

ATTACHMENT D.

DATA SOURCES AND CRITERIA FOR DATA SELECTION

Attachment D. Documented Data Sources

Category of data/Data layer name	Analysis for which the data will be used.	Rationale for data use and details on how new data files were developed.	Map in which data was used	Metadata link
Shoreline jurisdiction and general King County data layers				
King County boundary			All	http://www5.metrokc.gov/sdc/FGDCDocs/KINGCO_fgdc.htm
Freeway/Highway/Streets			All	http://www5.metrokc.gov/sdc/FGDCDocs/KCSNSTRT_fgdc.htm
Water Bodies			All	http://www5.metrokc.gov/sdc/FGDCDocs/WTRBDY_fgdc.htm
Major Streams			All	DNRP internal Data
New shoreline jurisdiction (SMP_Final_Juris)			All	None
PAA			All	http://www5.metrokc.gov/sdc/FGDCDocs/CITYMAST_fgdc.htm
Incorporated areas			All	http://www5.metrokc.gov/sdc/FGDCDocs/CITY_3CO_fgdc.htm
i) land use				
i) land use patterns				
King County owned property	Shoreline uses	all three King County public lands layers have slightly different information.	Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/property/kcowned.htm
King County public lands	Shoreline uses	all three King County public lands layers have slightly different information.	Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/property/public_lands.htm
King County owned parcels	Shoreline uses	all three King County public lands layers have slightly different information.		http://www.metrokc.gov/gis/sdc/Content/internal/property/realprop.htm
Forest Production District	Shoreline uses Designation decision		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/natres/forpddst.htm
Agricultural Production District	Shoreline uses Designation decision		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/natres/agrpddst.htm
United States Forest Service District	Shoreline uses Designation decision			http://www.metrokc.gov/gis/sdc/Content/internal/natres/forpddst.htm
Farmland Preservation Property	Shoreline uses			http://www.metrokc.gov/gis/sdc/Content/internal/natres/farmland.htm
Urban Growth Line	Shoreline uses Designation decision		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/planning/ugline.htm
City Boundaries/Potential Annexation areas	Shoreline uses Designation decision			http://www.metrokc.gov/gis/sdc/Content/internal/admin/citymast.htm
Zoning-unincorporated King County	Shoreline uses Designation criteria		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/planning/zoning.htm
Comprehensive Plan Land Use	Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/complu.htm
King County Department of Development and Environmental Services Mining	Shoreline uses Designation criteria			http://www.metrokc.gov/ddes/complan/2004/PDFs/Chap3-Map-Mineral.pdf
Special District overlay	Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/sdo.htm
King County current Shoreline Master Plan designation	Shoreline uses			http://www.metrokc.gov/gis/sdc/Content/internal/planning/shorelinemmp.htm
Agricultural land use	Shoreline uses Designation criteria			metadata currently does not exist
Tribal Governance Areas	Shoreline use		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/politicl/tribal_lands.htm
2002 King County aerial imagery	Shoreline uses Designation criteria		Land/shoreline use	http://www.metrokc.gov/gis/sdc/raster/elevation/LiDAR_Data.htm
DDES shoreline permit data (1990-present)	Shoreline uses	Excerpt from DDES permit files prepared by Paul McCombs, DDES (see \\Wlrnt4\SMP\GIS Staff Group ShorelineMMP_Permits_29Aug06_SMPonly)	Land/shoreline use	None
Assessor's Office - current commercial use parcels	Shoreline uses	Excerpted from Assessor's parcel data (Parcel-data, ParcelCommBldg) and Zoning	Land/shoreline use	None
Current water-oriented uses	Shoreline uses	Based on 2002 King County aerial imagery (\\Wlrnt4\SMP\GIS Staff Group\Zoning - Shoreline3 LanduseParcels_17Aug)	Land/shoreline use	None
j) transportation and utility facilities				
King County street network	Characterization Ecological Characterization Public Access Shoreline uses Public facilities inventory Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/street/kcsnstr.htm
King County roads only	Public facilities inventory		Public facilities	ST_CRIS
