	Some drought stress noted on some of the plants. Consider planting dune grass on the fallen sloughed soils to help stabilize the slope. Strawberries were noted as doing particularly well.
<b>Fauna</b>	Great blue heron, seagull, crabs, and small avian species	Harbor seals off shore	None noted	Cormorant, seagull, small avian species	Killdeer nesting and ducks	Nesting killdeer	Seal family, small avian species, great blue heron and an osprey fishing
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 3  
ESP Site Record

ESP Site Record:  
Squally Beach

Observational Categories	8/10/2011 (City)	10/25/11 (CHB)	12/9/11 (CHB)	2/15/12 (City)	4/19/12 (CHB)	6/21/2012 (CHB)	8/14/2012 (City)
<b>Human Impacts</b>	None noted	Minor trash between the berm and the roadway	Minor trash in the marsh	Minor trash in the high tide line	Minor trash	Minor trash	Minor trash
<b>Erosion</b>	A small amount was present on the shoreline of the site	None noted	None noted	Erosion on the outer shoreline appears to be increasing somewhat	None noted	None noted	No significant erosion noted
<b>Weeds</b>	The knotweed needs to be sprayed/injected. White sweet clover was noted, especially on the islands, and needs to be pulled.	Knotweed continues to be an issue. Some that was injected is dead, but some is still growing under the tree canopy at the north end and may have been too small to inject. Minor blackberry also present.	Blackberry present near the information sign and knotweed present at the north end of the west woods.	No spartina was observed. Knotweed will be treated again in the late summer.	Minor amounts of wild pea, vetch and blackberry on the berm, and knotweed at the north end.	Scattered blackberry regrowth under the canopy of trees was noted. At the north end, the blackberry and knotweed continues to encroach onto the site.	A representative from the Spartina Task Force was present and removed one plant from under the willows along the toe of the slope.
<b>Fencing</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	Some of the willows/robes on the islands are surviving	One shore pine is all that has survived in the NW corner. The rest has been crowded out by knotweed. Some of the dunegrass planted at the edge of the embankment has also survived.	No change noted	No change noted	No change noted	No change noted	No recent plantings
<b>Flora</b>	Minimal drought stress was noted on the established vegetation. All species are doing well. Some rose gall was noted, but less than last year. There was no indication of cordgrass.	Overall the site appears healthy. Snowberry, ocean spray, Douglas fir, willow, alder, rose and cottonwood are all doing well.	Overall site appears healthy. Some roses appear to be volunteering near the sign.	Overall vegetation appears healthy. No new volunteer species were noted.	Willow, alder, rose, snowberry, ocean spray and Douglas fir are all doing well. The Lyngby sedge is quite thick in the marsh. The gumweed and dune grass are doing well on the outer islands.	Vegetation along the berm and in the marsh appear to be doing very well. Willows are dominant along the berm. The roses are in bloom and the ocean spray, alders and cottonwoods are doing notably well on the berm. Sedges, fleshy jaumea, pickleweed and plantain are doing well in the backshore/marsh.	Overall the site is showing great growth/coverage. Some drought stress was noted in the upland areas and some gall is present on the roses.
<b>Fauna</b>	Small avian species, geese, bees, butterfly, dragonfly and gnats. Also some small trails were noted near mid-site and may be animal (deer) related.	Numerous ducks present off shore	None noted	Robin	None noted	None noted	Small avian species
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 4  
ESP Site Record

ESP Site Record:  
Mowitch

Observational Categories	8/10 & 8/11/2011 (City)	10/25/11 (CHB)	12/17/11 (CHB)	2/15/12 (City)	4/20/12 (CHB)	6/18/2012 (CHB)	8/14/2012 (City)
<b>Human Impacts</b>	One piece of metal is present in a back channel	Minor trash	Minor trash present. There is some exposed netting along the path that could be removed.	Minor trash	Minor trash	None noted	Minor trash
<b>Erosion</b>	None noted	None noted	None noted	None noted	Some loss of material along the path noted, exposing the black netting underneath	None noted	No significant erosion
<b>Weeds</b>	Phragmites is still present in at least three areas	Minor blackberry is present throughout the site along with some wild fennel, thistle and reed canary grass. Two small patches of phragmites are also present.	Some reed canary grass is present throughout the site, along with patches of common tansy, blackberry and thistle. The two patches of phragmites are still present.	No new species were noted. A couple small patches of phragmites remains.	Tansy ragwort and blackberry were noted, along with thistle and reed canary grass	Tansy ragwort is present along the footpath and reed canary grass is present between the footpath and the fence. Blackberry and thistle were also noted.	Phragmites remains on site - consider painting or spraying with herbicide as digging is not working. A large patch was also seen on the opposite bank. A cherry tree and pepperweed were observed at the end of the riparian area.
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	The shoreline are doing notably well	Most plants from Fall 2010 did not survive due to predation. A few of the trees and shrubs did survive.	Same as before	An estimated 10% of the recent plantings survived	The recently planted shore pine are doing well	The recently planted shore pine are continuing to do well	No change noted
<b>Flora</b>	Some green is finally appearing in sizable amounts on the islands. Species present include brass buttons, salt grass and pickleweed. Some drought stress in the riparian area was noted.	Overall site appears healthy. The snowberries are heavy with berries and most of the conifers are doing well. Several patches of an aster type plant with purple rayed petals were present in the backshore area.	Snowberry still look good and full of berries. The lupine, rose, willow and most of the conifer species were noted as doing well. Some dead trees are present - mostly the alder and one Douglas fir.	Overall vegetation looks good. No new volunteer species were identified.	Some herbivory was noted, but most species in both the riparian area and in the backshore/marsh appear quite healthy	Site appears generally healthy. Lupine, willow, red-flowering currant, black twinberry, saltgrass, pickleweed, tufted hairgrass and many other species were noted as doing quite well.	Roses, lupine and oceanspray doing notably well. Overall site showing some drought stress. Potentilla was noted as a possible volunteer along with Douglas aster and spearscale. Saltgrass and brass buttons on islands. Some tenting caterpillars were seen in some alders near the entry to the site.
<b>Fauna</b>	Ducks, swallow and killdeer	Ducks and kingfisher	Ducks	Small avian species, rabbits, and ducks	Geese and rabbits	Indication of geese and rabbits	Kingfisher, ducks, seagulls, Canada geese and a black bird with a prominent yellow bill - surf scoter?
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 5  
ESP Site Record

ESP Site Record:  
Jordan

Observational Categories	8/11/2011 (City)	10/27/11 (CHB)	12/17/11 (CHB)	2/15/12 (City)	4/20/12 (CHB)	6/15/2012 (CHB)	8/14/2012 (City)
<b>Human Impacts</b>	The social trail up to the upper hill area is still present but there was no evidence of recent activity noted.	No impacts noted	Minor trash	Minor trash	Minor trash. Some flagging of various plants has been done, including both native species and blackberry near the 8th St end. This flagging is likely related to Fife's upcoming Parks Appreciation Day volunteer event.	Flagged alders have been cut and piled up next to the trail.	Minor trash and a small fishing/social trail was noted
<b>Erosion</b>	None noted	None noted	None noted	None noted	None noted	None noted	None noted
<b>Weeds</b>	The amount of reed canary grass on the hilltop seems to have increased.	Some Scot's broom and blackberry were noted on the east side of the trail and reed canary grass throughout the site	Same as before	No new invasive species observed. Reed canary grass is the dominant invasive.	Buttercups, reed canary grass, dandelions, blackberry, Herb Robert and vetch were noted	Reed canary grass, blackberry, Scot's broom, tansy ragwort and herb Robert are scattered throughout the site	One purple loosestrife and reed canary grass were noted. There was no RCG under alders between platforms 1 and 2.
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	No recent plantings	No recent plantings	Most plants installed by EarthCorps and CHB in November appear healthy. Minor herbivory has occurred.	Approximately nine total empty mulch rings, but overall recent plantings by both EarthCorps and volunteers look good.	Generally good survival rates noted	Recent plantings are doing well overall, especially maples and ferns. Some of the recent plantings have been covered by piles of cut blackberry and alders and these piles need to be removed.	Survival is good, but some are still covered with cut blackberry debris from Parks Appreciation Day activities.
<b>Flora</b>	The alders from Platform 3 to the south are suckering out. Conifers near Platform 3 are doing well with lots of new growth. Big leaf maple volunteers noted. Plants were dry but no real signs of drought stress were noted.	Overall site appears healthy. The snowberry is blooming and there is a lot of thimbleberry. Alders, conifers and cottonwood are all doing well.	Overall site appears healthy with sword fern, snowberry, trailing blackberry, alder, Douglas fir, spruce and shore pine all noted as doing well. Many young conifer volunteers are present on the west hill.	Some storm damage noted, but overall site looks good. No new volunteer species were observed. Some alders are being damaged (?) by the sapsucker.	Overall, plants throughout the site appear healthy.	Overall the site appears healthy with alders, sword fern, maple, horsetail, black cap raspberry, avens, salmonberry, red elderberry, snowberry, thimbleberry, Douglas fir, shore pine and other species doing well.	There is good coverage at the site and the evergreens are growing nicely.
<b>Fauna</b>	Person/dog, bugs, beaver, small avian species, geese, and a stellar jay	Avian species and frogs	Small avian species and ducks, as well as people and dogs	Beaver, red-breasted sapsucker, red-winged blackbird, robin, small avian species, starlings, chickadee and geese. Beaver dam near photopoint 3 is no longer there.	Birds, tree frog and slug	Snakes, songbirds and flickers	Small avian species, beaver, snakes, dog, fish near photopoint 5, and the beaver dam remains present near photopoint 2
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 6  
ESP Site Record

ESP Site Record:  
Middle Waterway, City

Observational Categories	8/9/2011 (City)	10/27/11 (CHB)	12/13/11 (CHB)	2/14/12 (City)	4/19/12 (CHB)	6/6/2012 (CHB)	8/15/2012 (City)
<b>Human Impacts</b>	Some dumping of yard debris near the storm outfall was noted along with minor other trash	None noted	None noted	The City placed some wood in the upper marsh for diversity.	Trash is present, including a pile of rubber coated cables near the power pole in the SW corner	No trash noted.	Minor trash
<b>Erosion</b>	An area of erosion was observed between the side riparian and the side marsh	None noted	None noted	No new areas noted	None noted	None noted	No new areas noted
<b>Weeds</b>	Blackberry, reed canary grass, thistle, white sweet clover and morning glory were noted.	Common tansy, blackberry, reed canary grass and small amounts of white sweet clover were noted.	Species noted include reed canary grass, St. John's wort, common tansy and blackberry	No new invasive species were noted.	Reed canary grass, vetch, white sweet clover and blackberry	Invasive species noted include blackberry, curled dock, vetch, reed canary grass, St. John's wort, dune tansy and white sweet clover.	No new species noted
<b>Fencing</b>	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
<b>Plantings</b>	Fifty percent survival in the side riparian area and 80% in the high marsh were estimated	The rushes, tufted hair grass and salt grass planted in the marsh appear healthy, while more limited survival of the riparian species was noted.	Marsh plants generally look good, while mixed success with other species was noted.	Recent plantings did not do well	No change noted	Recently planted shore pines are not doing very well. From other recent plantings, some of the shore pine, Oregon grape, Douglas fir, alder, snowberry, strawberry, maples, red-flowering currant and roses that survived. The tufted hairgrass is also doing well.	No change noted
<b>Flora</b>	Plants were dry with many showing drought stress. Fleshy jaumea is becoming well established and was noted in many more areas than before. Volunteer gumweed, Oregon ash and oak were observed in the riparian area and pickleweed and saltgrass were noted in the marsh. Maple leaves had been eaten. Rose was doing notably well.	Overall site appears healthy with numerous tree, shrub, and marsh species noted as doing well.	Overall site looks good. Grasses and blackberry along the boatyard fence are thick and limiting growth of roses, so should be removed. Strawberry, red-flowering currant and lupine noted as looking good as well as marsh plants.	Overall vegetation is looking good. There are a few areas of reed canary grass. No new volunteer species were noted.	Willow, roses, cottonwood, shore pine, lupine and strawberry are doing well in the riparian area, and pickleweed, rushes and salt grass were noted as doing well in the marsh	Overall the vegetation is doing well. Lupine, oak, and sheep sorrel are volunteering. Cottonwood, alder, willow and shorepine were noted as doing well along the perimeter and maple, oak, shore pine, big leaf maple, rose and ocean spray are doing well in the side riparian.	Continued successful spread of the plants in the salt marsh was observed. No new volunteer species were identified.
<b>Fauna</b>	Seagulls, dog, bees, killdeer and a rabbit	Bufflehead duck	Ducks	Seagull	None noted	Crows	Geese, bunny, seagulls, terns, great blue heron and coyote tracks/scat
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 7  
ESP Site Record

ESP Site Record:  
Middle Waterway, Simpson

Observational Categories	8/9/2011 (City)	10/27/11 (CHB)	12/13/11 (CHB)	2/14/12 (City)	4/19/12 (CHB)	6/6/2012 (CHB)	8/15/2012 (City)
<b>Human Impacts</b>	Minor trash on site under the trees at the south end	Human and dog prints along the path	One man was onsite taking a walk. Minor trash was present. The firewood that was present on the site is gone.	None noted	None noted	Minor trash	An unoccupied tent was found in the conifers at the south end of the site. Minimal trash associated with the tideline was observed.
<b>Erosion</b>	Minor noted at the head of the waterway	None noted	None noted	None noted	Minor erosion was noted along the berm	None noted	None noted
<b>Weeds</b>	Knapweed, blackberry and butterfly bush	Blackberry, wild pea and St John's wort noted	No new noted	No new species were noted	Wild pea and blackberry were noted	Wild pea, vetch blackberry, St. John's wort and curled dock were noted	Sweet pea has been pulled
<b>Fencing</b>	Same as before	No change noted. Goose exclusion nodes have been removed.	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Plantings</b>	Ninety percent survival of recent plantings was estimated	The dune grass planted 2 years ago and the pickleweed planted in 2010 are both doing very well. The Oregon grape and strawberry also appear healthy while the evergreen huckleberry did not do as well.	Roses and Oregon grape were noted as doing quite well.	No change noted	Strawberries are doing very well	No change noted	No change noted
<b>Flora</b>	The site was dry with some drought stress noted. Some carex was noted near photo point 5. A small amount of fleshy jaumea was also found. Pickleweed is doing well.	Overall site appears healthy. A few volunteer roses were noted. Most trees are doing well, although a few dead or dying trees were noted. Most shrubs and marsh plants are also doing quite well.	Generally the site appears healthy. Dune grass is doing quite well as well as strawberry and red-flowerig currant.	Overall site appears healthy. No new volunteer species were observed.	Overall site is doing very well. Oregon grape, red-flowering currant, snowberry, rose, cottonwood, lupine and Douglas fir are all doing quite well in the riparian area, and dunegrass, saltgrass and pickleweed are all doing well in most areas.	Overall the vegetation is doing well and the site appears quite healthy. Gumweed were noted as volunteering, along with roses and strawberry. An oak, alder and shore pine were also noted. The dune grass has spread considerably	Pickleweed volunteers are spreading and look good. Some drought stress throughout the site was observed.
<b>Fauna</b>	Woodpecker, great blue heron, sand piper and swallow	Great blue heron and other water fowl	Seagulls and water fowl as well as dog footprints	Seagull and dog	None noted	Heron, rabbit, killdeer and terns	Great blue heron, crow and seagulls
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 8  
ESP Site Record

