

Appendix A. Land Survey Forms and Public Health of Seattle and King County map

Form 1. LDW shoreline access survey form

Date: July 16, 2004 Diagonal Ave Public Shoreline Access	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 1 E1	Time: 9:16 AM
Data recorder's name: A. Rodriguez	Weather: Cloudy, Rain
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	No
Is there a no trespassing sign?	No - Trail closed No trespassing
Is there an established path to the LDW?	yes
Is the location designated as public through signage?	yes, Park
Is the location near residential neighborhoods or businesses?	yes, Federal Center South, COE
Shoreline characteristics	
Would this be a location that people would likely visit?	yes
What is the slope of the intertidal area?	Steep rip-rap
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, sandy North end
Is the shoreline only accessible at very low tides?	No
Is this a likely location for fishing?	yes
Are there other appealing amenities near this location?	3 Benches Picnic Tables
Evidence of human use	
What type of human activity, if any, was observed?	Transient
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	No
Were human footprints present in the sediments?	No
Was there localized (not drift) litter present?	yes Beer bottles, razor blade
Photographs	
<p>Photo Number and Description</p> <p>(1) High area at north end of park</p> <p>(2) North view of rip-rap bank & sandy shoreline</p> <p>(3) Benches for viewing on the south end of park</p> <p>(4) Overflow warning sign</p> <p>(5) Trail closed sign at the north end</p> <p>(6) South view of sandy beach & vegetated bank</p> <p>(7) The trail that extends beyond the closed trail sign</p>	

Other Uses: Fishing, Crabbing, swimming, activity after 4pm
 Trail closed sign (HT) witnessed people walking & transient encountered on trail
 Northern end accessible when low tide

Form 1. LDW shoreline access survey form

Date: July 16, 04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 2 E 1st Ave Bridge E, adj to Mulkishoo Tribe	Time: 10:00 Am
Data recorder's name: AR	Weather: Rainy, cloudy
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	No
Is there a no trespassing sign?	No
Is there an established path to the LDW?	Yes, concrete boat ramp
Is the location designated as public through signage?	yes
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Yes
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Concrete boat ramp Rip-rap w/ sand underneath
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Y
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Y
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y
Photographs	
Photo Number and Description	
<p>① Concrete boat ramp underneath the S 1st Ave Bridge</p> <p>② North view of rip-rap, litter & vegetated bank</p>	

Salmonid season receives 24-hr use by Mulkishoo
 Kayak-skiiff launching
 Fishing, crabbing
 At low tide - boat good to conduct sediment

Form 1. LDW shoreline access survey form

Date: July 6, 04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 3 E30th.llo	Time: 10:20 AM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	N
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or <u>businesses</u> ?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap over?
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	N
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	No
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Yes, books, water bottles, cans
Photographs	
<u>Photo Number and Description</u>	
(10) South view of the steep rip-rap bank & overflow pipe	

* Steep difficult access, S of huge Recycling facility & N PS Truck Lines

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, CK, AH
Area number: A-EH Gateway N. 8th Ave S	Time: 10:25AM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y <i>from Komobala working on this site</i>
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep bank
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap over sand, mud
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Bench
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y, cigarettes, beer bottles, gatorade
Photographs	
<u>Photo Number and Description</u>	Kayak use, fishing & swimming
(11) South view with vegetated shoreline.	
(12) Park bench	
(13) North view of shoreline	

* Himalayan Blackberry cut down & cleared

When low tide large beach becomes apparent

Campfire, PCB's in the sediment, one of the most contaminated site. Adj site contaminated
Lead, PCB's & Zinc. YmApal, org. stewards of this park

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, JD, HT, JB, LK, AH
Area number: 5, Slip 4 Public Access Webster St E5	Time: 10:45 AM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y, Boeving
Shoreline characteristics	
Would this be a location that people would likely visit?	Y (and dogs)
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, gravel
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	N
Are there other appealing amenities near this location?	Yes, benches
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
<u>Photo Number and Description</u>	
(1A) Kayak launch area	
(1B) Slip 4	

Outflows (4)