King County levees and revetments			Public facilities	http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=104
Residential/commercial stormwater facilities	Characterization Ecological Characterization Public Access Shoreline uses			http://www.metrokc.gov/gis/sdc/Content/internal/utility/storm_fac.htm
Regional stormwater facilities	Characterization Ecological Characterization Public Access Shoreline uses			http://www5.metrokc.gov/sdc/FGDCDocs/STORMREG_fgdc.htm
King County Trails	Characterization Public Access Shoreline uses		Public access	http://www.metrokc.gov/gis/sdc/Content/internal/recreatn/trail.htm
Washington Department of Transportation Outfalls	Characterization Ecological Characterization Public Access Shoreline uses Designation criteria		Public facilities	http://gisdw/intranet/sdc/nonkcgis/content/UTILITY_EXT/SDT_OUTFALL.htm

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Railroads	Characterization Ecological Shoreline uses Designation criteria		Public facilities	Washington State DOT external data transportation/sdt_railroad
Culverts-Salmon and Steelhead Habitat Inventory and Assessment Program data for WRIA 7-10	Characterization Ecological			sshapi-salmonscapeculverts
HARD COPY--Washington State Department of Transportation Fish Passage Barrier Removal Program-Dec 2000.	Will not be used	Hard copy data is out of date, compared to Salmon and Steelhead Habitat Inventory and Assessment Program data		
Washington State Ferry terminals	Characterization Ecological Characterization Public Access Shoreline uses Designation criteria	Part of larger data file covering all docks in WRIA 9	Public facilities	overwater_structure
Olympic pipeline	Characterization Ecological Shoreline uses Designation criteria		Public facilities	http://www.metrokc.gov/gis/sdc/Content/internal/utility/oppipes.htm
Storm water facilities	Characterization Ecological Characterization Public Access Shoreline uses Designation criteria		Public facilities	http://www.metrokc.gov/gis/sdc/Content/internal/utility/storm_fac.htm
Combined Sewer Overflow discharge points	Characterization Ecological Shoreline uses Designation criteria		Public facilities	http://dnr-web.metrokc.gov/dnrtech/dnrgislib/dnrplib_detail.cfm?DS_PID=148
Other discharges	Characterization Ecological Shoreline uses Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/UTILITY_EXT/CSE_METROCSO.htm
unknown marine discharges (mixed in with natural and piped streams)	Characterization Ecological Shoreline uses Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/ENVIRO_EXT/PCG_WRIA8_9_FRESH_WATER.htm
National Pollutant Discharge Elimination System discharge points	Characterization Ecological Shoreline uses Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/utility_ext/sde_npdespts.htm
Wastewater Treatment plants	Characterization Ecological Shoreline uses Designation criteria		Public facilities	http://www.metrokc.gov/gis/sdc/Content/internal/utility/plant.htm
Water supply lines	Characterization Ecological Shoreline uses Designation criteria		Public facilities	http://gisdw/intranet/sdc/nonkcqis/content/UTILITY_EXT/CSE_WTRLN.htm
Neighborhood Drainage projects	will not be used			http://www.metrokc.gov/gis/sdc/Content/internal/utility/nda.htm
King County Maintained Levees and Revetments	Characterization Ecological Shoreline uses Designation criteria		Public facilities	http://dnr-web.metrokc.gov/dnrtech/dnrgislib/dnrplib_detail.cfm?DS_PID=104
BPA Power Line layer	Characterization Ecological Shoreline uses Designation criteria			No metadata.
Outfalls in the lower Green River (unknown origin)	Characterization Ecological Shoreline uses Designation criteria		Public facilities	Outfall
Outfalls in the Duwamish (unknown origin)	Characterization Ecological Shoreline uses Designation criteria		Public facilities	No metadata.
Storm water outfalls from DOT				external data utility/sdt_stormoutfall
King County Sewer lines	Public facilities inventory	lines do not equate non septic areas	Public facilities	http://www5.metrokc.gov/sdc/Metadata.aspx?Layer=sewer&XMLAvail=True
Local sewer lines	will not be used	lines do not equate non septic areas		No metadata.