ESP Site Record:  
Olympic View, City/DNR

Observational Categories	8/9/2011 (City)	10/27/11 (CHB)	12/3/11 (CHB)	2/14/12 (City)	4/19/12 (CHB)	6/16/2012 (CHB)	8/15/2012 (City)
<b>Human Impacts</b>	Minor trash	Minor trash	None noted	None noted	Minor trash	None noted	Minor trash
<b>Erosion</b>	Small amount at the point and along the front of the OVT berm	Many of the willows along the embankment have exposed roots due to erosion	Same as before	Erosion is continuing along the face of the project area as well as along the western border and at the mouth. There is an increase in gravels present near the corner of the warehouse and the pipes.	Same as before - continued erosion on the outer face of the berm. The slope of the beach has increased and there continues to be only a small opening for water to flow out of the marsh.	Same as before - considerable water remains in marsh at a low tide. Does not flush out the water - considerable algae build up	No change noted. There is virtually no opening at the mouth now as the gravels have nearly pushed across. There was no standing water in the marsh at the time of the inspection.
<b>Weeds</b>	A large amount of St. John's wort was noted throughout the site	Considerable St. John's wort still present. Tansy ragwort and a few thistle were also noted.	No new noted	Some blackberry was observed on the western border	Possible poison hemlock present, along with tansy ragwort and thistle.	Pepperweed, St. John's wort, tansy ragwort, thistle, dandelions and poison hemlock.	Wild fennel, blackberry and pepperweed
<b>Fencing</b>	The perimeter fencing could be removed, and GED should be removed as it is falling down and impacting establishing vegetation	No change noted	The front section of the fencing at the OVT site is leaning	GED in marsh needs to be removed as soon as possible	Same as before	No change noted	The GED in the marsh has been removed
<b>Plantings</b>	No recent plantings	Only two willow stakes appear to have survived.	Planting occurring at the time of the inspection	Good survival of recent plantings near gate was noted	Continued good survival of the riparian plants put in last fall near the gate. Plants put in closer to the edge including gumweed and potentilla had lesser success.	Some of the healthy plants are getting overgrown. Seven of the recently placed plants did not survive.	The plantings by the gate are doing very well.
<b>Flora</b>	Salt marsh vegetation is minimal, but encouraging - scirpus, salt grass, pickleweed, orache and potentilla were observed. Some rabbit damage was identified. Some of the willows are doing very well while some are dead or showing drought stress.	Overall the site is doing well. Shore pine, rose, cottonwood, alder, snowberry, willow, Oregon grape, pearly everlasting, red goose foot and coastal strawberry were all noted as doing well. Some herbivory by rabbits was noted. There are a few volunteer willow present.	Overall the site appears healthy. There is sparse vegetation in the marsh, including silverweed, coastal strawberry and pearly everlasting. The snowberry roses, shore pine, Oregon grape and willow were all noted as doing well.	Overall vegetation appears healthy. No new volunteer species were observed.	Overall the site is doing well, with willow, shore pine, snowberry, roses and Oregon grape noted as doing well in various areas.	Overall the site appears healthy. Pearly everlasting, roses, fireweed, daisy, birdsfoot trefoil, buttercups and gumweed were noted as volunteering. Numerous other species were noted as doing well, including ninebark, madrone, willow, roses, snowberry, and several others.	The site is very dry and essentially no plants are present in the central portion of the marsh. Orache and potentilla are present and healthy. Upland area is also showing some drought stress.
<b>Fauna</b>	Caspian tern, seagull chicks, geese, rabbit and crow	Goose skull	None noted	Ducks	Nesting geese with babies in the backshore area between the sites	Geese and evidence of rabbits	Geese, seagulls and Caspian terns
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 9  
ESP Site Record

ESP Site Record:  
Tahoma Salt Marsh

Observational Categories	8/9/2011 (City)	10/20/11 (CHB)	12/9/11 (CHB)	2/14/12 (City)	4/20/12 (CHB)	6/6/2012 (CHB)	8/15/2012 (City)
<b>Human Impacts</b>	Two firepits were found on the outer island.	Minor trash present	None noted	None noted	Minor trash	One person was present along the outer edge of the site but no human impacts were noted	A firepit and shovel were found on the east side of the site. The shovel was removed and the firepit will be dismantled.
<b>Erosion</b>	Minor in the area of recent planting	None noted	None noted	None noted	None noted	None noted	None noted
<b>Weeds</b>	Thistle, reed canary grass and blackberry were noted.	Blackberry, reed canary grass, thistle and minor amounts of tansy ragwort were identified	No new noted	No new invasive species were observed	Reed canary grass, vetch, buttercup, thistle and tansy ragwort	Reed canary grass, vetch, blackberry, thistle and curled dock	Reed canary grass
<b>Fencing</b>	GED in fair condition	No change noted	Some of the GED is leaning and some of the string is missing. It can be removed.	GED should be removed	No change noted - GED still requires removal	No change noted	No change noted
<b>Plantings</b>	6 gumweed and some of the carex/hairgrass on the slope were uprooted by the tide. Others are doing well.	Marginal success of the recent planting was identified.	Same as before. It appears that 4 gumweed, 50+ tufted hair grass, and 40+ salt grass have survived.	No change noted	No change noted	Some of the tufted hairgrass has survived from the recent planting but very few others. None of the gumweed appears to have survived.	No change noted
<b>Flora</b>	The scirpus is well established and brass buttons are populating more of the site. Many salt grass and pickleweed volunteers were observed where none were before. The site is dry. Taller weeds need to be removed from around trees and shrubs. Cottonwood was volunteering in the riparian area and fleshy jaumea in the marsh.	Overall the site appears healthy. Thimbleberry is volunteering and many tree and shrub species were noted as doing well in the riparian area. The marsh plants are also doing quite well.	Site appears generally healthy. Oregon grape, spruce, Douglas fir, shore pine, black twinberry, red-flowering currant and ocean spray are all doing notably well.	Vegetation appears healthy. Red-flowering currant is blooming and Oregon grape is budding. A couple of small swordferns were observed on the island rocks.	Most all species were noted as doing very well. Potential red-flowering currant and thimbleberry volunteering.	Overall the vegetation is doing quite well with spring growth. The backshore/marsh plants are coming in nicely. Most all plants are thriving throughout the site.	The successful growth in the riparian area has caused many of the photopoints to be obsolete and relocation should be considered. There are lots of pickleweed volunteers with almost 80% coverage in the marsh. Some drought stress was noted.
<b>Fauna</b>	Crabs, dog, sand fleas, mussels, barnacles and deer	None noted	None noted	Geese, ducks, hummingbird, shorebirds and other small avian species	Small avian species and geese	Small avian species	Seagulls, crow, sand fleas and evidence of a dog
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 10  
ESP Site Record

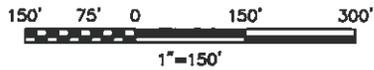
ESP Site Record:  
Swan Creek

Observational Categories	8/11/2011 (City)	10/20/11 (CHB)	12/17/11 (CHB)	2/14/12 (City)	5/1/12 (CHB)	6/21/2012 (CHB)	8/15/2012 (City)
<b>Human Impacts</b>	Trash from removal of LRSS remains and has pushed farther onto the site.	Construction occurring on the adjacent property. A bull dozer was pushing debris onto the site. Other minor trash is also present.	Pile of wood and debris from adjacent site is still present	Minor trash, and the pile of debris from the adjacent site is still present	No change noted	No change noted	Site is doing better now that the LRSS is gone as there is less evidence of human presence.
<b>Erosion</b>	None noted	None noted	None noted	None noted	None noted	None noted	Channel B is eroded around the blocks and the initial dam from wetland to channel B is vegetated
<b>Weeds</b>	Hop vine was found at the north end of the site growing with the morning glory. Policeman's helmet needs to be pulled on the far side of the creek.	Blackberry, reed canary grass and common tansy were noted	No new noted	No new invasive species were observed	Scot's broom, vetch, dandelions, curled dock, thistle, reed canary grass, blackberry and Herb Robert were noted	Reed canary grass, blackberry, common tansy and dandelions were noted	Reed canary grass is present along the creek in the back of the site. Yellow flag iris, nightshade and policeman's helmet were also observed.
<b>Fencing</b>	Both chain and rope that have been placed between the bollards have been taken so the fence requires repair again.	Same as before	No change	No change	No change noted - fencing still requires repair	No change noted	No change noted - needs either replacement or removal. Road Access is now blocked mid-way with vegetation.
<b>Plantings</b>	Maintenance around the plants at the north end is needed in order to evaluate survival. Minor beaver damage was noted. Some drought stress was also identified.	No recent plantings	No recent plantings	No recent plantings	Recently planted shore pine were surviving, but cedar were brown and dry	Some of the recently planted shore pine are doing well and one had new growth. Others were not visible due to the presence of tall grass, so their condition is unknown.	No change noted.
<b>Flora</b>	Willow and alder are starting to establish by Photopoint 1.	Overall the site is doing well. Chicory was noted as volunteering. Oregon grape, snowberry, alder, rose, cottonwood and red-flowering currant were all noted as doing well	Overall site appears healthy. The beaver is still actively working at the site. The Oregon grape continues to thrive, and several young Douglas fir and a young cedar were noted to be doing quite well. There were two madrones with dark and spotty leaves.	Some storm damage was noted, including downed cottonwood limbs and a large clump of alders that is leaning. Other trees down from beaver activity. Oregon grape is budding and Indian plum is almost in bloom. Overall site appears healthy.	Overall, the vegetation at the site is doing well. There were many large leaf avens along the creek. The red-flowering currant was in bloom as was the red elderberry. Roses, snowberry, maple, alder. Oregon grape and willow are all doing well.	Overall the vegetation is doing well. Volunteer bird's foot trefoil, sheep sorrel and buttercup are present. Most of the tree and shrub species are doing well. Some of the smaller cottonwood leaves were spotty and the grand fir was noted to be slightly yellow.	Plants on the island look good. Oceanspray and ninebark are doing the best, with actual green leaves! Chokeyberry and chickory are volunteering. Minor gall was noted on the willows.
<b>Fauna</b>	Beaver, chickadee, cedar waxwing, crow, small avian species and kingfisher	Ducks and recent beaver activity	Ducks and a few live and several dead salmon were observed in the creek	Seagull, beaver, hooded merganser, bufflehead and mallard ducks, and small avian species	Only evidence of beaver was noted	None noted	Beaver, small avian species and ducks
<b>Photo-documentation</b>	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

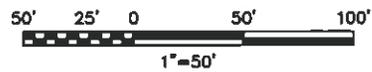
Table 11  
ESP Site Record

ESP Site Record:  
Lower Hylebos Habitat  
Restoration Site

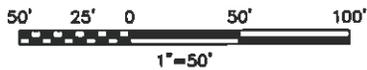
Observational Categories	4/20/2012 (CHB)	6/14/2012 (CHB)	8/14/2012 (City)
Human Impacts	None noted	None noted	None noted
Erosion	None noted	None noted	None noted
Weeds	Blackberry and thistle were noted	Invasive species present include blackberry, Scot's broom, dandelions, reed canary grass, tansy ragwort and thistle	Recent weedeating performed by others around the plants along with goose exclusion removal. No new invasive species were identified.
Fencing	Fencing is in good condition	No change	No change
Plantings	Plants appear healthy	The trees and shrubs are being overgrown by grasses and weeds	No change noted
Flora	Plants are generally doing well, although the grasses are growing up around them and should be removed, and potentially mulch rings could be placed around the planted trees and shrubs	Overall site vegetation is doing well. Considerable alder and maple volunteers are present, along with lupine, horsetail and foxglove. Alders, maple, Douglas fir, roses, ninebark and sedges were noted as doing particularly well.	Overall site looked good with minimal drought stress noted. Carex and Scirpus doing notably well. Brass buttons and spearscale were identified as volunteers. Approximately 50-70% of the grasses were damaged by the geese. Consider planting additional shrubs
Fauna	None noted	Mallard ducks, geese with babies and a great blue heron	Geese, ducks, killdeer and kingfisher
Photo-documentation	Not taken	Not taken	Taken



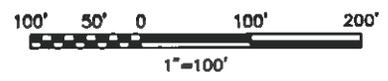
YOWKWALA



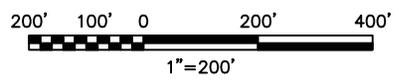
# SKOOKUM WULGE



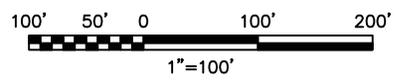
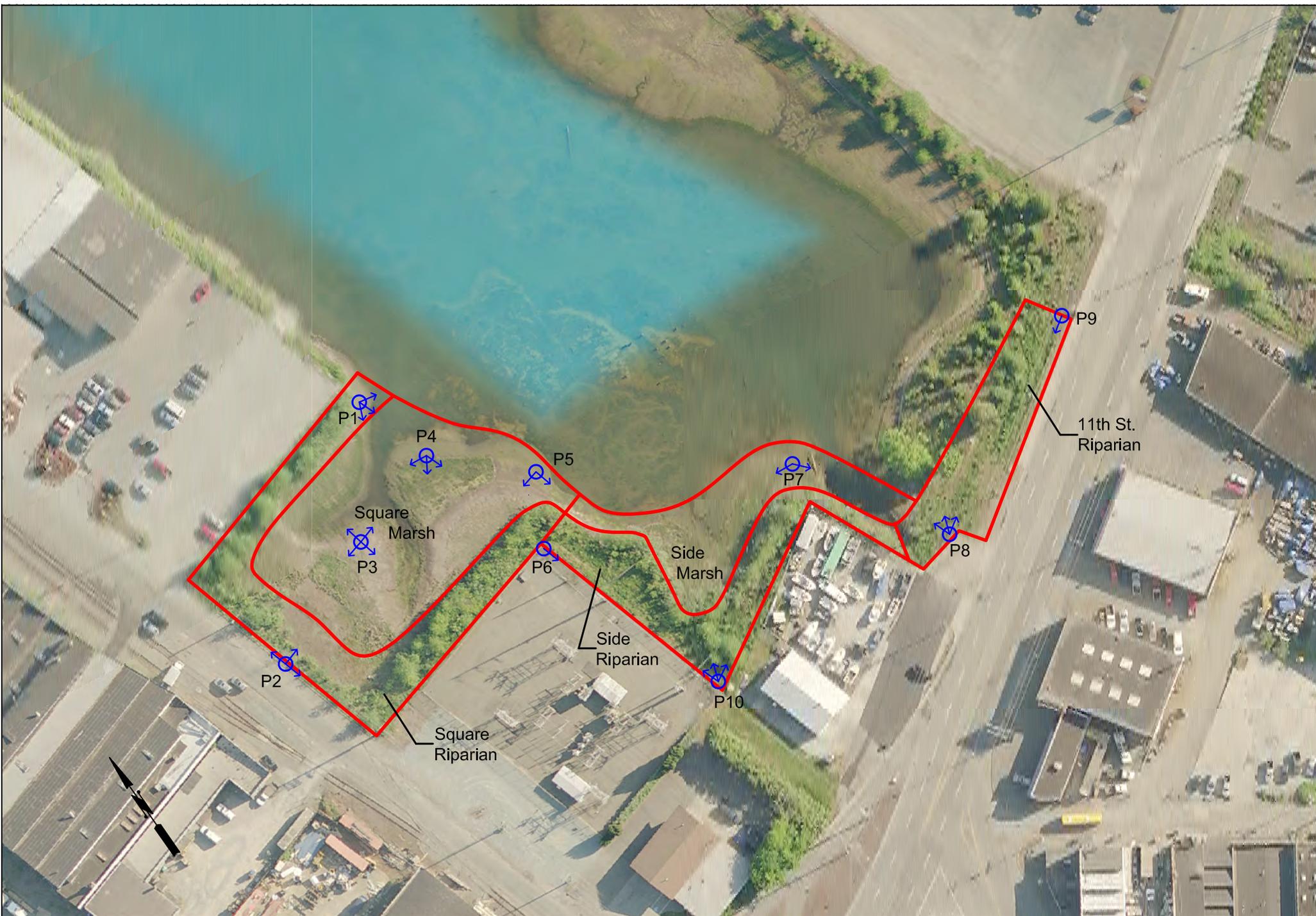
# SQUALLY BEACH