Not clearly defined as a public access site

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, LK, AA
Area number: 9 Norfolk (East) - EB	Time: 12:00
Data recorder's name: AR	Weather: Rainy
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	<input checked="" type="checkbox"/> Y, a portion of path unfenced
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y, Boeing
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap over sand
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y, underneath barge
Are there other appealing amenities near this location?	Benches Bridge
Evidence of human use	
What type of human activity, if any, was observed?	Walkers, Boeing employees
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
Photo Number and Description	
(16) Fish vest underneath abandoned barge & fishermen access it via shoreline & salmon fish	
(17) N shoreline view	
(18) S view of muddy shoreline from Oxbow Bridge	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 7 E Army CoE North Winds Site East	Time: 11:29 AM
Data recorder's name: AR	Weather: Overcast, light rain
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y Boeing
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud covered w/ algae
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	N
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	Y
Was there localized (not drift) litter present?	Y, whiskey bottles
Photographs	
Photo Number and Description	
(19) North Winds Weir created by the Army Corps of Engineers	
(20) Mitigation Site 1 shoreline vegetated with rushes & grasses	
(21) Sandy shoreline next to Green River vegetated with algae.	

Form 1. LDW shoreline access survey form

Date: 7/12/04	Observer's name: AR
Area number: 88C1 Klickitat Ave SW	Time: 11:30am
Data recorder's name: AR	Weather: Clear, sunny
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Businesses
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Parking
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
Photo Number and Description	

Form 1. LDW shoreline access survey form

Date: 7/12/04	Observer's name: AR
Area number: EK C2 Harbor Island Marina	Time: 11:34am
Data recorder's name: AR	Weather: Clear, sunny
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Businesses
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow to steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rocky, rip rap
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	N
Are there other appealing amenities near this location?	Mowing, path
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
<u>Photo Number and Description</u>	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 6 Pal Park (Westside) WI	Time: 11:20 AM
Data recorder's name: AR	Weather: Overcast, rainy
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N, no car access
Is there a no trespassing sign?	N
Is there an established path to the LDW?	N
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Tires used to stabilize bank
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	fland
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Bridge, path
Evidence of human use	
What type of human activity, if any, was observed?	Joggers
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y
Photographs	
Photo Number and Description	
(22) East view of the Green River from the mitigation area at Pal Park	
(23) Man-made slough, which does not drain properly	
(24) North shoreline view from the mitigation area at Pal Park	

Man-made slough, part of site 1 mitigation and it does not drain properly.

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, UK, AH
Area number: 8 Norfolk (West) W2	Time: 11:54 am
Data recorder's name: AR	Weather: Rainy
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y Boeing
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap over sand
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Bike path Running/Walking Paths
Evidence of human use	
What type of human activity, if any, was observed?	Walkers, Runners
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y
Photographs	
<u>Photo Number and Description</u>	
(25) North view of rip-rap shoreline & riparian corridor next to the bike & pedestrian path	
(26) Rip-rap shoreline, floating dock, Boeing parking lot S of 102nd St Bridge	
(27) South view of muddy shoreline	

Turning Point restoration is a multi-stage project to restore the shoreline and riparian corridor.

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: ARTD, HT, JB, LK, AA
Area number: 10 Turning Basin W3	Time: 1:10
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud covered with algae
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Bench, path
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y Used condoms, toilet paper, cans
Photographs	
Photo Number and Description	
(28) View of Turning Basin 3 from Oxbow Bridge	
(29) N view of Dunwich River + fencing that keeps the geese out of revegetated shoreline	
(30) Mudflat north of Hamm Creek	
(31) Active part of Hamm Creek draining into slough area	

Fencing on the shoreline is to keep the geese out,
 Kayak launch path
 Turning Basin is restoration site created by Army COE for shoreline birds

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 11 W4	Time: 1:25
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y, next to Mukkichee restoration site
Shoreline characteristics	
Would this be a location that people would likely visit?	Y City light
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud, rip-rap
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y, fish come into slough
Are there other appealing amenities near this location?	N
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y, Bags of trash dumped, old bread
Photographs	
Photo Number and Description	
(32) A tributary of Hamme Creek flowing underneath an old dock South of Hamme Creek City light North	
(33) N view of accessible shoreline adjacent to fenced area owned by Mukkleshoot Tribe.	