Sewered areas	Characterization Ecological Designation criteria	Broken out by areas likely to be sewered		http://dnr-web.metrokc.gov/dnrtech/dnrgislib/dnrplib_detail.cfm?DS_PID=510
Hard Copy - Marine water quality assessment - Beneficial uses analysis of selected waters in the Seattle / King County Region, 1996	will not be used	More up to date data now available.		N/A
j) existing structures				
Impervious surface layers (includes more than just buildings)	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/landcover/ChgDetectionImpervious.html
CAO basin conditions layer	Characterization Ecological	impervious surface was added up at the basin level into 4 categories.		?
2002 University of Washington landcover	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm#2001Landcover
2002 King County aerial imagery	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/elevation/LiDAR_Data.htm

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1993 and 2000 marine Shoreline oblique photos	Characterization Ecological Shoreline uses Designation criteria			http://apps.ecy.wa.gov/website/coastal_atlas/viewer.htm
i) Impervious surfaces				
2002 University of Washington landcover	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm#2002Landcover
Impervious surface	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm#ImperviousGrowth
2001 King County landcover	Will not be used	Data quality is low compared to University of Washington 2002.		http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm#2001Landcover
Impervious surface (marine only)	Characterization Ecological Designation criteria	Data is qualitative, but may still be useful in the characterization analysis.		http://www.metrokc.gov/gis/sdc/raster/landcover/ChgDetectionImpervious.html
j) Vegetation in the SMA jurisdiction				
2001 King County landcover	Will not be used	Data quality is low compared to University of Washington 2002.		http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=454
2002 University of Washington landcover	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/landcover/index.htm
Shorezone riparian (marine only)	will not be used	Data quality is low, compared to newer data sources		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_eeline.htm
Marine Riparian Vegetation (marine only)	Characterization Ecological Designation Criteria	This data set is more accurate at the marine shoreline than the UW 2002 landcover..		MRV
Riparian vegetation in the Duwamish River	Will not be used	Data is not as accurate as landcover; collected by boat		RIP_In
2005 Marsh layer from Anchor Environmental.	Characterization Ecological Designation criteria	Data has been field verified and is contains information not included in King County's wetland files		marsh
Kelp	Characterization Ecological Designation criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_kelpline.htm
Marsh habitat-shorezone	Will not be used	Anchor marsh data has been field verified.		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_saltline.htm
eelgrass	Characterization Ecological Designation criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_eeline.htm
High landscape forest value. Files are highforestvalue_erase.shp and x_high_forest_value.shp	Designation criteria		High landscape forest value and wildlife network	High Landscape Forest Value is from "forest_conn" shapefile. Limited metadata available at: http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=622 More extensive metadata available upon request.
Vegetation within the Agricultural District - 25ft from Ordinary High Water Mark	Will not be used	Data is not as accurate as UW 2002 landcover and is limited in geographic extent		http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=38
Vegetation within the Agricultural District - 100ft from the Ordinary High Water Mark	Will not be used	Data is not as accurate as UW 2002 landcover and is limited in geographic extent		http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=39
Riparian Vegetation in the Lower Snoqualmie River	Will not be used	Data is not as accurate as UW 2002 landcover and is limited in geographic extent		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/rwt_riparian.htm
Noxious Weed layer	Characterization Ecological			http://www.metrokc.gov/gis/sdc/Content/Internal/enviro/weeds.htm
2002 aerial imagery	Characterization Ecological Shoreline uses Designation criteria			http://www.metrokc.gov/gis/sdc/raster/ortho/index.htm
j) Shoreline Modifications				
Shorezone (percent of segment modified)	Will not be used	Other files contain more accurate and recent data		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_shoremod.htm
Marine Amoring (photo interpretation only)	Will not be used	Based on two field efforts after this was completed, data in file slightly over-estimates the amount of armoring.		Armoring1
Marine Amoring (field verified)	Characterization Ecological Designation criteria	Field verified; data attributes include estimate of above, below or at Ordinary High Water Mark.		armoring 2
Jetty-Groin_breakwater (marine only)	Will not be used	Data was collected via photos only, but was later field verified		Jetty-groin-breakwater
Docks (overwater structures-marine only)	Characterization Ecological Characterization Public Access Designation criteria	Combines private and public structures		overwater_structure2
Boat ramps (marine only)	Characterization Ecological Characterization Public Access Designation criteria	Combines private and public structures		ramp

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Boat rails (marine only)	Characterization Ecological Designation criteria			Marine_rails
Groins (marine only)	Characterization Ecological Designation criteria	Data was field verified. King County jurisdiction does not have any breakwaters or jetties.		Groins
Docks in all lakes (except Lake Washington)	Characterization Ecological Designation criteria	Newly created point file based on 2002 King County aerial imagery		There is no metadata for this file yet.