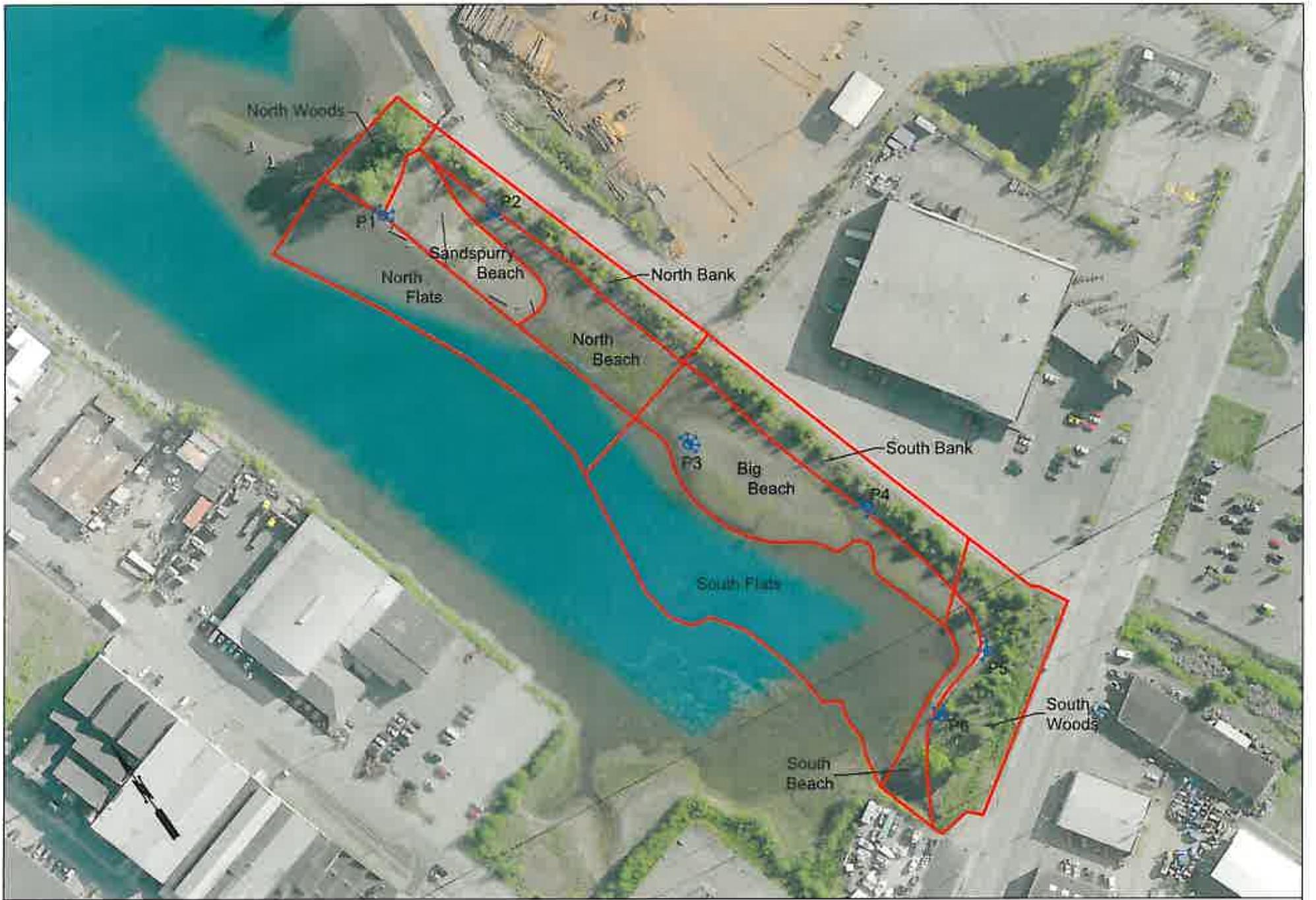
# MOWITCH - HEAD OF HYLEBOS



# JORDAN/LOWER HYLEBOS MARSH



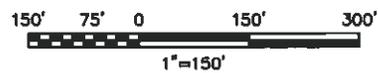
# MIDDLE WATERWAY, CITY



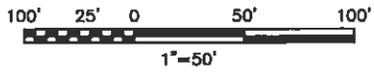
# MIDDLE WATERWAY, SIMPSON



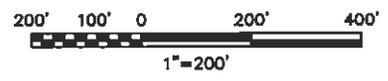
150' 75' 0 150' 300'  
1"=150'



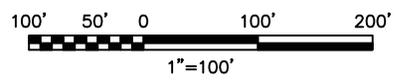
# OLYMPIC VIEW, CITY & WDNR



# TAHOMA SALT MARSH



# SWAN CREEK



**HAUFF**



## **Attachment 2**

### **Photos and Field Forms**

**Yowkwala**



YWK PP1 IMG\_0043 (looking E) 2012-08-14 11-03-48



YWK PP2 IMG\_0044 (looking E) 2012-08-14 11-17-14



YWK PP2 IMG\_0045 (looking NE) 2012-08-14 11-17-21



YWK PP2 IMG\_0046 (looking NW) 2012-08-14 11-17-34



YWK PP2 IMG\_0047 (looking W) 2012-08-14 11-17-38



YWK PP3 IMG\_0048 (looking E) 2012-08-14 11-22-52



YWK PP3 IMG\_0049 (looking N) 2012-08-14 11-23-01



YWK PP3 IMG\_0050 (looking NE) 2012-08-14 11-23-07



YWK PP3 IMG\_0051 (looking NW) 2012-08-14 11-23-13



YWK PP3 IMG\_0052 (looking W) 2012-08-14 11-23-21



YWK PP4 IMG\_0053 (looking E) 2012-08-14 11-29-49



YWK PP4 IMG\_0054 (looking NE) 2012-08-14 11-29-54



YWK PP4 IMG\_0055 (looking NW) 2012-08-14 11-30-06



YWK PP4 IMG\_0056 (looking W) 2012-08-14 11-30-12



YWK PP5 IMG\_0057 (looking NW) 2012-08-14 11-35-01



YWK PP5 IMG\_0058 (looking W) 2012-08-14 11-35-08



YWK PP6 IMG\_0059 (looking SW) 2012-08-14 11-37-11



YWK PP6 IMG\_0060 (looking W) 2012-08-14 11-37-17

## Environmental Stewardship Project Qualitative Ground Survey

Date: 8.14.12 Time: 10:45 am

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle) Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): M. Henley, D. Pochley Weather: Sunny

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	<del>none</del> <u>shorepine best survival</u>	<u>shorepine, snowberry,</u>	
Plant Damage by animals (percent damage)	<u>none noted</u>		
Plant Vigor (list species)	<u>shorepine,</u>		
Plant Disease/Stress (percent by species)	<u>none noted</u>		
Supplemental Planting Needed	<u>yes</u>		
Human Impacts (general)	<del>none</del> <u>minor</u>	<u>trash assoc</u>	<u>high tide line</u>
Trash (volume)	<u>none noted</u>	<u>assoc w/ high tide line</u>	
Vandalism (extent)	<u>OK</u>		
Perimeter Fencing (condition/maintenance needs)		<u>none</u>	
Goose Exclusion Fencing (condition/maintenance needs)		<u>yes/yes</u>	
Large Woody Debris (recruitment, presence)	<u>NOT at this time</u>		
Mulch (quantity needed)	<u>no significant</u>		
Erosion/Sedimentation			

**Vegetation:**

Invasive Species and Location:	<u>pepperweed, rumpus grass</u>
Volunteer Species and Location:	

General Vegetation Notes: butterfly bush / BB dominant.

Wildlife Notes (Species observed, other evidence):

seagulls, crow, sm. avian species, diti

General Comments:

floating cut grassweed deposited at high tide line, & laurel fice plant (good waste?)  
 Very dry.  
 Invasives still present upland & on adjacent properties.

Photo Points (Record Picture # and Time): Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site: YWK.  
 Date: 8.14.12

Site:	P 1	P 2	P 3	P 4
P 5	10:52 am	10:59	11:05	11:11 am
11:15				
P				

**Skookum Wulge**



SKW PP1 IMG\_0025 (looking S) 2012-08-14 10-19-15



SKW PP1 IMG\_0026 (looking SE) 2012-08-14 10-19-18



SKW PP2 IMG\_0027 (looking N) 2012-08-14 10-21-44



SKW PP2 IMG\_0028 (looking NE) 2012-08-14 10-21-51



SKW PP2 IMG\_0029 (looking S) 2012-08-14 10-22-02



SKW PP2 IMG\_0030 (looking SW) 2012-08-14 10-22-06



SKW PP3 IMG\_0031 (looking N) 2012-08-14 10-24-54



SKW PP3 IMG\_0032 (looking NE) 2012-08-14 10-25-06



SKW PP3 IMG\_0033 (looking S) 2012-08-14 10-25-12



SKW PP3 IMG\_0034 (looking SE) 2012-08-14 10-25-27



SKW PP4 IMG\_0035 (looking E) 2012-08-14 10-27-27



SKW PP4 IMG\_0036 (looking N) 2012-08-14 10-27-36



SKW PP4 IMG\_0037 (looking NE) 2012-08-14 10-27-57



SKW PP5 IMG\_0038 (looking N) 2012-08-14 10-29-38



SKW PP5 IMG\_0039 (looking NE) 2012-08-14 10-29-44



SKW PP6 IMG\_0040 (looking N) 2012-08-14 10-32-06



SKW PP6 IMG\_0041 (looking S) 2012-08-14 10-32-15



SKW PP6 IMG\_0042 (looking W) 2012-08-14 10-32-22

## Environmental Stewardship Project Qualitative Ground Survey

Date: 8.19.12 Time: 9:43am Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Poolley, M. Henley, I. Yanez, Weather: Sunny  
J. Riss,

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	<u>None</u>		
Plant Damage by animals (percent damage)	<u>none noted</u>		
Plant Vigor (list species)	<u>strawberry</u>		
Plant Disease/Stress (percent by species)	<u>none noted</u>	<u><del>strawberry</del> dune grass.</u>	
Supplemental Planting Needed			
Human Impacts (general)	<u>none noted.</u>	<u>remove one bag of garbage</u>	
Trash (volume)		<u>minor assoc. w/ high tide line</u>	
Vandalism (extent)	<u>none noted.</u>		
Perimeter Fencing (condition/maintenance needs)	<u>good.</u>		
Goose Exclusion Fencing (condition/maintenance needs)		<u>n/a</u>	
Large Woody Debris (recruitment, presence)		<u>yes yes.</u>	
Mulch (quantity needed)		<u>wouldn't hurt. 10cy?</u>	
Erosion/Sedimentation		<u>yes although no new sloughing.</u>	
Vegetation:			

Invasive Species and Location: Scotts broom starts on Jo. area.

Volunteer Species and Location:

Reed Canary Grass.

General Vegetation Notes: plant dune grass in fallen ~~fallen~~ <sup>stashed</sup> soils., some plants showing signs of drought stress., morning glory,

Wildlife Notes (Species observed, other evidence):

seal family (4-5), sm. avian species, Great Blue Heron, osprey fishing — he got it!

General Comments:

very dry, spot spy my, pull BB.

Photo Points (Record Picture # and Time):

Site:

SKW

Date:

8.14.12

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site:	P1	P2	P3	P4
P5	9:49 am	9:55	10:00	10:05
10:10 am	P6	P	P	P
P	10:13 am	P	P	P

## **Squally Beach**



SQB PP0 IMG\_0061 (looking N) 2012-08-14 11-56-20



SQB PP0 IMG\_0062 (looking E) 2012-08-14 11-56-31



SQB PP1 IMG\_0063 (looking E) 2012-08-14 11-57-17



SQB PP1 IMG\_0064 (looking SE) 2012-08-14 11-57-21



SQB PP2 IMG\_0065 (looking E) 2012-08-14 11-59-23



SQB PP2 IMG\_0066 (looking N) 2012-08-14 11-59-35



SQB PP2 IMG\_0067 (looking NE) 2012-08-14 12-00-49



SQB PP2 IMG\_0068 (looking NW) 2012-08-14 12-00-58



SQB PP2 IMG\_0069 (looking W) 2012-08-14 12-01-02



SQB PP3 IMG\_0070 (looking E) 2012-08-14 12-02-31



SQB PP3 IMG\_0071 (looking S) 2012-08-14 12-02-35



SQB PP3 IMG\_0072 (looking W) 2012-08-14 12-02-39



SQB PP4 IMG\_0073 (looking S) 2012-08-14 12-05-04



SQB PP4 IMG\_0074 (looking W) 2012-08-14 12-05-10



SQB PP4 IMG\_0075 (looking NW) 2012-08-14 12-05-17

## Environmental Stewardship Project Qualitative Ground Survey

Date: 8.14.12

Time: 11:35 am

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwa (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D Pooley, M. Henley

Weather: Sunny

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	n/a		
Plant Damage by animals (percent damage)	none noted.		
Plant Vigor (list species)	all doing well		
Plant Disease/Stress (percent by species)	some drought stress / gill on roses.		
Supplemental Planting Needed	not @ this time.		
Human Impacts (general)	minor trash		
Trash (volume)	minor assoc w/ high tide.		
Vandalism (extent)	none noted		
Perimeter Fencing (condition/maintenance needs)	n/a		
Goose Exclusion Fencing (condition/maintenance needs)	n/a		
Large Woody Debris (recruitment, presence)		yes/yes	
Mulch (quantity needed)	not @ this time.		
Erosion/Sedimentation	little - no significant.		

**Vegetation:**

Invasive Species and Location:	1 spartina plant removed by Spartina task force
Volunteer Species and Location:	

Call Lake ee: monitoring

General Vegetation Notes: great growth/coverage.

Wildlife Notes (Species observed, other evidence):

Sm. avian species,

General Comments:

Spartina. task force present (removed plants) under willows along the slope.

Photo Points (Record Picture # and Time):

Site: SAB  
Date: 8.14.12

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site:	P1	P2	P3	P4
P	11:39 am	11:41 am	11:46 am	11:45 am
P		P	P	P
P	11:57 am			
P		P	P	P

**Mowitch**



MOW PP1 IMG\_0001 (looking E) 2012-08-14 09-24-39



MOW PP1 IMG\_0002 (looking NE) 2012-08-14 09-24-50



MOW PP1 IMG\_0003 (looking N) 2012-08-14 09-24-58



MOW PP1 IMG\_0004 (looking SE) 2012-08-14 09-25-09



MOW PP2 IMG\_0005 (looking NE) 2012-08-14 09-26-17



MOW PP3 IMG\_0006 (looking W) 2012-08-14 09-28-05



MOW PP3 IMG\_0007 (looking SW) 2012-08-14 09-28-16



MOW PP4 IMG\_0008 (looking E) 2012-08-14 09-31-39



MOW PP4 IMG\_0009 (looking N) 2012-08-14 09-31-55



MOW PP4 IMG\_0010 (looking NW) 2012-08-14 09-32-03



MOW PP4 IMG\_0011 (looking SE) 2012-08-14 09-32-12



MOW PP5 IMG\_0012 (looking E) 2012-08-14 09-33-30



MOW PP5 IMG\_0013 (looking N) 2012-08-14 09-33-42



MOW PP5 IMG\_0014 (looking NE) 2012-08-14 09-33-55



MOW PP5 IMG\_0015 (looking NW) 2012-08-14 09-34-04



MOW PP5 IMG\_0016 (looking SE) 2012-08-14 09-34-18



MOW PP6 IMG\_0017 (looking S) 2012-08-14 09-35-46



MOW PP6 IMG\_0018 (looking SW) 2012-08-14 09-35-53



MOW PP7 IMG\_0019 (looking E) 2012-08-14 09-38-13



MOW PP7 IMG\_0020 (looking N) 2012-08-14 09-38-20



MOW PP7 IMG\_0021 (looking NW) 2012-08-14 09-38-25



MOW PP7 IMG\_0022 (looking SE) 2012-08-14 09-38-33



MOW PP8 IMG\_0023 (looking N) 2012-08-14 09-40-53



MOW PP8 IMG\_0024 (looking NW) 2012-08-14 09-40-56

## Environmental Stewardship Project Qualitative Ground Survey

Date: 8.14.12 Time: 9:45 am

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MCWA) Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Pooley, M. Henley, Weather: Sunny  
S. Holdener, L. Yáñez, J. Riss

Qualitative Observations:

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	na		
Plant Damage by animals (percent damage)	none noted		
Plant Vigor (list species)	rose, lupine, ocean spray		
Plant Disease/Stress (percent by species)	drought stress		
Supplemental Planting Needed	not @ this time		
Human Impacts (general)	none noted.		
Trash (volume)		X minor	
Vandalism (extent)	none noted.		
Perimeter Fencing (condition/maintenance needs)	OK.		
Goose Exclusion Fencing (condition/maintenance needs)			
Large Woody Debris (recruitment, presence)		none / removed	
Mulch (quantity needed)	some on-site	no / yes	
Erosion/Sedimentation		no significant	

Vegetation:

Invasive Species and Location: phragmites (needs to be painted, sprayed? digging not working)

Volunteer Species and Location: potentilla?

