

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)
Human Impacts	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.
Erosion	Same as before	None noted	None noted	None noted	None noted	None noted	None noted
Weeds	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.
Fencing	No change noted. See GED notes under Human Impacts above.	No change noted	No change noted	No change	No change	No change	No change
Plantings	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
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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
Erosion	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
Weeds	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.
Fencing	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
Plantings	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
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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
Erosion	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
Weeds	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.
Fencing	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Plantings	Some of the willows/roses on the islands are surviving	One shore pine is all that has survived in the NW corner. The rest has been crowded out by knotweed. Some of the dunegrass planted at the edge of the embankment has also survived.	No change noted	No change noted	No change noted	No change noted	No recent plantings
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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
Erosion	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
Weeds	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.
Fencing	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
Plantings	The shorepine are doing notably well	Most plants from Fall 2010 did not survive due to predation. A few of the trees and shrubs did survive.	Same as before	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
Flora	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.
Fauna	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?
Photo-documentation	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)
Human Impacts	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
Erosion	None noted	None noted	None noted	None noted	None noted	None noted	None noted
Weeds	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.
Fencing	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
Plantings	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.
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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
Erosion	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
Weeds	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
Fencing	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted	No change noted
Plantings	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
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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.
Erosion	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
Weeds	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
Fencing	Same as before	No change noted. Goose exclusion nodes have been removed.	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Plantings	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
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	Minor trash	Minor trash	None noted	None noted	Minor trash	None noted	Minor trash
Erosion	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.
Weeds	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
Fencing	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
Plantings	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.
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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.
Erosion	Minor in the area of recent planting	None noted	None noted	None noted	None noted	None noted	None noted
Weeds	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
Fencing	GED in fair condition	No change noted	Some of the GED is leaning ad 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
Plantings	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
Flora	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.
Fauna	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
Photo-documentation	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)
Human Impacts	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.
Erosion	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
Weeds	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.
Fencing	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.
Plantings	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.
Flora	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! Chokecherry and chickory are volunteering. Minor gall was noted on the willows.
Fauna	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
Photo-documentation	Taken	Not taken	Not taken	Taken	Not taken	Not taken	Taken

Table 11
ESP Site Record

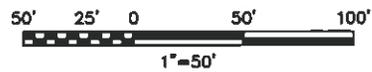
ESP Site Record:
Lower Hylebos Habitat
Restoration Site

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

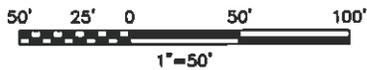


150' 75' 0 150' 300'
1"=150'