Boat Launches-from the Washington Interagency Committee	Characterization Ecological Characterization Public Access Designation criteria			Boat moorage metadata and boat launch metadata
Shoretype (Modified/and modified accretion shoreforms)	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_wria8_9_shoretype.htm
King County Maintained Levee and Revetments	Characterization Ecological Characterization Public Access Designation criteria			http://dnr-web.metrokc.gov/dnrtech/dnrpqislib/dnrplib_detail.cfm?DS_PID=104
All known armoring on the lower Snoqualmie River	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/hydro_ext/nwt_hydrmod.htm
Overwater structures in the Duwamish Waterway	Characterization Ecological Characterization Public Access Designation criteria	Does not differentiate public from private		OW_pl
Pilings in the Duwamish (line shapefile)	Characterization Ecological Characterization Public Access Designation criteria			Pileg_in
Pilings in the Duwamish (point shapefile)	Characterization Ecological Characterization Public Access Designation criteria			Pile_pt
All shoreline armoring in the Duwamish	Characterization Ecological Designation criteria			armor_in
All armoring in the lower Green River	Characterization Ecological Designation criteria			300M_station_Data
Lake Washington shoreline armoring	Characterization Ecological Designation criteria			shore
Docks on Lake Washington 1960	Shoreline use			see word document-UW_LAKE_WA. Note no real metadata exists.
Docks on Lake Washington 1974	Shoreline use			see word document-UW_LAKE_WA. Note no real metadata exists.
Docks on Lake Washington 1990	Shoreline use			see word document-UW_LAKE_WA. Note no real metadata exists.
Lake Washington docks as of 1999	Characterization Ecological Shoreline use Designation criteria			see word document-UW_LAKE_WA. Note no real metadata exists.
Lake Washington Dock attributes from 1999	Will not be used	Contains height and dock building data		see word document-UW_LAKE_WA. Note no real metadata exists.
HARD COPY. Lake Sammamish Natural Shoreline Survey-August 2000-not complete survey.	Will not be used	Survey is does not cover the whole study area.		N/A
ii) critical areas				
ii) Wetlands				
King County wetland layer	Characterization Ecological Shoreline use Designation criteria	Combines National Wetlands Inventory, King County wetlands and waterbody wetlands		http://www.metrokc.gov/gis/sdc/Content/Internal/enviro/sao_wetland.htm
National Wetlands Inventory	Will not be used	National Wetland Inventory locations have already been combined with King County wetlands		http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/sph_nwi.htm
King County Waterbody (wetlands)	Characterization Ecological Shoreline use Designation criteria	Contains both open water and vegetated wetlands.		http://www.metrokc.gov/gis/sdc/Content/Internal/hydro/wtrbdy_wet.htm
New King County Department of Development and Environmental Services wetland polygon shapefile	Characterization Ecological Shoreline use Designation criteria			in SMP directory KCWET
Wetland loss	Characterization ecological	Newly created file based on soils, slopes and existing wetlands data		no metadata yet.