*double aster spear scale,*  
 General Vegetation Notes: sm. salt grass dominant on most no. island. brass buttons colonizing  
 cherry tree, phragmites, <sup>seen on opp.</sup> pepperweed out @ end npanah - large patch.  
 Wildlife Notes (Species observed, other evidence):  
 King fisher, ducks, seagulls, canada geese, grebe (blk w/ prominent yellow bill)

General Comments:

nothing to be cut, site dry, most rip. plants showing drought stress.  
 caterpillars seen in some alders near outer  
 mid-site - one bare dry area = elev 13ish? w/ napkin -  
 maybe someone sitting there repeatedly?

Photo Points (Record Picture # and Time):

Site: MON  
 Date: 8/14/12

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site: MON	P1	P2	P3	P4
	9:07 am	9:08	9:12	9:15
P5	P6	P7	P8	P
9:18	9:20	9:21	9:23 am	
P	P	P	P	P

## **Jordan / Lower Hylebos Marsh**



JOR PP1 IMG\_0076 (looking S) 2012-08-14 13-14-29



JOR PP1 IMG\_0077 (looking SE) 2012-08-14 13-14-32



JOR PP2 IMG\_0078 (looking N) 2012-08-14 13-19-33



JOR PP2 IMG\_0079 (looking NW) 2012-08-14 13-19-55



JOR PP2 IMG\_0080 (looking S) 2012-08-14 13-20-00



JOR PP2 IMG\_0081 (looking SE) 2012-08-14 13-20-07



JOR PP3 IMG\_0082 (looking N) 2012-08-14 13-24-44



JOR PP3 IMG\_0083 (looking S) 2012-08-14 13-24-48



JOR PP3 IMG\_0084 (looking W) 2012-08-14 13-24-52



JOR PP4 IMG\_0085 (looking N) 2012-08-14 13-29-20



JOR PP4 IMG\_0086 (looking NW) 2012-08-14 13-29-24



JOR PP4 IMG\_0087 (looking S) 2012-08-14 13-29-29



JOR PP4 IMG\_0088 (looking SE) 2012-08-14 13-29-33



JOR PP5 IMG\_0089 (looking NW) 2012-08-14 13-32-17



JOR PP5 IMG\_0090 (looking S) 2012-08-14 13-32-25



JOR PP5 IMG\_0091 (looking W) 2012-08-14 13-32-49

**Environmental Stewardship Project  
Qualitative Ground Survey**

Date: 8.14.12 Time: 12:30 pm

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwa (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Pooley, M. Henley

Weather: Sunny

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	good - some covered by BB		debris piles.
Plant Damage by animals (percent damage)	minor - beaver.		
Plant Vigor (list species)	All		
Plant Disease/Stress (percent by species)	none noted.		
Supplemental Planting Needed	in area E of trail where COF removed blackberry.		
Human Impacts (general)	none noted - minor fishing/social trail		
Trash (volume)	minimal		
Vandalism (extent)	none noted.		
Perimeter Fencing (condition/maintenance needs)	n/a		
Goose Exclusion Fencing (condition/maintenance needs)	n/a		
Large Woody Debris (recruitment, presence)		n/a.	
Mulch (quantity needed)	not @ this time.		
Erosion/Sedimentation	none noted.		

**Vegetation:**

Invasive Species and Location:	<u>1 purple loosestrife, Reed Canary Grass.</u>
Volunteer Species and Location:	<u>no new noted.</u>

EarthCoeps noted no RCG under alders b4t Platforms 1 & 2; soils.  
 General Vegetation Notes: Good coverage, evergreens growing nicely

Wildlife Notes (Species observed, other evidence):  
 sm. avian species, beaver, snakes, dog, fish near P5.  
 beaver dam present near P2 - see pics

General Comments:  
 Platform 1 (one spindle knocked loose)  
 walked down to 8th.  
 fresh gravel on path.

Photo Points (Record Picture # and Time):  
 Site: JOR  
 Date: 2/14/12  
 Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site: JOR	P 1	P 2	P 3	P 4
	12:55 pm	1 pm	1:05 pm	1:09 pm
P 5	P	P	P	P
	1:15 pm			
P	P	P	P	P

## **Middle Waterway-City**



MWC PP1 IMG\_0063 (looking S) 2012-08-15 14-12-57



MWC PP1 IMG\_0064 (looking SE) 2012-08-15 14-13-09



MWC PP1 IMG\_0065 (looking SW) 2012-08-15 14-13-19

MWC PP2 (looking E) Missing photo.



MWC PP2 IMG\_0066 (looking N) 2012-08-15 14-16-18



MWC PP2 IMG\_0067 (looking S) 2012-08-15 14-16-32



MWC PP3 IMG\_0068 (looking E) 2012-08-15 14-18-05



MWC PP3 IMG\_0069 (looking N) 2012-08-15 14-18-10



MWC PP3 IMG\_0070 (looking S) 2012-08-15 14-18-18



MWC PP3 IMG\_0071 (looking W) 2012-08-15 14-18-27



MWC PP4 IMG\_0072 (looking S) 2012-08-15 14-19-39



MWC PP4 IMG\_0073 (looking SW) 2012-08-15 14-19-51



MWC PP4 IMG\_0074 (looking W) 2012-08-15 14-19-54



MWC PP5 IMG\_0075 (looking S) 2012-08-15 14-21-08



MWC PP5 IMG\_0076 (looking W) 2012-08-15 14-21-15



MWC PP6 IMG\_0077 (looking S) 2012-08-15 14-22-49



MWC PP6 IMG\_0078 (looking SE) 2012-08-15 14-22-53



MWC PP7 IMG\_0081 (looking SE) 2012-08-15 14-27-25



MWC PP7 IMG\_0082 (looking W) 2012-08-15 14-27-35



MWC PP8 IMG\_0083 (looking N) 2012-08-15 14-33-42



MWC PP8 IMG\_0084 (looking NE) 2012-08-15 14-33-43



MWC PP8 IMG\_0085 (looking NW) 2012-08-15 14-33-47



MWC PP9 IMG\_0086 (looking SW) 2012-08-15 14-35-27



MWC PP9 IMG\_0087 (looking W) 2012-08-15 14-35-30



MWC PP10 IMG\_0079 (looking NE) 2012-08-15 14-24-52



MWC PP10 IMG\_0080 (looking NW) 2012-08-15 14-24-59

## Environmental Stewardship Project Qualitative Ground Survey

Date: 8.15.12 Time: 1:50 pm.

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwalla (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): M. Henley D Pooley Weather: Sunny & hot!

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	n/a		
Plant Damage by animals (percent damage)	none noted.		
Plant Vigor (list species)	All - OK		
Plant Disease/Stress (percent by species)	drought stress.		
Supplemental Planting Needed	not @ this time		
Human Impacts (general)	none noted.		
Trash (volume)	none		
Vandalism (extent)	none noted.		
Perimeter Fencing (condition/maintenance needs)	good.		
Goose Exclusion Fencing (condition/maintenance needs)	n/a		
Large Woody Debris (recruitment, presence)		yes/yes (minor)	
Mulch (quantity needed)	not @ this time		
Erosion/Sedimentation			
Vegetation:			
Invasive Species and Location:	no new noted.		
Volunteer Species and Location:	no new noted.		

Asso. w/ high-tide line  
 & minor on shore parallel to substation & waterway

General Vegetation Notes: *conifer count? under alder.  
good spread in salt marsh*

Wildlife Notes (Species observed, other evidence):  
*geese, bunny, gulls, terns, great blue heron, coyote tracks/scar*

General Comments:  
*12 years old!*

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Photo Points (Record Picture # and Time):

Site: *MNTC*  
Date: *8.15.12*

Site:	P 1	P 2	P 3	P 4
P 5	1:58 pm	1:55 pm.	1:58 pm	2 pm
2:05	P 6	P 7	P 8	P 9
P	2:08	2:15	2:17	2:19
	P	P	P	P

## **Middle Waterway-Simpson**



MWS PP1 IMG\_0041 (looking E) 2012-08-15 13-33-54



MWS PP1 IMG\_0042 (looking N) 2012-08-15 13-34-04



MWS PP1 IMG\_0043 (looking NE) 2012-08-15 13-34-15



MWS PP1 IMG\_0044 (looking SE) 2012-08-15 13-34-22



MWS PP2 IMG\_0045 (looking N) 2012-08-15 13-35-49



MWS PP2 IMG\_0046 (looking S) 2012-08-15 13-35-58



MWS PP2 IMG\_0047 (looking W) 2012-08-15 13-36-06



MWS PP3 IMG\_0048 (looking E) 2012-08-15 13-40-36



MWS PP3 IMG\_0049 (looking N) 2012-08-15 13-40-44



MWS PP3 IMG\_0050 (looking NE) 2012-08-15 13-40-55



MWS PP3 IMG\_0051 (looking S) 2012-08-15 13-41-03



MWS PP3 IMG\_0052 (looking SE) 2012-08-15 13-41-14



MWS PP4 IMG\_0053 (looking N) 2012-08-15 13-43-22



MWS PP4 IMG\_0054 (looking NW) 2012-08-15 13-43-26



MWS PP4 IMG\_0055 (looking S) 2012-08-15 13-43-32



MWS PP4 IMG\_0056 (looking SW) 2012-08-15 13-43-37



MWS PP5 IMG\_0057 (looking N) 2012-08-15 13-49-43



MWS PP5 IMG\_0058 (looking NE) 2012-08-15 13-49-46



MWS PP5 IMG\_0059 (looking W) 2012-08-15 13-49-53



MWS PP6 IMG\_0060 (looking N) 2012-08-15 13-51-14



MWS PP6 IMG\_0061 (looking NE) 2012-08-15 13-51-17



MWS PP6 IMG\_0062 (looking W) 2012-08-15 13-51-21

## Environmental Stewardship Project Qualitative Ground Survey

Date: 9.15.12 Time: 1:00 pm

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR) Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Poley, M. Henley Weather: Sunny

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	n/a		
Plant Damage by animals (percent damage)	none noted		
Plant Vigor (list species)	all - good		
Plant Disease/Stress (percent by species)	some drought stress		
Supplemental Planting Needed	not @ this time		
Human Impacts (general)	tent under cover/parallel to 11th.		
Trash (volume)	minimal w/ tide line		
Vandalism (extent)	none noted		
Perimeter Fencing (condition/maintenance needs)	n/a		
Goose Exclusion Fencing (condition/maintenance needs)	n/a		
Large Woody Debris (recruitment, presence)		yes / all wood that was anchored	- gone
Mulch (quantity needed)	not @ this time		
Erosion/Sedimentation		none noted	

**Vegetation:**

Invasive Species and Location:	sweet pea pulled.
Volunteer Species and Location:	

General Vegetation Notes: looks good, pickleweed volunteers - looks to be spreading

Wildlife Notes (Species observed, other evidence):

great blue heron, crow, gulls.

General Comments:

tent in containers (no trash)  
dry

Photo Points (Record Picture # and Time):

Site: MWS  
Date: 8.15.12

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site:	P 1	P 2	P 3	P 4
P 5	1:08 pm	1:11 pm	1:15 pm	1:22 pm
	P U	P	P	P
	1:29 pm			
P	P	P	P	P

## Olympic View



OVRA PP1 IMG\_0088 (looking S) 2012-08-15 14-50-52



OVRA PP1 IMG\_0089 (looking SW) 2012-08-15 14-50-57



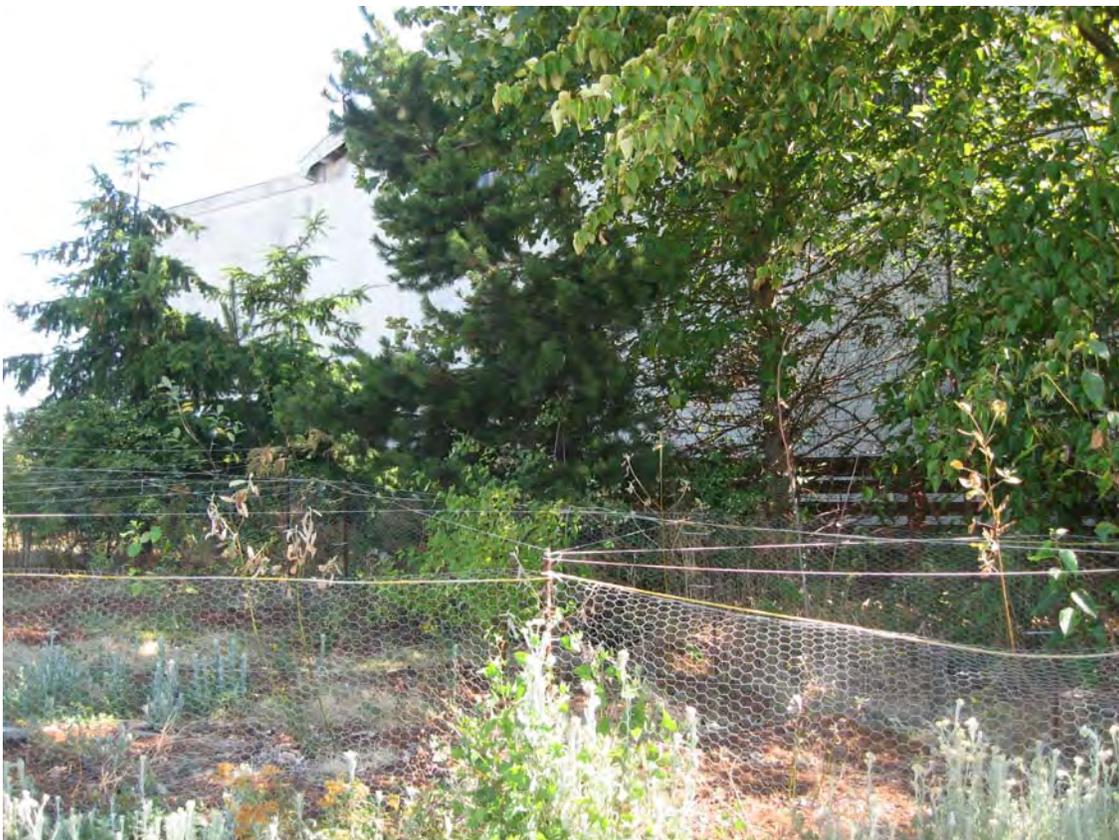
OVRA PP2 IMG\_0090 (looking SW) 2012-08-15 14-51-25



OVRA PP2 IMG\_0091 (looking W) 2012-08-15 14-51-31



OVRA PP3 IMG\_0092 (looking NE) 2012-08-15 14-53-47



OVRA PP3 IMG\_0093 (looking SE) 2012-08-15 14-54-08



OVRA PP3 IMG\_0094 (looking SW) 2012-08-15 14-54-18



OVRA PP4 IMG\_0095 (looking NE) 2012-08-15 14-56-35



OVRA PP5 IMG\_0096 (looking N) 2012-08-15 14-58-13



OVRA PP5 IMG\_0097 (looking SW) 2012-08-15 14-58-23



OVRA PP6 IMG\_0099 (looking E) 2012-08-15 15-02-05



OVRA PP6 IMG\_0100 (looking NE) 2012-08-15 15-02-12



OVRA PP6 IMG\_0101 (looking S) 2012-08-15 15-02-20



OVRA PP6 IMG\_0102 (looking SE) 2012-08-15 15-02-30



OVRA PP7 IMG\_0103 (looking N) 2012-08-15 15-04-28



OVRA PP7 IMG\_0104 (looking NW) 2012-08-15 15-04-37



OVRA PP7 IMG\_0105 (looking W) 2012-08-15 15-04-45



OVRA PP8 IMG\_0106 (looking E) 2012-08-15 15-06-14



OVRA PP8 IMG\_0107 (looking NE) 2012-08-15 15-06-23



OVRA PP8 IMG\_0108 (looking SE) 2012-08-15 15-06-38

**Environmental Stewardship Project  
Qualitative Ground Survey**

Date: 8.15.12

Time: 2:30 pm

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Pooley, M. Henley

Weather: Sunny ~~30°~~ hot!