Form 1. LDW shoreline access survey form

Date: 7/16/04	Observer's name: AR, TD, HT, JR, LC, AH
Area number: 12, Hamm Creek City Light North WS	Time: 1:32 PM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	Y
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud, marsh
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Restored path along Hamm Creek
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y Beer bottles, cigarettes
Photographs	
<u>Photo Number and Description</u>	
(34) Pedestrian path	
(35) A scare away bird line, a World Conservation shoreline method used at southern end of property	
(36) Fencing around specific plant species used to effectively monitor restoration efforts along Hamm Creek	

Most of the shoreline is fenced with a few opportunities to access
Swimming behind City Light in the past

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: R 13 T-117 W6	Time: 2:05 PM
Data recorder's name: AR	Weather: Cloudy
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	Y
Is there a no trespassing sign?	Y
Is there an established path to the LDW?	N
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Both
Shoreline characteristics	
Would this be a location that people would likely visit?	N
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	N
Are there other appealing amenities near this location?	None
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	No
Were human footprints present in the sediments?	No
Was there localized (not drift) litter present?	No
Photographs	
Photo Number and Description	
(40) Inaccessible shoreline at the north end of T-117 property.	
(41) Inaccessible shoreline at the south end of T-117 property.	

Form 1. LDW shoreline access survey form * Sites # 14-20, excluding #16 are contiguous via shoreline

Date: 7/6/04	Observer's name: AR, TD, HT, JB, LK, AH
Area number: 14 next to Southpark Marina W1	Time: 2:20 PM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Both
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap over mud
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Boat ramp, parking
Evidence of human use	
What type of human activity, if any, was observed?	No rec
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Residential properties
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y, Newspapers, beer cans
Photographs	
<u>Photo Number and Description</u>	
(4) Intertidal zone adjacent to the South Park Marina boat ramp & below the 14th Ave S bridge	
(18) Northern view of rocky shoreline underneath the 14th Ave S bridge.	

Swimming, fishing

Form 1. LDW shoreline access survey form

Connects to Southpark Marina boat ramp

Date: 7/6/04	Observer's name: AR, TD, HT, UK, AU
Area number: 20, W8 th Ave. Street End	Time: 3:08 PM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	N
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, mud
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y, Salmon
Are there other appealing amenities near this location?	Near boat ramp
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Near other homes
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y, Beer bottles, cans
Photographs	
<u>Photo Number and Description</u>	
(44) Makeshift benches used for viewing & evidence of localized litter at 14th Ave S Street end public access site.	
(45) View of shallow rip-rap shoreline adjacent to the 14th Ave S bridge.	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, UK, AH
Area number: 19, W Rose St Street end	Time: 3:05pm
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, mud
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Boat ramp
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Yes, residential properties
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
Photo Number and Description	
(46) Street end access at Rose Street just north of 14th Ave S that has a path along the shoreline that leads to 14th Ave S bridge.	
(47) North view of accessible rip-rap shoreline & Boeing Plant 2	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, LK, AH
Area number: 18, WIDS street end Southern St	Time: 2:57 PM
Data recorder's name: AR	Weather: Overcast, light rain
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	N
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap and mud
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Rock boat ramp, cabled wood dock
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Yes, adjacent homes
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
<u>Photo Number and Description</u>	
<p>(18) Street end access site in a residential area next to rip-rap covered shoreline at S Southern St.</p>	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, LK, AH
Area number: 17 Street 12th / Elmgrove Will	Time: 2:50 PM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	N, but easy access
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y, other homes
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud, rip-rap
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Other homes
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Yes, residential properties
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y
Photographs	
<u>Photo Number and Description</u>	
(4) Extensive accessible shoreline during low tide connects from north to south, the 12th Ave S & S Elmgrove Street shoreline to 14th Ave S bridge	
(5) Rip-rap covered shoreline at the intersection of 12th Ave S & S Elmgrove St.	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, JB, UK, AH
Area number: 15 W12 Duwamish Waterway Park	Time: 2:30pm
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Both
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, mud, Clear sandy beach
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Benches, picnic tables
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	Residential properties
Were human footprints present in the sediments?	Y
Was there localized (not drift) litter present?	Y, Fireworks
Photographs	
<u>Photo Number and Description</u>	
(51) Duwamish Waterway Park sandy beach located at northern end of property, where people swim.	
(52) Southern view of the sandy beach	

Swimming

Form 1. LDW shoreline access survey form Last site w/ John Beal

Date: 7/6/04	Observer's name: AR, TD, HT, JB, UK, AH
Area number: 16 Street end Gateway W13	Time: 2:45 PM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, mud
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Benches
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	No
Were human footprints present in the sediments?	No
Was there localized (not drift) litter present?	Y, fireworks, beer bottles, cans, cigarettes
Photographs	
<p>Photo Number and Description</p> <p>(53) North view of the shoreline at the S Portland Street End Park with rip-rap & localized litter & businesses adjacent to the property.</p> <p>(54) Exposed eroded river bank on the southern end of park.</p>	