Shorezone	Will not be used	Data is not as accurate as field verified marsh data.		http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/ssz_saitline.htm
2005 Marsh layer from Anchor Environmental.	Characterization Ecological Shoreline use Designation criteria			Marsh
ii) Aquifer Recharge Areas				

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Areas highly susceptible to Ground Water Contamination	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/asgwc.htm
Sole source aquifers	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/hydro/ssaquif.htm
Wellhead protection areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/hydro/ssaquif.htm
Critical aquifer recharge area	Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/cara.htm
ii) Fish and wildlife habitat conservation areas (FWHCA)				
Wildlife Habitat Network	Designation criteria		High landscape forest value and wildlife network	http://www.metrokc.gov/gis/sdc/Content/internal/enviro/wildnet1996.htm
Salmonid distribution Watershed Resource Inventory Area 7	Designation Criteria		Aquatic wildlife and habitat	http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=515
Salmonid distribution Watershed Resource Inventory Area 8	Designation Criteria		Aquatic wildlife and habitat	http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=396
Salmonid distribution Watershed Resource Inventory Area 9	Designation Criteria		Aquatic wildlife and habitat	http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=397
Salmonid distribution: Vashon	Designation Criteria		Aquatic wildlife and habitat	http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=398
Herring spawning areas	Designation Criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_herrspwn.htm
Surf smelt spawning areas	Designation Criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_smelt.htm
sand lance spawning areas	Designation Criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_sandlanz.htm
Eelgrass (shorezone)	Designation criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_eelline.htm
Kelp (shorezone)	Designation criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ssz_kelpline.htm
WDFW Priority Habitats and Species Database - aquatic habitat. Includes estuary data, waterfowl concentration areas, and cavity-nesting duck areas.	Designation Criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/addl_doc/200402sph7003/pages/sph_doc.html
Salmonid distribution Watershed Resource Inventory Area 10	Designation criteria		Aquatic wildlife and habitat	Still trying to find the data from the WRIA 10 Limiting Factors Report
Salmon and Steelhead Habitat Inventory and Assessment Preogram dams and fish barriers	Characterization Ecological		Aquatic wildlife and habitat	SSHIAP_Salmonscapedams and SSHIAP_Salmonscapfishpassage
Stream reaches with Freshwater Mussels	Designation Criteria		Aquatic wildlife and habitat	No metadata
WDFW Priority Habitats and Species Database - Data for aquatic species of concern: Barrow's Goldeneye, Common Loon, Wood Duck, Harlequin Duck, Tailed Frog, and Western Pond Turtle.	Designation Criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/addl_doc/200402sph7003/pages/sph_doc.html
Benthic Index of Biological Integrity Data; King County studies under two different protocols	Will not be used	Data was not intended to be stand-alone and could be misinterpreted as such.	Aquatic wildlife and habitat	metrics described here: http://dnr.metrokc.gov/wlr/waterres/bugs/metrics_desc.htm
Washington Department of Ecology dam layer	Characterization Ecological Shoreline use Designation criteria		Aquatic wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/hydro_ext/sde_dams.htm
WDFW PHS data for marine species and habitat. Files include sph_clamhard, sph_crab, sph_geoduck, and sph_urchin	Designation Criteria		information not placed on public maps	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_clamhard.htm , http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_crab.htm , http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_geoduck.htm , http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_urchin.htm
Washington Natural Heritage program, rare plant species/ associations	Designation Criteria		information not placed on public maps	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/snr_wnhpcurr.htm
WDFW Priority Habitats and Species Database - data for terrestrial species of concern: Beller's ground beetle, Great Blue Heron, and Pileated Woodpecker. Also large-mammal habitat areas.	Designation Criteria		Terrestrial wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/addl_doc/200402sph7003/pages/sph_doc.html
WDFW Priority Habitats and Species Database - snag-rich areas and cliffs. The wetlands and riparian area layers were not used because King County already has its own layers of that information.	Designation Criteria		Terrestrial wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/addl_doc/200402sph7003/pages/sph_doc.html