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	good - by gate.		
Plant Damage by animals (percent damage)	none noted.		
Plant Vigor (list species)	all ok.		
Plant Disease/Stress (percent by species)	drought stress		
Supplemental Planting Needed	yes. - 1st figure out opening.		
Human Impacts (general)	none noted.		
Trash (volume)	minor assoc w/ high tide.		
Vandalism (extent)	none noted.		
Perimeter Fencing (condition/maintenance needs)	good		
Goose Exclusion Fencing (condition/maintenance needs)	gone	gone	
Large Woody Debris (recruitment, presence)	not @ this time	nd/yeo	
Mulch (quantity needed)			
Erosion/Sedimentation		yes	

**Vegetation:**

Invasive Species and Location:	Wild fennel, BB, pepperweed (watch)
Volunteer Species and Location:	

General Vegetation Notes: very dry, essentially no plants seen in marsh central along edges oxbow, potentilla.

Wildlife Notes (Species observed, other evidence):  
 geese, gulls, Caspian terns

General Comments:  
 See pic - almost no opening to mouth all gravel.  
 GFD has been removed and netting  
 no standing water in marsh.

Photo Points (Record Picture # and Time):  
 Site: QVRA  
 Date: 8.15.12  
 Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site:	P 1	P 2	P 3	P 4
P 5	2:31 pm	2:33 pm	2:35 pm	2:37 pm
P	2:42 pm	2:47 pm		
P				

↑  
 3x photo of channel.

## **Tahoma Salt Marsh**



TSM PP1 IMG\_0018 (looking NE) 2012-08-15 10-49-35



TSM PP1 IMG\_0019 (looking SE) 2012-08-15 10-49-45



TSM PP1 IMG\_0020 (looking SW) 2012-08-15 10-49-56



TSM PP2 IMG\_0021 (looking NE) 2012-08-15 10-51-10



TSM PP2 IMG\_0022 (looking NW) 2012-08-15 10-51-19



TSM PP2 IMG\_0023 (looking SE) 2012-08-15 10-51-25



TSM PP2 IMG\_0024 (looking SW) 2012-08-15 10-51-31

TSM PP3 (looking NE) Missing photo.



TSM PP3 IMG\_0025 (looking NW) 2012-08-15 10-55-54



TSM PP3 IMG\_0026 (looking SE) 2012-08-15 10-57-33



TSM PP3 IMG\_0027 (looking SW) 2012-08-15 10-57-38



TSM PP4 IMG\_0029 (looking NW) 2012-08-15 11-04-14



TSM PP4 IMG\_0030 (looking SW) 2012-08-15 11-04-27



TSM PP4 IMG\_0031 (looking W) 2012-08-15 11-04-55



TSM PP5 IMG\_0032 (looking E) 2012-08-15 11-07-16



TSM PP5 IMG\_0033 (looking NE) 2012-08-15 11-07-25



TSM PP5 IMG\_0034 (looking SW) 2012-08-15 11-07-38



TSM PP5 IMG\_0035 (looking W) 2012-08-15 11-07-53



TSM PP6 IMG\_0036 (looking E) 2012-08-15 11-10-35



TSM PP6 IMG\_0037 (looking NE) 2012-08-15 11-10-40



TSM PP6 IMG\_0038 (looking NW) 2012-08-15 11-10-45



TSM PP7 IMG\_0039 (looking NE) 2012-08-15 11-12-21



TSM PP7 IMG\_0040 (looking SE) 2012-08-15 11-12-25

# Environmental Stewardship Project Qualitative Ground Survey

Date: 8.15.17 Time: 10:20 am

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan Lower, Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Padley, M. Henley Weather: Sunny

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	n/a		
Plant Damage by animals (percent damage)	none noted		
Plant Vigor (list species)	*all good growth * good till in		
Plant Disease/Stress (percent by species)	some darkish streaks		
Supplemental Planting Needed	not @ this time		
Human Impacts (general)	none noted		
Trash (volume)	none noted		
Vandalism (extent)	" "		
Perimeter Fencing (condition/maintenance needs)	good.		
Goose Exclusion Fencing (condition/maintenance needs)	n/a		
Large Woody Debris (recruitment, presence)		yes/yes.	
Mulch (quantity needed)	not @ this time.		
Erosion/Sedimentation	none noted		

**Vegetation:**

Invasive Species and Location:	Red Canary Grass.
Volunteer Species and Location:	lots of pickleweed volunteers. Almost 80% coverage.

General Vegetation Notes:  
 great growth

Wildlife Notes (Species observed, other evidence):  
 gulls, crow, sand fleas(?), dog poop!!

General Comments:  
 photo pts almost obsolete  
 fire pit/shovel noted; shovel removed

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Photo Points (Record Picture # and Time):  
 Site: TRM  
 Date: \_\_\_\_\_

P 1	P 2	P 3	P 4
10:25	10:27	10:31	10:40
P 5	P 7	P	P
10:45	11 am		
P	P	P	P

## Swan Creek



SWN PP1 IMG\_0001 (looking N) 2012-08-15 08-57-12



SWN PP1 IMG\_0002 (looking NE) 2012-08-15 08-57-16



SWN PP1 IMG\_0003 (looking SE) 2012-08-15 08-57-21



SWN PP2 IMG\_0004 (looking NW) 2012-08-15 09-02-42



SWN PP2 IMG\_0005 (looking S) 2012-08-15 09-02-47



SWN PP2 IMG\_0006 (looking SE) 2012-08-15 09-02-54



SWN PP3 IMG\_0007 (looking S) 2012-08-15 09-04-47



SWN PP3 IMG\_0008 (looking E) 2012-08-15 09-04-57



SWN PP3 IMG\_0009 (looking NW) 2012-08-15 09-05-05



SWN PP4 IMG\_0010 (looking E) 2012-08-15 09-08-14



SWN PP4 IMG\_0011 (looking N) 2012-08-15 09-08-19



SWN PP4 IMG\_0012 (looking S) 2012-08-15 09-08-27



SWN PP5 IMG\_0013 (looking NE) 2012-08-15 09-40-09



SWN PP5 IMG\_0014 (looking N) 2012-08-15 09-40-12



SWN PP6 IMG\_0015 (looking N) 2012-08-15 10-23-11



SWN PP6 IMG\_0016 (looking S) 2012-08-15 10-23-15



SWN PP6 IMG\_0017 (looking W) 2012-08-15 10-23-19

## Environmental Stewardship Project Qualitative Ground Survey

Date: 8.15.12 Time: 8:30 am

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site (circle): Yowkwala (YWK), Skookum Wulge (SKW), Squally Beach (SQB), Mowitch (MOW), Jordan/Lower Hylebos Marsh (JOR), Middle Waterway - Simpson (MWS), Middle Waterway - City (MWC), Olympic View (OVRA), Tahoma Salt Marsh (TSM), Swan Creek (SWN)

Steward(s) Present (Volunteer, Staff): D. Pealey, M. Henley

Weather: Sunny

**Qualitative Observations:**

	Hillslope/Riparian	Backshore/Marsh	Beach (below 9 MLLW)
Survival of recent plantings	<u>n/a</u>		
Plant Damage by animals (percent damage)	<u>&lt; 1% beaver</u>		
Plant Vigor (list species)	<u>All -</u>		
Plant Disease/Stress (percent by species)	<u>gall on willow (minor)</u>		
Supplemental Planting Needed	<u>island</u>		
Human Impacts (general)	<u>minor</u>		
Trash (volume)	<u>minor</u>		
Vandalism (extent)	<u>none noted</u>		
Perimeter Fencing (condition/maintenance needs)	<u>none noted</u>		
Goose Exclusion Fencing (condition/maintenance needs)	<u>(needs replace or removal)</u>	<u>n/a</u>	
Large Woody Debris (recruitment, presence)	<u>n/a</u>		
Mulch (quantity needed)	<u>on island?</u>		
Erosion/Sedimentation	<u>none noted</u>		

**Vegetation:**

Invasive Species and Location:	<u>yellow flag iris, nightshade, Policeman's helmet.</u>
Volunteer Species and Location:	<u>Chokecherry, Chickoary</u>

Trees down

Reed Canary Grass along creek in back of site.

General Vegetation Notes:

Plants on island look good, better than I was expecting -  
ocean spray - have bark, doing the best. Actual green leaves, wide

has watered - mulched?

Wildlife Notes (Species observed, other evidence):

beaver, sm. avian species, ducks.

General Comments:

Channel is eroded around blocks -> dam is vegetated.  
walked entire site, stream level

no visible flow ~~far~~ at No. most end

Site doing better (less disturbance) now that if Red Smokeshack is gone.

Photo Points (Record Picture # and Time):

Site: SWM  
Date: 8.15.12

Year: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Site:	P 1	P 2	P 3	P 4
P 5	9:37 am	8:40 am	8:45 am	8:50 am
P	10:00 am			

## **Lower Hylebos Habitat Restoration Site**



LHRS PP1 IMG\_0092 (looking NE) 2012-08-14 14-18-54



LHRS PP1 IMG\_0093 (looking E) 2012-08-14 14-18-59



LHRS PP1 IMG\_0094 (looking SE) 2012-08-14 14-19-05



LHRS PP1 IMG\_0095 (looking S) 2012-08-14 14-19-10



LHRS PP2 IMG\_0096 (looking NE) 2012-08-14 14-21-47



LHRS PP2 IMG\_0097 (looking N) 2012-08-14 14-21-51



LHRS PP2 IMG\_0098 (looking NW) 2012-08-14 14-21-55



LHRS PP2 IMG\_0099 (looking W) 2012-08-14 14-21-58



LHHRS PP2 IMG\_0100 (looking SW) 2012-08-14 14-22-02



LHHRS PP2 IMG\_0101 (looking S) 2012-08-14 14-22-05



LHRS PP2 IMG\_0102 (looking SE) 2012-08-14 14-22-08



LHRS PP2 IMG\_0103 (looking E) 2012-08-14 14-22-12



LHRS PP3 IMG\_0104 (looking S) 2012-08-14 14-23-37



LHRS PP3 IMG\_0105 (looking SE) 2012-08-14 14-23-40



LHRS PP3 IMG\_0106 (looking E) 2012-08-14 14-23-44



LHRS PP3 IMG\_0107 (looking NE) 2012-08-14 14-23-47



LHHRS PP3 IMG\_0108 (looking N) 2012-08-14 14-23-51



LHHRS PP3 IMG\_0109 (looking NW) 2012-08-14 14-23-54



LHHRS PP3 IMG\_0110 (looking W) 2012-08-14 14-23-56



LHHRS PP3 IMG\_0111 (looking SW) 2012-08-14 14-23-59



LHRS PP4 IMG\_0112 (looking W) 2012-08-14 14-30-33



LHRS PP4 IMG\_0113 (looking NW) 2012-08-14 14-30-37



LHRS PP4 IMG\_0114 (looking N) 2012-08-14 14-30-40



LHRS PP4 IMG\_0115 (looking NE) 2012-08-14 14-30-44



LHHRS PP5 IMG\_0116 (looking SW) 2012-08-14 14-31-17



LHHRS PP5 IMG\_0117 (looking W) 2012-08-14 14-31-21



LHRS PP5 IMG\_0118 (looking NW) 2012-08-14 14-31-24



LHRS PP5 IMG\_0119 (looking N) 2012-08-14 14-31-28



LHRS PP5 IMG\_0120 (looking NE) 2012-08-14 14-31-32



LHRS PP5 IMG\_0121 (looking E) 2012-08-14 14-31-38



LHRS PP5 IMG\_0122 (looking SE) 2012-08-14 14-31-42



LHRS PP5 IMG\_0123 (looking S) 2012-08-14 14-31-47



LHHRS PP6 IMG\_0124 (looking W) 2012-08-14 14-33-20



LHHRS PP6 IMG\_0125 (looking NW) 2012-08-14 14-33-23

# **Attachment 3**

## **Task List**

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

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

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

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

**Attachment 4**  
**Financial Summary**

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,228.73	\$0.00	\$0.00	\$1,228.73
Reporting and Documentation (-02)	\$1,477.70	\$0.00	\$0.00	\$1,477.70
<b>Sub Total*</b>	<b>\$2,706.43</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,706.43</b>
Site Monitoring (-xx-01)	\$1,628.57	\$0.00	\$0.00	\$1,628.57
Site Maintenance (-xx-02)	\$0.00	\$193.25	\$0.00	\$193.25
WCC Crew (\$48.08/hr)	\$8,269.76	\$0.00	\$0.00	\$8,269.76
Adaptive Maintenance (-xx-03)	\$0.00	\$0.00	\$0.00	\$0.00
General Maintenance and Monitoring (-30)	\$0.00	\$2,784.56	\$0.00	\$2,784.56
<b>Sub Total</b>	<b>\$9,898.33</b>	<b>\$2,977.81</b>	<b>\$0.00</b>	<b>\$12,876.14</b>
<b>Grand Total</b>	<b>\$12,604.76</b>	<b>\$2,977.81</b>	<b>\$0.00</b>	<b>\$15,582.57</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$18,432.52	\$323.12	\$0.00	\$18,755.64
\$19,268.57	\$0.00	\$0.00	\$19,268.57
<b>\$37,701.09</b>	<b>\$323.12</b>	<b>\$0.00</b>	<b>\$38,024.21</b>
\$12,017.01	\$0.00	\$0.00	\$12,017.01
\$97.19	\$6,212.41	\$0.00	\$6,309.60
\$89,706.20	\$0.00	\$0.00	\$89,706.20
\$9,380.38	\$12,868.02	\$0.00	\$22,248.40
\$1,416.96	\$50,859.46	\$0.00	\$52,276.42
<b>\$112,617.74</b>	<b>\$69,939.89</b>	<b>\$0.00</b>	<b>\$182,557.63</b>
\$150,318.83	\$70,263.01	\$0.00	\$220,581.84

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

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Capital Outlay	Grand Total
Project Management (-01)	\$1,228.73	\$0.00	\$0.00	\$1,228.73

Life to 09/30/12

Personnel Service	Supplies & Service	Capital Outlay	Grand Total
\$18,432.52	\$323.12	\$0.00	\$18,755.64

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
07/01/2012 To 10/31/2012

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

Doc. Date	Project	Cost Elem	Cost Elem Name	Val in RC	Empl	Partner Object
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	339.45		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-03
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	321.26		ENV-00371-02
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	409.04		ENV-00371-14
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-09
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	135.78		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	467.29		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-07
09/05/2012	ENV-00371	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-20
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	543.12		ENV-00371-02
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	146.03		ENV-00371-02
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-04
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-05
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-10
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-12
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-06
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-13
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-08
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	460.17		ENV-00371-14
09/28/2012	ENV-00371	5190000	Int-Labor from Proj	198.59		ENV-00371-01
09/28/2012	ENV-00371	5190000	Int-Labor from Proj	262.85		ENV-00371-02
*	ENV-00371			6,827.50		
07/03/2012	ENV-00371-01	5195000	Act-Labor Regular	203.67	Desiree K Pooley	521600/L20930
07/12/2012	ENV-00371-01	5195000	Act-Labor Regular	67.89	Desiree K Pooley	521600/L20930
07/25/2012	ENV-00371-01	5195000	Act-Labor Regular	67.89	Desiree K Pooley	521600/L20930
08/14/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/15/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/22/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/30/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/30/2012	ENV-00371-01	5195000	Act-Labor Regular	81.77	Mary L Henley	521600/P20830
09/11/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
09/28/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
08/01/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
07/31/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
09/18/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
*	ENV-00371-01			1,228.73		
07/13/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
07/30/2012	ENV-00371-02	5195000	Act-Labor Regular	271.56	Desiree K Pooley	521600/L20930
08/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
09/05/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
09/14/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
10/04/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
07/12/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
07/31/2012	ENV-00371-02	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
08/07/2012	ENV-00371-02	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
10/02/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
*	ENV-00371-02			1,477.70		
09/05/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
*	ENV-00371-03			87.62		
08/14/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
*	ENV-00371-03-01			87.62		

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Reporting and Documentation (-02)	\$1,477.70	\$0.00	\$1,477.70

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$19,268.57	\$0.00	\$19,268.57