Fishing, wildlife viewing, swimming

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, LL, AH
Area number: 21, WIA, 5th/Fontanelle	Time: 3:30pm
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	N
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	N
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	N
Are there other appealing amenities near this location?	N
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N
Photographs	
<u>Photo Number and Description</u>	
(55) North view of steep rip-rap covered shoreline with difficult access at 5th Ave S & S Fontanelle Street end property that is for sale.	
(56) South view of steep eroded & littered shoreline in close proximity to barges & businesses.	
(57) Another difficult access point on north end of property at the top of concrete blocks.	

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, LK, AA
Area number: 22, W15, S 2nd Ave.	Time: 3:35 PM
Data recorder's name: AR	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap, sand
Is the shoreline only accessible at very low tides?	N
Is this a likely location for fishing?	N
Are there other appealing amenities near this location?	N
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y, fireworks, beer bottles
Photographs	
<u>Photo Number and Description</u>	
(58) Littered shallow shoreline at north end of the 2nd Ave S Street end	
(59) Easy southern shoreline access point	
(60) Continued accessible shoreline that is littered with tires & debris adjacent to a small marina.	

People eating lunch two weeks

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, UK, AH
Area number: 23, Wil, 1st Ave SW, Viewpoint	Time: 3:48
Data recorder's name: AR Park	Weather: Overcast
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	N
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Shallow
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud, sand
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	Bench
Evidence of human use	
What type of human activity, if any, was observed?	None
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	Y
Photographs	
<u>Photo Number and Description</u>	
(61) Puget Creek draining into the Duwamish River underneath the 1st Ave S bridge.	
(62) South view of easy sandy bank access to the shoreline underneath the bridge.	
(63) North view of sandy shoreline underneath bridge.	
(64) Evidence of bank stabilization & stream restoration at Puget Creek, a Washington Dept of Transportation mitigation site.	
(65) South view from Viewpoint Park of the shoreline & Puget Creek.	

WADOT owns site
 Fishing & crabbing as well digging for clams & oyster.
 Puget Creek 9-10 months runs into Duwamish R.

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, UK, AIA
Area number: 24, WFT, Panamish Herring House Park	Time: 4:04 PM
Data recorder's name: AR	Weather: Overcast, light rain
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):

Site accessibility

Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y

Shoreline characteristics

Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Mud, sand
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	N
Are there other appealing amenities near this location?	Benches,

Evidence of human use

What type of human activity, if any, was observed?	Maintenance crew
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or <u>small hand-launched watercraft on the adjacent shoreline</u> ?	Yes
Were human footprints present in the sediments?	N Y
Was there localized (not drift) litter present?	N