Bald Eagle nesting areas (Priority Habitat/Species database) - new file is called halebuf.shp	Designation criteria		Terrestrial wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_hrtgpts.htm

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Wildlife Heritage Database - contains information on non-game species of concern: American White Pelican, Beller's Ground Beetle, fisher, golden eagle, gray wolf, Great Blue Heron, Green Heron, Grizzly Bear, Larch Mtn. salamander, lynx, mountain quail, northern Goshawk, Osprey, Townsend's big-eared bat, Peregrine Falcon, Pileated Woodpecker, Purple Martin, and Vaux's Swift.	Designation criteria		Terrestrial wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_hrtgpts.htm
WDFW Priority Habitats and Species Database - spotted owl data. files is owls.shp	Designation criteria		Terrestrial wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/addl_doc/200402sph7003/pages/sph_doc.html
WDFW Priority Habitats and Species Database - marbled murrelet data. filename is mamupts.shp	Designation criteria		Terrestrial wildlife and habitat	http://gisdw/intranet/sdc/nonkcgis/addl_doc/200402sph7003/pages/sph_doc.html
King County Department of Development and Environmental Services red tail hawk data	Designation Criteria		Terrestrial wildlife and habitat	No metadata
Large woody debris locations in the lower Snoqualmie	Will not be used	Data is a snapshot of locations of large woody debris, and does not represent related ecological processes.		http://gisdw/intranet/sdc/nonkcgis/content/hydro_ext/rw_lwd.htm
Large woody debris locations in the Duwamish	Will not be used	LWD accumulations are transitory in nature, and shoreline armoring is a better indicator of wood deposition in any particular location.		LWDP_pt
Drift log accumulations in the Duwamish	Will not be used	Drift log accumulations are transitory in nature, and shoreline armoring is a better indicator of wood deposition in any particular location.		Drift_acc
Large woody debris and drift log accumulations along marine shorelines	Will not be used	LWD and drift log accumulations are transitory in nature, and shoreline armoring is a better indicator wood deposition in any particular location.		LWD
Marine Resource Database (Various shellfish and marine invertebrates layers)	Will not be used	These cover primarily subtidal organisms that insufficiently known for use as ecological indicators.		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/sph_clamhard.htm
Fish Barriers on Vashon, marine bulkhead	Will not be used	The data covers water courses not covered under the Shoreline Management Act		http://gisdw/intranet/sdc/nonkcgis/content/natres_ext/rw_bulkhead.htm
Fish barriers on Vashon, instream	Will not be used	The data covers water courses not covered under the Shoreline Management Act		http://gisdw/intranet/sdc/nonkcgis/content/natres_ext/rw_instream.htm
Fecal sources (waterfowl, dogs)	Characterization Ecological	Based on 2002 King County aerial photos (\\Gisdw\kclib\plibrary3\idxptrmbr\ortho_2002\usgs_nat) and staff knowledge (M. Murphy, WLRD Lake Stewardship) of dog/waterfowl use (see \\Wlm4\SMPI\GIS Staff Group)\Street_Ends - goose_dog_places)		None
ii) Geologically Hazardous Areas				
Slope stability (marine only) Washington Department of Ecology	Characterization Ecological Designation criteria	While the data are old, the file still contains information unobtainable elsewhere.		http://gisdw/intranet/sdc/nonkcgis/content/ENVIRO_EXT/SDE_SLPSTAB.htm
Toe Erosion layer (2005) (marine only)	Will not be used	The data in the file is incorporated into other datasets from the same study.		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/pcg_wria8_9_toe_erosion.htm
Recent landslide (2005) (marine only)	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/pcg_wria8_9_landslides.htm
Masswasting Inventory by Washington Department of Natural Resources	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/snr_lsi.htm
Sensitive Areas Ordinance erosion hazard areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/erode.htm
Sensitive Areas Ordinance landslide hazard areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/slide.htm
Sensitive Areas Ordinance seismic hazard Areas	Designation Criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/seism.htm
Sensitive Areas Ordinance coal mine hazard areas	Designation Criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/coalmine.htm
King County surficial geology layers	Characterization Ecological			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/ngs_surfgeol.htm