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc. Date	Object	Post. Plan.	Cost Element	Val. in USD	Empl. Appl. Name	Partner Object
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	339.45		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-03
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	321.26		ENV-00371-02
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	409.04		ENV-00371-14
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-09
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	135.78		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	467.29		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-07
09/05/2012	ENV-00371	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-20
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	543.12		ENV-00371-02
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	146.03		ENV-00371-02
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-04
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-05
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-10
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-12
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-06
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-13
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-08
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	460.17		ENV-00371-14
09/28/2012	ENV-00371	5190000	Int-Labor from Proj	198.59		ENV-00371-01
09/28/2012	ENV-00371	5190000	Int-Labor from Proj	262.85		ENV-00371-02
* 09/28/2012	ENV-00371	5190000	Int-Labor from Proj	6,827.50		
07/03/2012	ENV-00371-01	5195000	Act-Labor Regular	203.67	Desiree K Pooley	521600/L20930
07/12/2012	ENV-00371-01	5195000	Act-Labor Regular	67.89	Desiree K Pooley	521600/L20930
07/25/2012	ENV-00371-01	5195000	Act-Labor Regular	67.89	Desiree K Pooley	521600/L20930
08/14/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/15/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/22/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/30/2012	ENV-00371-01	5195000	Act-Labor Regular	81.77	Mary L Henley	521600/P20830
09/11/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
09/28/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
08/01/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
07/31/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
09/18/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Marv L Henlev	521600/P20830
* 09/18/2012	ENV-00371-01	5195000	Act-Labor Regular	1,228.73		
07/13/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
07/30/2012	ENV-00371-02	5195000	Act-Labor Regular	271.56	Desiree K Pooley	521600/L20930
08/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
09/05/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
09/14/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
10/04/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
07/12/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
07/31/2012	ENV-00371-02	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
08/07/2012	ENV-00371-02	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
10/02/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Marv L Henlev	521600/P20830
* 10/02/2012	ENV-00371-02	5195000	Act-Labor Regular	1,477.70		
09/05/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
* 09/05/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		
08/14/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
* 08/14/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62		

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-03-01)	\$87.62	\$0.00	\$87.62
Site Maintenance (-03-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$721.20	\$0.00	\$721.20
Adaptive Maintenance (-03-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$808.82	\$0.00	\$808.82

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$1,302.52	\$0.00	\$1,302.52
\$0.00	\$340.32	\$340.32
\$5,346.28	\$0.00	\$5,346.28
\$287.54	\$1,656.27	\$1,943.81
\$6,936.34	\$1,996.59	\$8,932.93

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc Date	Object	Pool Plan.	Cost elem name	Val in C	Empl	Partner object
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	339.45		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-03
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	321.26		ENV-00371-02
07/31/2012	ENV-00371	5190000	Int-Labor from Proj	409.04		ENV-00371-14
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-09
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	135.78		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	467.29		ENV-00371-01
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-07
09/05/2012	ENV-00371	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-20
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	543.12		ENV-00371-02
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	146.03		ENV-00371-02
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-04
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-05
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-10
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-12
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-06
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	87.62		ENV-00371-13
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	58.41		ENV-00371-08
09/05/2012	ENV-00371	5190000	Int-Labor from Proj	460.17		ENV-00371-14
09/28/2012	ENV-00371	5190000	Int-Labor from Proj	198.59		ENV-00371-01
09/28/2012	ENV-00371	5190000	Int-Labor from Proj	262.85		ENV-00371-02
	ENV-00371			6,827.50		
07/03/2012	ENV-00371-01	5195000	Act-Labor Regular	203.67	Desiree K Pooley	521600/L20930
07/12/2012	ENV-00371-01	5195000	Act-Labor Regular	67.89	Desiree K Pooley	521600/L20930
07/25/2012	ENV-00371-01	5195000	Act-Labor Regular	67.89	Desiree K Pooley	521600/L20930
08/14/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/15/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/22/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/30/2012	ENV-00371-01	5195000	Act-Labor Regular	81.77	Mary L Henley	521600/P20830
09/11/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
09/28/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
08/01/2012	ENV-00371-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
07/31/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-01	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
09/18/2012	ENV-00371-01	5195000	Act-Labor Regular	58.41	Marv L Henlev	521600/P20830
	ENV-00371-01			1,228.73		
07/13/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
07/30/2012	ENV-00371-02	5195000	Act-Labor Regular	271.56	Desiree K Pooley	521600/L20930
08/21/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
08/07/2012	ENV-00371-02	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
09/05/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
09/14/2012	ENV-00371-02	5195000	Act-Labor Regular	116.82	Mary L Henley	521600/P20830
10/04/2012	ENV-00371-02	5195000	Act-Labor Regular	146.03	Mary L Henley	521600/P20830
07/12/2012	ENV-00371-02	5195000	Act-Labor Regular	175.23	Mary L Henley	521600/P20830
07/31/2012	ENV-00371-02	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
08/07/2012	ENV-00371-02	5195000	Act-Labor Regular	135.78	Desiree K Pooley	521600/L20930
10/02/2012	ENV-00371-02	5195000	Act-Labor Regular	58.41	Marv L Henlev	521600/P20830
	ENV-00371-02			1,477.70		
09/05/2012	ENV-00371-03	5190000	Int-Labor from Proj	87.62		ENV-00371-03-01
	ENV-00371-03			87.62		
08/14/2012	ENV-00371-03-01	5195000	Act-Labor Regular	87.62	Marv L Henlev	521600/P20830
	ENV-00371-03-01			87.62		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																												2			1.5		
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																				1												1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach								8								10	3															21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wulge								2												1												3	
Squally										2																						2	
Surface/Storm Water																		2														2	
Swan Creek				2						9	4																			2		15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2															2											1		4	
Urban Forestry																																0	
Yowkwala				3																												3	
Work with other crew																																0	
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month: August

Year: 2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave								3															8				10	9				29.5
48th St Bioswale																																0
Celebration Park																						2										2
Service Projects																																0
City Projects									3													6	3					1				12.5
Ecology Hours								1														2						1				4
Esplanade							4	4																								7.5
Head of Thea Foss																																0
Hylebos						3		3	2																							7.5
Interviews																													10			10
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City													3	1															3			7
Middlewaterway Simpson													2																			2
Middlewaterway Tideflat																																0
Mowitch									2													2										4
North Beach																																0
Olympic View	10	10				2							2	3	2														5			34
Paperwork/Safety Meeting																																0
PCD Water Quality																																0
Puyallup River Side Channel						6	6																2									13.5
Thea Foss log/fence																																0
Skookum Wuldge													1																			1
Squally													2		6																	8
Surface/Storm Water																																0
Swan Creek								3					5	4								10										22
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance									2				1			1							3	2					2			10
Urban Forestry																																0
Yowkwala													3	2	7																	12
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	180

Days schedule off for crew

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-04-01)	\$58.41	\$0.00	\$58.41
Site Maintenance (-04-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$288.48	\$0.00	\$288.48
Adaptive Maintenance (-04-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$346.89</b>	<b>\$0.00</b>	<b>\$346.89</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$919.69	\$0.00	\$919.69
\$0.00	\$1,208.22	\$1,208.22
\$8,062.86	\$0.00	\$8,062.86
\$7,206.37	\$1,656.88	\$8,863.25
<b>\$16,188.92</b>	<b>\$2,865.10</b>	<b>\$19,054.02</b>

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc#	Date	Object	Cost Elem.	Cost Elem. Name	Val in \$	Split / Job Name	Project / Job
*	09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
		ENV-00371-04			58.41		
	08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
*		ENV-00371-04-01			58.41		
	09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
		ENV-00371-05			58.41		
	08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
*		ENV-00371-05-01			58.41		
	09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
		ENV-00371-06			87.62		
	08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
*		ENV-00371-06-01			87.62		
	09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
		ENV-00371-07			87.62		
	08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
*		ENV-00371-07-01			87.62		
	09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
		ENV-00371-08			58.41		
	08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
*		ENV-00371-08-01			58.41		
	09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
		ENV-00371-09			58.41		
	08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
*		ENV-00371-09-01			58.41		
	09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
		ENV-00371-10			87.62		
	08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
*		ENV-00371-10-01			87.62		
	09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
		ENV-00371-12			87.62		
	08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
*		ENV-00371-12-01			87.62		
	09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
		ENV-00371-13			87.62		
	08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
*		ENV-00371-13-01			87.62		
	07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
	07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
	08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
*		ENV-00371-14			869.21		
	09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
		ENV-00371-20			2,784.56		
	08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
*		ENV-00371-30-01			2,784.56		
**					17,490.98		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																													2			1.5	
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																				1												1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach								8							10	3																21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wulge								2												1												3	
Squally											2																					2	
Surface/Storm Water																		2														2	
Swan Creek				2						5	4																					15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2															2											1		4	
Urban Forestry																																0	
Yowkwala			3																													3	
Work with other crew																																0	
<b>Total Hours</b>		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month: August Year: 2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave								3															8				10	9				29.5	
48th St Bioswale																																0	
Celebration Park																						2										2	
Service Projects																																0	
City Projects										3												6	3					1				12.5	
Ecology Hours								1															2						1			4	
Esplanade							4	4																								7.5	
Head of Thea Foss																																0	
Hylebos						3		3	2																							7.5	
Interviews																													10			10	
Johnny's Dock																																0	
Jordan-Hylebos																																0	
Landfill Buffer																																0	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City													3	1															3			7	
Middlewaterway Simpson														2																		2	
Middlewaterway Tideflat																																0	
Mowitch									2													2										4	
North Beach																																0	
Olympic View	10	10				2							2	3	2														5			34	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Slide Channel						6	6																2									13.5	
Thea Foss log/fence																																0	
Skookum Wuldge													1																			1	
Squally													2	6																		8	
Surface/Storm Water																																0	
Swan Creek								3				5	4								10											22	
Tahoma Salt Marsh																																0	
Titlow Daylight																																0	
Tool Maintenance								2				1		1								3	2					2				10	
Urban Forestry																																0	
Yowkwala													3	2	7																	12	
Work with other crew																																0	
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	180

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects					8	4																										12	
City Projects																		2														2	
Ecology Hours																				10				10	10	10	10					50	
Esplanade																		2														2	
Head of Thea Foss												1						1														2	
Hylebos											2						1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer												2																				2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City											2						2	1														5	
Middlewaterway Simpson											1																					1	
Middlewaterway Tideflat											4																					4	
Mowitch																			2													2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting												2																				2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3		4					2	7														16	
Tahoma Salt Marsh												1																				1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-05-01)	\$58.41	\$0.00	\$58.41
Site Maintenance (-05-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$528.88	\$0.00	\$528.88
Adaptive Maintenance (-05-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$587.29</b>	<b>\$0.00</b>	<b>\$587.29</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$910.12	\$0.00	\$910.12
\$0.00	\$1,132.15	\$1,132.15
\$4,399.26	\$0.00	\$4,399.26
\$153.42	\$348.34	\$501.76
<b>\$5,462.80</b>	<b>\$1,480.49</b>	<b>\$6,943.29</b>

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc. Date	Obj. Incl.	Cost Elem.	Cost. Elem. Name	Val. in W.	Emp. Appl. Name	Actual Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
* 08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																													2			1.5	
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																				1												1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach								8								10	3															21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wulge								2												1												3	
Squally										2																						2	
Surface/Storm Water																		2														2	
Swan Creek				2						9	4																					15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2																2										1		4	
Urban Forestry																																0	
Yowkwała			3																													3	
Work with other crew																																0	
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month:August Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave								3															8				10	9				29.5
48th St Blowsale																																0
Celebration Park																						2										2
Service Projects																																0
City Projects									3													6	3					1				12.5
Ecology Hours								1														2							1			4
Esplanade							4	4																								7.5
Head of Thea Foss																																0
Hylebos						3		3	2																							7.5
Interviews																													10			10
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City													3	1															3			7
Middlewaterway Simpson													2																			2
Middlewaterway Tideflat																																0
Mowitch									2													2										4
North Beach																																0
Olympic View	10	10				2							2	3	2														5			34
Paperwork/Safety Meeting																																0
PCD Water Quality																																0
Puyallup River Side Channel						6	6															2										13.5
Thea Foss log/fence																																0
Skookum Wuldge													1																			1
Squally												2	6																			8
Surface/Storm Water																																0
Swan Creek								3				5	4								10											22
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance								2				1			1							3	2						2			10
Urban Forestry																																0
Yowkwala													3	2	7																	12
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	180

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects					8	4																										12	
City Projects																		2														2	
Ecology Hours																				10				10	10	10	10					50	
Esplanade																		2														2	
Head of Thea Foss												1						1														2	
Hylebos											2						1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer												2																				2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City											2						2	1														5	
Middlewaterway Simpson											1																					1	
Middlewaterway Tideflat											4																					4	
Mowitch																			2													2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting												2																				2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3		4					2		7													16	
Tahoma Salt Marsh												1																				1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work wth other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-06-01)	\$87.62	\$0.00	\$87.62
Site Maintenance (-06-02)	\$0.00	\$10.00	\$10.00
WCC Crew (\$48.08/hr)	\$288.48	\$0.00	\$288.48
Adaptive Maintenance (-06-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$376.10</b>	<b>\$10.00</b>	<b>\$386.10</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$1,045.42	\$0.00	\$1,045.42
\$0.00	\$113.88	\$113.88
\$4,375.28	\$0.00	\$4,375.28
\$102.28	\$538.98	\$641.26
<b>\$5,522.98</b>	<b>\$652.86</b>	<b>\$6,175.84</b>

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
07/01/2012 To 10/31/2012

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

Doc Date	Object	Cost Elem	Cost Elem Name	Tal in W	Emp Name	Partner Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henlev	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henlev	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henlev	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henlev	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henlev	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henlev	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henlev	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henlev	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henlev	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month:August Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total		
56th Ave								3															8				10	9				29.5		
48th St Bioswale																																	0	
Celebration Park																						2											2	
Service Projects																																	0	
City Projects									3													6	3					1					12.5	
Ecology Hours								1															2						1			4		
Esplanade							4	4																									7.5	
Head of Thea Foss																																	0	
Hylebos						3		3	2																								7.5	
Interviews																														10			10	
Johnny's Dock																																	0	
Jordan Hylebos																																	0	
Landfill Buffer																																	0	
Log Step																																	0	
Meet w/CHB																																	0	
Middlewaterway City													3	1															3			7		
Middlewaterway Simpson														2																			2	
Middlewaterway Tideflat																																	0	
Mowitch									2													2											4	
North Beach																																	0	
Olympic View	10	10				2							2	3	2														5			34		
Paperwork/Safety Meeting																																	0	
PCD Water Quality																																	0	
Puyallup River Side Channel						6	6																2										13.5	
Thea Foss log/fence																																	0	
Skookum Wuldge													1																				1	
Squally													2	6																			8	
Surface/Storm Water																																	0	
Swan Creek								3					5	4								10											22	
Tahoma Salt Marsh																																	0	
Titlow Daylight																																		0
Tool Maintenance									2				1		1								3	2					2				10	
Urban Forestry																																		0
Yowkwala													3	2	7																		12	
Work with other crew																																		0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	180	

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects					8	4																										12	
City Projects																		2														2	
Ecology Hours																				10					10	10	10	10				50	
Esplanade																		2														2	
Head of Thea Foss												1						1														2	
Hylebos										2							1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer												2																				2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City										2							2	1														5	
Middlewaterway Simpson											1																					1	
Middlewaterway Tideflat										4																						4	
Mowitch																				2												2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting												2																				2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Shookum Widge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3		4					2		7													16	
Tahoma Salt Marsh												1																				1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

City of Tacoma

Customer: SC1100  
Card: 101699  
Truck: 101699  
Ticket #: 967936  
Date: 08/23/12  
Time In: 17:23  
Time Out: 17:30  
Turnaround: 7  
Operator: RB  
Site: LF

Gr: 8020 Tr: 7980 NET: 40  
Gr:1 Tr: 2  
15 - City Gen. SW

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

Payment:  
1 - Charge \$10.00

NOTE:

*maulden*

\$10.00

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-07-01)	\$87.62	\$0.00	\$87.62
Site Maintenance (-07-02)	\$0.00	\$23.00	\$23.00
WCC Crew (\$48.08/hr)	\$336.56	\$0.00	\$336.56
Adaptive Maintenance (-07-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$424.18	\$23.00	\$447.18

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$1,780.04	\$0.00	\$1,780.04
\$46.05	\$98.50	\$144.55
\$13,644.84	\$0.00	\$13,644.84
\$1,022.04	\$630.54	\$1,652.58
\$16,492.97	\$729.04	\$17,222.01