Photographs

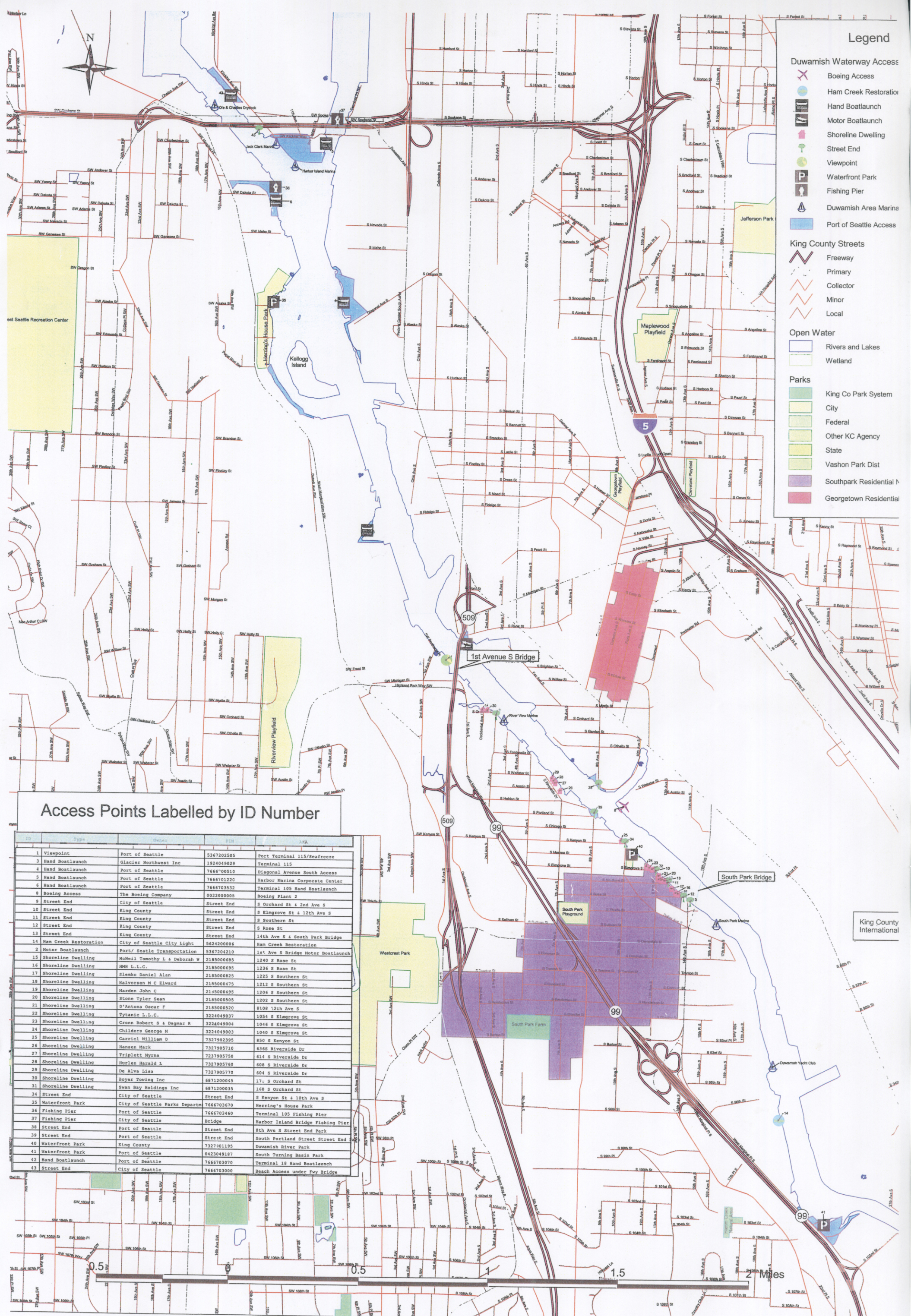
Photo Number and Description
(66) South view of Herring's House Park's extensive shoreline covered with large woody debris & rip-rap that is accessible by steps.
(67) View of well maintained park trail bordered with historical signs
(68) A Kayak boat launch
(69) A restoration site at northern end of park that is fenced off to deter the geese
(70) Another southern view of continuous accessible shoreline of LDW & rip-rap.
(71) Northern point of park that leads bank of rip-rap & sandy beach.
(72) Restored slough at the north part of park with revegetated banks.

Several photos taken...

Form 1. LDW shoreline access survey form

Date: 7/6/04	Observer's name: AR, TD, HT, LK, AH
Area number: 25, W18	Time: 4:35 PM
Data recorder's name: AR	Weather: Overcast, raining
GPS location: start	GPS location: end
Easting (X):	Easting (X):
Northing (Y):	Northing (Y):
Site accessibility	
Does the location have a functional fence blocking access?	N
Is there a no trespassing sign?	N
Is there an established path to the LDW?	Y
Is the location designated as public through signage?	Y
Is the location near residential neighborhoods or businesses?	Y
Shoreline characteristics	
Would this be a location that people would likely visit?	Y
What is the slope of the intertidal area?	Steep
What is the composition of the intertidal area (e.g., rip-rap, sand, or mud)?	Rip-rap
Is the shoreline only accessible at very low tides?	Y
Is this a likely location for fishing?	Y
Are there other appealing amenities near this location?	This is a park with a pier, benches, picnic tables & shelter
Evidence of human use	
What type of human activity, if any, was observed?	Maintenance crew
Are there residential properties abutting the LDW that have steps leading down to the intertidal area or small hand-launched watercraft on the adjacent shoreline?	N Y
Were human footprints present in the sediments?	N
Was there localized (not drift) litter present?	N, Fireworks
Photographs	
Photo Number and Description	
(73) East view of Harbor Island Marina & Ash Grove Cement from the pier at Terminal 105 Park.	
(74) South view of rip-rap bank and accessible shoreline at the southern end.	