YOWKWALA

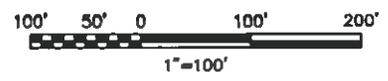


SKOOKUM WULGE

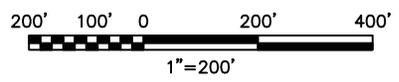


SQUALLY BEACH

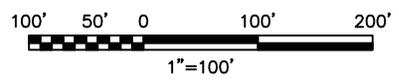
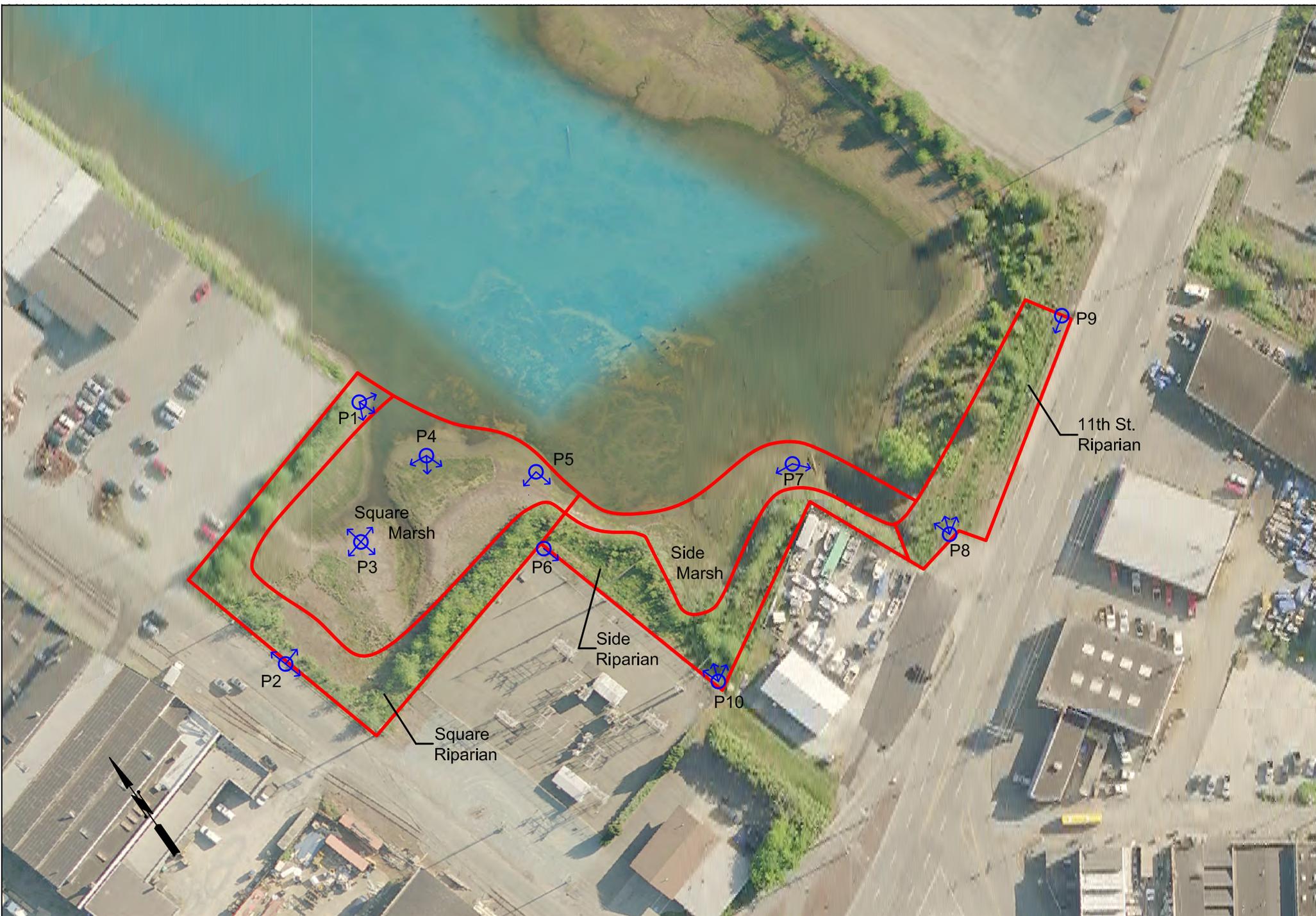




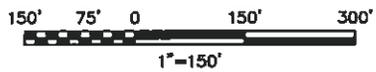
MOWITCH - HEAD OF HYLEBOS



JORDAN/LOWER HYLEBOS MARSH



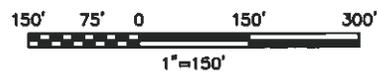
MIDDLE WATERWAY, CITY

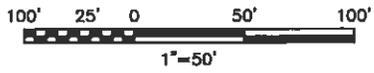


MIDDLE WATERWAY, SIMPSON

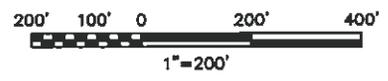


OLYMPIC VIEW, CITY & WDNR





TAHOMA SALT MARSH



SWAN CREEK



West Marsh

North Riparian

East Marsh

East Riparian

West Riparian

P1

P2

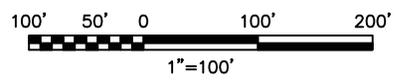
P3

P4

P5

P6

1



HAUFF