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
07/01/2012 To 10/31/2012

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

Doc. Date	Object	Cost Element	Cost Line Item	Val. in USD	Emp. / Appl. Name	Partner Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																													2		1.5		
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																			1													1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach									8							10	3															21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wulge									2											1												3	
Squally											2																					2	
Surface/Storm Water																		2														2	
Swan Creek				2						9	4																					15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2															2											1		4	
Urban Forestry																																0	
Yowkwala			3																													3	
Work with other crew																																0	
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3													4		
Service Projects					8	4																										12	
City Projects																		2														2	
Ecology Hours																				10				10	10	10	10					50	
Esplanade																		2														2	
Head of Thea Foss												1						1														2	
Hylebos										2							1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer												2																				2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City											2						2	1														5	
Middlewaterway Simpson											1																					1	
Middlewaterway Tideflat											4																					4	
Mowitch																				2												2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting												2																				2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3		4					2		7													16	
Tahoma Salt Marsh												1																				1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

Jordan-Hylebos

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 951755  
Date: 07/26/12  
Time In: 17:27  
Time Out: 17:31  
Turnaround: 4  
Operator: RL  
Site: LF

Gr: 8480 Tr: 8440 NET: 40  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$10.00

NOTE:

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

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 942905  
Date: 07-11-12  
Time In: 16:28  
Time Out: 16:30  
Turnaround: 8  
Operator: BH  
Site: LF

Gr: 8720 Tr: 840 NET: 40  
Gr:1 Tr: 1  
15 - City Com SW

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

Payment:  
1 - Charge \$10.00

NOTE:

Jordan

Hylebos

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

\$ 23.00

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-08-01)	\$58.41	\$0.00	\$58.41
Site Maintenance (-08-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$865.44	\$0.00	\$865.44
Adaptive Maintenance (-08-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$923.85</b>	<b>\$0.00</b>	<b>\$923.85</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$806.10	\$0.00	\$806.10
\$0.00	\$265.92	\$265.92
\$8,312.90	\$0.00	\$8,312.90
\$51.14	\$1,958.36	\$2,009.50
<b>\$9,170.14</b>	<b>\$2,224.28</b>	<b>\$11,394.42</b>

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
07/01/2012 To 10/31/2012

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

Docu Date	Object	Inst Elem	Cost elem name	Val in %	Sppl Appl Name	Partner Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
* 08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year: 2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave		10	2	2								10																				23.5
48th St Bioswale																																0
Celebration Park			2														2												5		8.5	
Service Projects																			2													2
City Projects																			3													3
Ecology Hours																						10	10	10	10							40
Esplanade																																0
Head of Thea Foss																													2		1.5	
Hylebos																		8	2													9.5
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos											5																					5
Landfill Buffer																																0
Log Step																				1												1
Meet w/CHB																																0
Middlewaterway City			2	2																									2		6	
Middlewaterway Simpson										2																						2
Middlewaterway Tideflat																																0
Mowitch																																0
North Beach								8							10	3																21
Olympic View																													10		10	
Paperwork/Safety Meeting																																0
PCD Water Quality																																0
Puyallup River Side Channel				3													5															8
Thea Foss log/fence																																0
Skookum Wulge								2												1												3
Squally										2																						2
Surface/Storm Water																		2														2
Swan Creek				2					9	4																						15
Tahoma Salt Marsh			2																										2		4	
Titlow Daylight																																0
Tool Maintenance				2															2											1	4	
Urban Forestry																																0
Yowkwala			3																													3
Work with other crew																																0
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month: August

Year: 2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave								3															8				10	9				29.5	
48th St Bioswale																																0	
Celebration Park																						2										2	
Service Projects																																0	
City Projects										3												6	3					1				12.5	
Ecology Hours								1															2						1			4	
Esplanade							4	4																								7.5	
Head of Thea Foss																																0	
Hylebos						3		3	2																							7.5	
Interviews																													10			10	
Johnny's Dock																																0	
Jordan-Hylebos																																0	
Landfill Buffer																																0	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City													3	1															3			7	
Middlewaterway Simpson														2																		2	
Middlewaterway Tideflat																																0	
Mowitch									2													2										4	
North Beach																																0	
Olympic View	10	10				2								2	3	2													5			34	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel						6	6															2										13.5	
Thea Foss log/fence																																0	
Skookum Wuldge													1																			1	
Squally													2	6																		8	
Surface/Storm Water																																0	
Swan Creek								3					5	4								10										22	
Tahoma Salt Marsh																																0	
Titlow Daylight																																0	
Tool Maintenance									2				1			1							3	2					2			10	
Urban Forestry																																0	
Yowkwala														3	2	7																12	
Work with other crew																																0	
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	180

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects					8	4																										12	
City Projects																		2														2	
Ecology Hours																				10					10	10	10	10				50	
Esplanade																		2														2	
Head of Thea Foss													1					1														2	
Hylebos											2						1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																		2														2	
Landfill Buffer													2																			2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City											2						2	1														5	
Middlewaterway Simpson											1																					1	
Middlewaterway Tideflat											4																					4	
Mowitch																				2												2	
North Beach																		1														1	
Olympic View																		2														2	
Paperwork/Safety Meeting													2																			2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3		4					2		7													16	
Tahoma Salt Marsh													1																			1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-09-01)	\$58.41	\$0.00	\$58.41
Site Maintenance (-09-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$240.40	\$0.00	\$240.40
Adaptive Maintenance (-09-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$298.81	\$0.00	\$298.81

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$902.75	\$0.00	\$902.75
\$0.00	\$930.48	\$930.48
\$1,887.05	\$0.00	\$1,887.05
\$51.14	\$2,265.91	\$2,317.05
\$2,840.94	\$3,196.39	\$6,037.33

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc. Date	Object	Cost Elem	Cost Elem Name	Val in P	Impl./Appl. Form	Actual Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year: 2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																													2		1.5		
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																			1													1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach								8								10	3															21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wulge								2											1													3	
Squally										2																						2	
Surface/Storm Water																		2														2	
Swan Creek				2						9	4																					15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2															2											1		4	
Urban Forestry																																0	
Yowkwala			3																													3	
Work with other crew																																0	
<b>Total Hours</b>		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month: August

Year: 2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave								3														8				10	9				29.5	
48th St Bioswale																															0	
Celebration Park																					2										2	
Service Projects																															0	
City Projects									3												6	3					1				12.5	
Ecology Hours								1														2						1			4	
Esplanade							4	4																							7.5	
Head of Thea Foss																															0	
Hylebos						3		3	2																						7.5	
Interviews																													10		10	
Johnny's Dock																															0	
Jordan-Hylebos																															0	
Landfill Buffer																															0	
Log Step																															0	
Meet w/CHB																															0	
Middlewaterway City												3	1															3			7	
Middlewaterway Simpson													2																		2	
Middlewaterway Tideflat																															0	
Mowitch									2												2										4	
North Beach																															0	
Olympic View	10	10				2							2	3	2													5			34	
Paperwork/Safety Meeting																															0	
PCD Water Quality																															0	
Puyallup River Side Channel						6	6															2									13.5	
Thea Foss log/fence																															0	
Skookum Wuldge													1																		1	
Squally													2	6																	8	
Surface/Storm Water																															0	
Swan Creek								3				5	4							10											22	
Tahoma Salt Marsh																															0	
Titlow Daylight																															0	
Tool Maintenance								2				1			1							3	2					2			10	
Urban Forestry																															0	
Yowkwala													3	2	7																12	
Work with other crew																															0	
<b>Total Hours</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>180</b>

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects					8	4																										12	
City Projects																		2														2	
Ecology Hours																				10				10	10	10	10					50	
Esplanade																		2														2	
Head of Thea Foss													1					1														2	
Hylebos										2							1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer													2																			2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City										2							2	1														5	
Middlewaterway Simpson										1																						1	
Middlewaterway Tideflat										4																						4	
Mowitch																				2												2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting													2																			2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3			4				2		7													16	
Tahoma Salt Marsh													1																			1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-10-01)	\$87.62	\$0.00	\$87.62
Site Maintenance (-10-02)	\$0.00	\$101.50	\$101.50
WCC Crew (\$48.08/hr)	\$2,211.68	\$0.00	\$2,211.68
Adaptive Maintenance (-10-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$2,299.30</b>	<b>\$101.50</b>	<b>\$2,400.80</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$939.96	\$0.00	\$939.96
\$0.00	\$284.54	\$284.54
\$7,962.00	\$0.00	\$7,962.00
\$250.75	\$515.58	\$766.33
<b>\$9,152.71</b>	<b>\$800.12</b>	<b>\$9,952.83</b>

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc. Date	Object	Cost Elem	Cost elem name	Val in P	Appl. Appl. Form	Posting object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																													2		1.5		
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																				1												1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach								8								10	3															21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wulge								2												1												3	
Squally										2																						2	
Surface/Storm Water																		2														2	
Swan Creek				2						9	4																					15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2																2										1		4	
Urban Forestry																																0	
Yowkwala				3																												3	
Work with other crew																																0	
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month:August

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave								3														8				10	9					29.5
48th St Bioswale																																0
Celebration Park																					2											2
Service Projects																																0
City Projects									3												6	3						1				12.5
Ecology Hours								1														2						1				4
Esplanade							4	4																								7.5
Head of Thea Foss																																0
Hylebos						3		3	2																							7.5
Interviews																													10			10
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City													3	1															3			7
Middlewaterway Simpson														2																		2
Middlewaterway Tideflat																																0
Mowitch									2													2										4
North Beach																																0
Olympic View	10	10				2							2	3	2														5			34
Paperwork/Safety Meeting																																0
PCD Water Quality																																0
Puyallup River Side Channel						6	6															2										13.5
Thea Foss log/fence																																0
Skookum Wuldge													1																			1
Squally													2	6																		8
Surface/Storm Water																																0
Swan Creek									3				5	4								10										22
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance									2				1			1						3	2						2			10
Urban Forestry																																0
Yowkwala													3	2	7																	12
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	0	0	0	10	10	10	10	0	180

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects				8	4																											12	
City Projects																		2														2	
Ecology Hours																				10				10	10	10	10					50	
Esplanade																		2														2	
Head of Thea Foss												1						1														2	
Hylebos										2							1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer												2																				2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City										2							2	1														5	
Middlewaterway Simpson										1																						1	
Middlewaterway Tideflat										4																						4	
Mowitch																			2													2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting												2																				2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3			4				2		7													16	
Tahoma Salt Marsh												1																				1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 962952  
Date: 08/14/12  
Time In: 16:32  
Time Out: 17:07  
Turnaround: 35  
Operator: BH  
Site: LF

Gr: 1 Tr: 0 NET: 160  
15 - City Com SW

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

Payment:  
1 - Charge \$13.00

NOTE:

Signature: Olympic View

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 963948  
Date: 08/16/12  
Time In: 15:03  
Time Out: 15:22  
Turnaround: 19  
Operator: KC  
Site: LF

Gr: 8620 Tr: 8300 NET: 520  
Gr: 1 Tr: 2  
15 - City Com SW

TIP FEE: 39.00  
SPEC FEE: 0.00  
UTILITY TAX: 0.00  
ADJ: 0.00  
TOTAL FEE: \$39.00  
TENDERED: 39.00

Payment:  
1 - Charge \$39.00

NOTE: Olympic View

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 963101  
Date: 08/15/12  
Time In: 17:10  
Time Out: 17:14  
Turnaround: 6  
Operator: BH  
Site: LF

Gr: 1 Tr: 0 NET: 160  
15 - City Com SW

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

Payment:  
1 - Charge \$13.00

NOTE:

Signature: Olympic View

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 963448  
Date: 08/15/12  
Time In: 15:19  
Time Out: 15:30  
Turnaround: 11  
Operator: BH  
Site: LF

Gr: 8100 Tr: 8040 NET: 60  
Gr: 1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$13.00

NOTE:

view

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 983245  
Date: 09/19 '12  
Time In: 17:21  
Time Out: 17:25  
Turnaround: 4  
Operator: BH  
Site: LF

Gr: 8420 Tr: 838C NET: 40  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$10.00

NOTE: *Olympic View*  
Signature: \_\_\_\_\_

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 971435  
Date: 08/29/12  
Time In: 14:53  
Time Out: 15:06  
Turnaround: 13  
Operator: KC  
Site: LF

Gr: 8340 Tr: 8080 NET: 260  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$19.50

NOTE: *Olympic View*

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

*\$101.50*

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-12-01)	\$87.62	\$0.00	\$87.62
Site Maintenance (-12-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$240.40	\$0.00	\$240.40
Adaptive Maintenance (-12-03)	\$0.00	\$0.00	\$0.00
<b>Grand Total</b>	<b>\$328.02</b>	<b>\$0.00</b>	<b>\$328.02</b>

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$911.21	\$0.00	\$911.21
\$0.00	\$308.32	\$308.32
\$4,483.37	\$0.00	\$4,483.37
\$0.00	\$986.56	\$986.56
\$5,394.58	\$1,294.88	\$6,689.46

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
07/01/2012 To 10/31/2012

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

Doc. Date	Obj. No.	Cont. Elem.	Inst. elem. name	Val. in W.	Act. Appl. Name	Actual Project
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2												2		
City Projects																			3												3		
Ecology Hours																						10	10	10	10						40		
Esplanade																															0		
Head of Thea Foss																												2			1.5		
Hylebos																		8	2												9.5		
Interviews																															0		
Johnny's Dock																															0		
Jordan-Hylebos											5																				5		
Landfill Buffer																															0		
Log Step																				1											1		
Meet w/CHB																															0		
Middlewaterway City			2	2																								2			6		
Middlewaterway Simpson										2																					2		
Middlewaterway Tideflat																															0		
Mowitch																															0		
North Beach								8							10	3															21		
Olympic View																												10			10		
Paperwork/Safety Meeting																															0		
PCD Water Quality																															0		
Puyallup River Side Channel				3													5														8		
Thea Foss log/fence																															0		
Skookum Wulge								2											1												3		
Squally										2																					2		
Surface/Storm Water																		2													2		
Swan Creek				2						9	4																				15		
Tahoma Salt Marsh			2																									2			4		
Titlow Daylight																															0		
Tool Maintenance				2															2										1		4		
Urban Forestry																															0		
Yowkwala			3																												3		
Work with other crew																															0		
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave				10	2																											12
48th St Bioswale																																0
Celebration Park						1												3														4
Service Projects					8	4																										12
City Projects																		2														2
Ecology Hours																			10					10	10	10	10					50
Esplanade																		2														2
Head of Thea Foss												1						1														2
Hylebos											2						1		1													4
Interviews																																0
Johnny's Dock																																0
Jordan-Hylebos																		2														2
Landfill Buffer												2																				2
Log Step																																0
Meet w/CHB																																0
Middlewaterway City											2						2	1														5
Middlewaterway Simpson											1																					1
Middlewaterway Tideflat											4																					4
Mowitch																				2												2
North Beach																	1															1
Olympic View																	2															2
Paperwork/Safety Meeting												2																				2
PCD Water Quality																																0
Puyallup River Side Channel																																0
Thea Foss log/fence																																0
Skookum Wuldge						2																										2
Squally					1																											1
Surface/Storm Water																																0
Swan Creek										3		4					2		7													16
Tahoma Salt Marsh												1																				1
Titlow Daylight																																0
Tool Maintenance						2				2	1							1														6
Urban Forestry										5	10																					15
Yowkwata																																0
Work with other crew																																0
Total Hours	0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-13-01)	\$87.62	\$0.00	\$87.62
Site Maintenance (-13-02)	\$0.00	\$58.75	\$58.75
WCC Crew (\$48.08/hr)	\$2,548.24	\$0.00	\$2,548.24
Adaptive Maintenance (-13-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$2,635.86	\$58.75	\$2,694.61

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$1,172.09	\$0.00	\$1,172.09
\$51.14	\$1,530.08	\$1,581.22
\$31,232.36	\$0.00	\$31,232.36
\$255.70	\$2,310.60	\$2,566.30
\$32,711.29	\$3,840.68	\$36,551.97

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc. Date	Object	Act. Plan	Act. Plan Name	Tal. in BU	Emp. App. Name	Actual Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	869.21		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