People picnicking
Crabbing



- ### Legend
- Duwamish Waterway Access**
 - Boeing Access
 - Ham Creek Restoration
 - Hand Boatlaunch
 - Motor Boatlaunch
 - Shoreline Dwelling
 - Street End
 - Viewpoint
 - Waterfront Park
 - Fishing Pier
 - Duwamish Area Marina
 - Port of Seattle Access
 - King County Streets**
 - Freeway
 - Primary
 - Collector
 - Minor
 - Local
 - Open Water**
 - Rivers and Lakes
 - Wetland
 - Parks**
 - King Co Park System
 - City
 - Federal
 - Other KC Agency
 - State
 - Vashon Park Dist
 - Southpark Residential N
 - Georgetown Residential

Access Points Labeled by ID Number

ID	Type	Owner	FSN	J.C.A.
1	Viewpoint	Port of Seattle	5367202505	Port Terminal 115/Seafreeze
3	Hand Boatlaunch	Glacier Northwest Inc	1924049029	Terminal 115
4	Hand Boatlaunch	Port of Seattle	7666700510	Diagonal Avenue South Access
5	Hand Boatlaunch	Port of Seattle	7666701220	Harbor Marina Corporate Center
6	Hand Boatlaunch	Port of Seattle	7666703532	Terminal 105 Hand Boatlaunch
8	Boeing Access	The Boeing Company	0022000005	Boeing Plant 2
9	Street End	City of Seattle	Street End	S Orchard St & 2nd Ave S
10	Street End	King County	Street End	S Elmgrove St & 12th Ave S
11	Street End	King County	Street End	S Southern St
12	Street End	King County	Street End	S Rose St
13	Street End	King County	Street End	14th Ave S & South Park Bridge
14	Ham Creek Restoration	City of Seattle City Light	5624200006	Ham Creek Restoration
2	Motor Boatlaunch	Port/ Seattle Transportation	5367204210	1st Ave S Bridge Motor Boatlaunch
15	Shoreline Dwelling	McNeil Tomothy L & Deborah W	2185000685	1240 S Rose St
16	Shoreline Dwelling	MWH L.L.C.	2185000695	1236 S Rose St
17	Shoreline Dwelling	Slemko Daniel Alan	2185000825	1225 S Southern St
18	Shoreline Dwelling	Halvorsen M C Elward	2185000475	1212 S Southern St
19	Shoreline Dwelling	Narden John C	2185000495	1206 S Southern St
20	Shoreline Dwelling	Stone Tyler Sean	2185000505	1202 S Southern St
21	Shoreline Dwelling	D'Antona Oscar F	2185000520	8108 12th Ave S
22	Shoreline Dwelling	Tytanic L.L.C.	3224049037	1054 S Elmgrove St
23	Shoreline Dwelling	Cronn Robert S & Dagmar R	3224049004	1046 S Elmgrove St
24	Shoreline Dwelling	Childers George M	3224049003	1040 S Elmgrove St
25	Shoreline Dwelling	Carriel William D	7327902395	850 S Kenyon St
26	Shoreline Dwelling	Hansen Mark	7327905710	6365 Riverside Dr
27	Shoreline Dwelling	Triplet Myrna	7327905750	614 S Riverside Dr
28	Shoreline Dwelling	Hurlen Harald L	7327905760	608 S Riverside Dr
29	Shoreline Dwelling	De Alva Lisa	7327905770	604 S Riverside Dr
30	Shoreline Dwelling	Boyer Towing Inc	6871200045	170 S Orchard St
31	Shoreline Dwelling	Swan Bay Holdings Inc	6871200035	160 S Orchard St
34	Street End	City of Seattle	Street End	S Kenyon St & 10th Ave S
35	Waterfront Park	City of Seattle Parks Departm	7666703670	Herring's House Park
36	Fishing Pier	Port of Seattle	7666703460	Terminal 105 Fishing Pier
37	Fishing Pier	City of Seattle	Bridge	Harbor Island Bridge Fishing Pier
38	Street End	Port of Seattle	Street End	8th Ave S Street End Park
39	Street End	Port of Seattle	Street End	South Portland Street Street End
40	Waterfront Park	King County	7327401195	Duwamish River Park
41	Waterfront Park	Port of Seattle	0423049187	South Turning Basin Park
42	Hand Boatlaunch	Port of Seattle	7666703070	Terminal 18 Hand Boatlaunch
43	Street End	City of Seattle	7666703000	Beach Access under Fwy Bridge

Figure A-1. Duwamish Waterway Access Points Harbor Island to South Turning Basin