**Tacoma Hours**

Month: July

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave		10	2	2								10																				23.5	
48th St Bioswale																																0	
Celebration Park			2														2												5		8.5		
Service Projects																			2													2	
City Projects																			3													3	
Ecology Hours																						10	10	10	10							40	
Esplanade																																0	
Head of Thea Foss																													2		1.5		
Hylebos																		8	2													9.5	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos											5																					5	
Landfill Buffer																																0	
Log Step																			1													1	
Meet w/CHB																																0	
Middlewaterway City			2	2																									2			6	
Middlewaterway Simpson										2																						2	
Middlewaterway Tideflat																																0	
Mowitch																																0	
North Beach								8							10	3																21	
Olympic View																													10			10	
Paperwork/Safety Meeting																																0	
PCD Water Quality																																0	
Puyallup River Side Channel				3													5															8	
Thea Foss log/fence																																0	
Skookum Wuige								2											1													3	
Squally										2																						2	
Surface/Storm Water																		2														2	
Swan Creek				2					9	4																						15	
Tahoma Salt Marsh			2																										2			4	
Titlow Daylight																																0	
Tool Maintenance				2															2											1		4	
Urban Forestry																																0	
Yowkwala			3																													3	
Work with other crew																																0	
Total Hours		0	10	10	10	0	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	170

Days schedule off for crew

**Tacoma Hours**

Month:August

Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
56th Ave								3														8				10	9					29.5
48th St Bioswale																																0
Celebration Park																					2											2
Service Projects																																0
City Projects									3												6	3					1					12.5
Ecology Hours								1														2						1				4
Esplanade							4	4																								7.5
Head of Thea Foss																																0
Hylebos						3		3	2																							7.5
Interviews																													10			10
Johnny's Dock																																0
Jordan-Hylebos																																0
Landfill Buffer																																0
Log Step																																0
Meet w/CHB																																0
Middlewaterway City													3	1															3			7
Middlewaterway Simpson														2																		2
Middlewaterway Tideflat																																0
Mowitch									2													2										4
North Beach																																0
Olympic View	10	10				2							2	3	2													5			34	
Paperwork/Safety Meeting																																0
PCD Water Quality																																0
Puyallup River Side Channel						6	6															2										13.5
Thea Foss log/fence																																0
Skookum Wuldge													1																			1
Squally													2	6																		8
Surface/Storm Water																																0
Swan Creek								3					5	4							10											22
Tahoma Salt Marsh																																0
Titlow Daylight																																0
Tool Maintenance									2				1		1							3	2					2				10
Urban Forestry																																0
Yowkwala														3	2	7																12
Work with other crew																																0
Total Hours	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	180

Days schedule off for crew

**Tacoma Hours**

Month:September Year:2012

Project Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
56th Ave				10	2																											12	
48th St Bioswale																																0	
Celebration Park						1												3														4	
Service Projects				8	4																											12	
City Projects																		2														2	
Ecology Hours																			10					10	10	10	10					50	
Esplanade																		2														2	
Head of Thea Foss												1						1														2	
Hylebos										2							1		1													4	
Interviews																																0	
Johnny's Dock																																0	
Jordan-Hylebos																	2															2	
Landfill Buffer												2																				2	
Log Step																																0	
Meet w/CHB																																0	
Middlewaterway City										2							2	1														5	
Middlewaterway Simpson										1																						1	
Middlewaterway Tideflat										4																						4	
Mowitch																			2													2	
North Beach																	1															1	
Olympic View																	2															2	
Paperwork/Safety Meeting												2																				2	
PCD Water Quality																																0	
Puyallup River Side Channel																																0	
Thea Foss log/fence																																0	
Skookum Wuldge						2																										2	
Squally					1																											1	
Surface/Storm Water																																0	
Swan Creek										3		4					2		7													16	
Tahoma Salt Marsh												1																				1	
Titlow Daylight																																0	
Tool Maintenance						2				2	1							1														6	
Urban Forestry										5	10																					15	
Yowkwala																																0	
Work with other crew																																0	
Total Hours		0	0	0	10	10	10	0	0	0	10	10	10	10	0	0	0	10	10	10	10	0	0	0	0	10	10	10	10	0	0	0	150

Days schedule off for crew

City of Tacoma

Customer: SCI190  
Card: 101699  
Truck: 101699  
Ticket #: 962304  
Date: 08/13/12  
Time In: 16:12  
Time Out: 16:23  
Turnaround: 11  
Operator: RB  
Site: LF

Gr: 8010 Tr: 6160 NET: 140  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$13.00

NOTE: Swan Creek

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

City of Tacoma

Customer: SCI190  
Card: 101699  
Truck: 101699  
Ticket #: 962304  
Date: 08/09/12  
Time In: 16:00  
Time Out: 16:10  
Turnaround: 8  
Operator: EH  
Site: LF

Gr: 850 Tr: 6420 NET: 80  
Gr:1 Tr: 1  
15 - City Com SW  
Dues City \$9.75

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

Payment:  
1 - Charge \$13.00

NOTE: Swan Creek

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

City of Tacoma

Customer: SCI100  
Card: 101699  
Truck: 101699  
Ticket #: 980007  
Date: 09/13/12  
Time In: 17:08  
Time Out: 17:13  
Turnaround: 5  
Operator: BH  
Site: LF

Gr: 7960 Tr: 7620 NET: 340  
Gr:1 Tr: 2  
15 - City Com SW

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

Payment:  
1 - Charge \$26.00

NOTE: Swan Creek

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

**\$58.75**

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
Site Monitoring (-14-01)	\$869.21	\$0.00	\$869.21
Site Maintenance (-14-02)	\$0.00	\$0.00	\$0.00
WCC Crew (\$48.08/hr)	\$0.00	\$0.00	\$0.00
Adaptive Maintenance (-14-03)	\$0.00	\$0.00	\$0.00
Grand Total	\$869.21	\$0.00	\$869.21

Life to 09/30/12

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

Layout /SAP1 City's standard layout - DO NOT CHANGE  
 Object WBS ENV-00371 Environmental Stewardship Proj  
 Cost Element 5190000 To 5390000 Int-Labor from Proj...  
 Posting Date 07/01/2012 To 10/31/2012

Doc. Date	Obj	Act Item	Cost Item Name	Val in P	Emp. Appl. Name	Actual Object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Mary L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Mary L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
* 09/05/2012	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

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

07/01/12 through 09/30/12

Project Task	Personnel Service	Supplies & Service	Grand Total
General Maintenance and Monitoring (-30)	\$0.00	\$2,784.56	\$2,784.56

Life to 09/30/12

Personnel Service	Supplies & Service	Grand Total
\$1,416.96	\$50,859.46	\$52,276.42

Layout  
Object  
Cost Element  
Posting Date

/SAP1  
WBS ENV-00371  
5190000 To 5390000  
07/01/2012 To 10/31/2012

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

Doc. Date	Object	Cost Elem.	Cost elem name	Val. in P.	Impl. Appl. Name	Partner object
* 09/05/2012	ENV-00371-04	5190000	Int-Labor from Proj	58.41		ENV-00371-04-01
	ENV-00371-04			58.41		
* 08/14/2012	ENV-00371-04-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-04-01			58.41		
* 09/05/2012	ENV-00371-05	5190000	Int-Labor from Proj	58.41		ENV-00371-05-01
	ENV-00371-05			58.41		
* 08/14/2012	ENV-00371-05-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-05-01			58.41		
* 09/05/2012	ENV-00371-06	5190000	Int-Labor from Proj	87.62		ENV-00371-06-01
	ENV-00371-06			87.62		
* 08/14/2012	ENV-00371-06-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-06-01			87.62		
* 09/05/2012	ENV-00371-07	5190000	Int-Labor from Proj	87.62		ENV-00371-07-01
	ENV-00371-07			87.62		
* 08/14/2012	ENV-00371-07-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-07-01			87.62		
* 09/05/2012	ENV-00371-08	5190000	Int-Labor from Proj	58.41		ENV-00371-08-01
	ENV-00371-08			58.41		
* 08/15/2012	ENV-00371-08-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-08-01			58.41		
* 09/05/2012	ENV-00371-09	5190000	Int-Labor from Proj	58.41		ENV-00371-09-01
	ENV-00371-09			58.41		
* 08/15/2012	ENV-00371-09-01	5195000	Act-Labor Regular	58.41	Marv L Henley	521600/P20830
	ENV-00371-09-01			58.41		
* 09/05/2012	ENV-00371-10	5190000	Int-Labor from Proj	87.62		ENV-00371-10-01
	ENV-00371-10			87.62		
* 08/15/2012	ENV-00371-10-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-10-01			87.62		
* 09/05/2012	ENV-00371-12	5190000	Int-Labor from Proj	87.62		ENV-00371-12-01
	ENV-00371-12			87.62		
* 08/15/2012	ENV-00371-12-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-12-01			87.62		
* 09/05/2012	ENV-00371-13	5190000	Int-Labor from Proj	87.62		ENV-00371-13-01
	ENV-00371-13			87.62		
* 08/15/2012	ENV-00371-13-01	5195000	Act-Labor Regular	87.62	Marv L Henley	521600/P20830
	ENV-00371-13-01			87.62		
07/26/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
07/27/2012	ENV-00371-14	5195000	Act-Labor Regular	204.52	Eugene Cepeda	523400/L20110
08/03/2012	ENV-00371-14	5195000	Act-Labor Regular	460.17	Eugene Cepeda	523400/L20110
	ENV-00371-14			869.21		
* 09/05/2012	ENV-00371-20	5390000	Int-Srvcs from Proj	2,784.56		ENV-00371-30-01
	ENV-00371-20			2,784.56		
* 08/02/2012	ENV-00371-30-01	5310100	Professional Servs	2,784.56		
	ENV-00371-30-01			2,784.56		
**				17,490.98		

*Citizens For A Healthy Bay*



105491

Date: July 11, 2012

Invoice: 002-2012

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

Contact: Jeanine Riss (253) 383-2429

RE: City of Tacoma Environmental Stewardship Project Community Assistance Program

For the periods of: April 1, 2012 – June 30, 2012

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

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

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

**Direct Labor:**

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

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss Re-work annual work plan	4/5/12	2	22.75	\$45.50
Employee: Bill Anderson	4/6/12	1.5	39.00	\$58.50
<b>Sub-Contractor Services:</b>				
<b>Labor Subtotal:</b>	_____	_____	_____	\$104.00
<b>Task 1 Total</b>	_____	_____	_____	<b>\$104.00</b>

**Task 2: Event Management and Coordination**

Direct Labor:	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss Coordinate with Honey Buckets	5/10/12	.25	22.75	\$5.69
Coordinate on Hauff project	5/16/12	.5	22.75	\$11.38

Prep for Swan Crk/meet honey bucket	5/18/12	1.5	22.75	\$34.13
Swan Creek event	5/19/12	8	22.75	\$182.00
Coordinate with Honey Buckets	5/30/12	.25	22.75	\$5.69
Prep for Skookum/meet honey bucket	6/1/12	2	22.75	\$45.50
Skookum Wulge project	6/2/12	8	22.75	\$182.00
Salvaged plants potting/weeding	6/8/12	3.5	22.75	\$79.63
Coordinate on Hauff project	6/12/12	.5	22.75	\$11.38
Hauff w/Boys&Girls Club	6/14/12	2	22.75	\$45.50
Salvaged plants potting/weeding	6/22/12	3	22.75	\$68.25

Employee: Bill Anderson

\$

**Sub-Contractor Services:**

EarthCorps:

\$

Restoration services/volunteer management

**Labor Subtotal:**

\_\_\_\_\_ \$671.15

**Task 2 Total**

\_\_\_\_\_ \$671.15

**Task 3: Volunteer Recruitment & Education**

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
Employee: Jeanine Riss				
Update volunteer posting	4/6/12	1	22.75	\$22.75
Water Festival/children's education & volunteer recruitment	4/12/12	4	22.75	\$91.00
Volunteer recruitment	5/4/12	1	22.75	\$22.75
Update volunteer postings/website	5/15/12	1.5	22.75	\$34.13
Update volunteer postings/websites	5/16/12	3.00	22.75	\$68.25
Volunteer recruitment	5/25/12	1	22.75	\$22.75
Farmer's Mkt-vol. recruitment/education	6/7/12	4	22.75	\$91.00
Farmer's Mkt-vol. recruitment/education	6/19/12	4	22.75	\$91.00
Volunteer recruitment	6/22/12	.5	22.75	\$11.38
Volunteer recruitment	6/26/12	.5	22.75	\$11.38

Employee:

**Sub-Contractor Services:**

**Labor Subtotal:**

\_\_\_\_\_ \$466.39

**Task 3 Total**

\_\_\_\_\_ \$466.39

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

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
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Employee: Jeanine Riss

Site visits	4/19/12	4.5	22.75	\$102.38
Site visits	4/20/12	4.5	22.75	\$102.38
Site visits	6/6/12	3.5	22.75	\$79.63
Site visit	6/14/12	1	22.75	\$22.75
Site visits	6/15/12	2.5	22.75	\$56.88
Site visit	6/16/12	1	22.75	\$22.75
Site visit	6/18/12	1	22.75	\$22.75
Site visits	6/21/12	2	22.75	\$45.50

Employee:

**Sub-Contractor Services:**

<b>Labor Subtotal:</b>	_____	_____	_____	\$455.02
<b>Task 4 Total</b>	_____	_____	_____	\$455.02

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

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
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Employee: Jeanine Riss

ESP Meeting	4/3/12	1.5	22.75	\$34.13
Prep quarterly invoice/report	4/4/12	4	22.75	\$91.00
Prep quarterly invoice/report	4/10/12	4	22.75	\$91.00
Prep quarterly invoice/report	4/12/12	1.5	22.75	\$34.13
Prep monthly report	4/20/12	1	22.75	\$22.75
Prep monthly report	4/25/12	2	22.75	\$45.50
Prep monthly report	4/26/12	2	22.75	\$45.50
ESP meeting	5/1/12	1.5	22.75	\$34.13
Prep monthly report	5/23/12	1.5	22.75	\$34.13
Prep monthly report	5/30/12	2	22.75	\$45.50
Prep monthly report	6/28/12	2	22.75	\$45.50
Prep monthly report	6/29/12	2	22.75	\$45.50

Employee: Bill Anderson  
Review Qtrly report/invoice

4/14/12	1	39.00	\$39.00
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**Sub-Contractor Services:**

<b>Labor Subtotal:</b>	_____	_____	_____	\$607.77
<b>Task 5 Total</b>	_____	_____	_____	\$607.77

**Task 6: General Maintenance Work**

**Direct Labor:**

	Date	Hours	Rate	Amount Billed
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Employee:

**Sub-Contractor Services:**

**Labor Subtotal:**

\_\_\_\_\_

**Task 6 Total**

\_\_\_\_\_

**Direct Costs:**

**Restroom facility rental:**

	Date	Vendor	Rate	Amount billed
Honey Bucket	5/18/12	HoneyBkt		\$125.00
Honey Bucket	6/1/12	HoneyBkt		\$130.00

**Restroom rental Sub-total:**

**\$255.00**

**Disposal expenses:**

**\$**

**Event Supplies:**

Food/beverages for volunteer events	4/5/12	Costco		\$54.31
Food for volunteer event	5/19/12	Little Caesars		\$34.01
Ice for volunteer event	5/19/12	7-Eleven		\$1.69
Food for volunteer event	6/2/12	Quiznos		\$21.84
Ice for volunteer event	6/2/12	7-Eleven		\$1.69

**Event Supplies Sub-total:**

**\$113.54**

**Mileage:**

	Total Miles	Rate	Amount billed
Jeanine Riss	226	0.51	\$111.69

**Mileage Sub-total:**

**\$111.69**

**Direct Cost Sub-total:**

Okay to Pay 7/31/12 **\$480.23**

**Invoice Total**

Approver: [Signature] **\$2784.56**

As Per Contract #: PW09-0809F

P045-258936

**Total Contract Amount:**

**\$84,925.24**

**Currant Balance:**

**\$37,822.25**

**Amount Due:**

**\$2784.56**

**Total Remaining Balance:**

**\$35,037.69**

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

SID00220740 15000486450 812

By: Jeanine Ritt

Date signed: 7/12/12

Title: Restoration Program Manager & Volunteer Coordinator

Organization Name: Citizens for a Healthy Bay

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

Telephone Number: 253-383-2429

Please remit to:

Citizens for a Healthy Bay  
535 Dock St., Ste. 213  
Tacoma, WA 98402