Drift Cells - modified in 2005	Characterization Ecological Designation criteria	Based on Department of Ecology drift cell files, but updated in several places with 2004 field data.		http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/pcg_wria8_9_all_studyarea_drift.htm
ii) Frequently Flooded Areas				
Channel migration hazard	Characterization Ecological Shoreline Use Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/hydro/chnlmigr.htm

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Floodway	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/hydro/floodway.htm
Floodplain layer	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/hydro/floodplain.htm
iii) Restoration				
iii) Degraded Areas with Potential for Ecological Restoration				
Modified marine shorelines	Restoration Planning			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_wria8_9_shoretype.htm
Small scale restoration opportunities in marine shorelines	Restoration Planning			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_restoration_opportunities.htm
Location of historic feeder bluffs in need of restoration (from 2005 study)	Restoration Planning			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_restoration_bluffs.htm
Watershed Resource Inventory Area 7 Salmon Conservation plan project list (hard copy)	Restoration Planning	There may be a digital counterpart for project locations.		N/A
Watershed Resource Inventory Area 8 Salmon Conservation plan project list (hard copy)	Restoration Planning	There may be a digital counterpart for project locations.		N/A
Watershed Resource Inventory Area 9 Salmon Conservation plan project list (hard copy)	Restoration Planning	There may be a digital counterpart for project locations.		N/A
Watershed Resource Inventory Area 10 Salmon Conservation plan project list (hard copy)	Restoration Planning	There may be a digital counterpart for project locations.		N/A
2006 Flood Hazard Reduction Plan, project list (hard copy)	Restoration Planning	There may be a digital counterpart for project locations.		N/A
iv) areas of special interest				
iv) Priority Habitats (note these are part of ii-FWHCA and not repeated here.)				
iv) Developing or redeveloping harbors and waterfronts				
1995 landcover	Will not be used			http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm
1998 landcover	Will not be used			http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm
2002 University of Washington landcover	Will not be used			http://www.metrokc.gov/gis/sdc/raster/landcover/Landcover_Data.htm
(Hard Copy) Lake Sammamish Natural Shoreline Survey August 2000	Will not be used	Survey does not cover the whole study area.		N/A
(hard Copy) Urbanization and shoreline development of Lake Washington. Hockett, 1976 (MS thesis)	Will not be used	2001 report by the University of Washington is more up to date.		N/A
(hard copy) Shoreline and Dock Modifications in Lake Washington, April 2001	Will not be used			N/A
iv) Previously identified toxic or hazardous Material Clean Up Sites.				
1998 303D waterbodies	Designation Criteria			http://gisdw/intranet/sdc/nonkcqis/content/natres_ext/sde_wrcrs303.htm
1998 303D watercourses	Designation Criteria			http://gisdw/intranet/sdc/nonkcqis/content/natres_ext/sde_wrcrs303.htm
Confirmed and suspected contaminated sites	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/NATRES_EXT/SDE_CSCSALL.htm
Washington Department of Ecology sediment clean up status	Characterization Ecological Designation criteria			Older data set. Have been unable to find it or an update to it.
iv) Dredge Disposal Sites				
none known				none
iv) Eroding Shorelines				
Slope stability (marine only) Washington Department of Ecology	Will not be used	Data is old and no longer up to date (other data sources cover current conditions)		http://gisdw/intranet/sdc/nonkcqis/content/ENVIRO_EXT/SDE_SLPSTAB.htm
Sensitive areas ordinance erosion hazard areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/erode.htm
Wave exposure (shorezone/ marine only)	Characterization Ecological			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/ssz_expline.htm
Shoretype (2005) (marine only)	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_wria8_9_shoretype.htm
Sensitive areas ordinance landslide hazard areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/slide.htm
Mass-wasting Inventory by Washington Department of Natural Resources	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/snr_lsi.htm
Toe Erosion layer (2005) (marine only)	Will not be used	The data in the file is incorporated into other datasets from the same study.		http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_wria8_9_toe_erosion.htm
Recent landslide (2005) (marine only)	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcqis/content/enviro_ext/pcg_wria8_9_landslides.htm

Attachment D. Documented Data Sources

Category of data/Data layer name	Analysis for which the data will be used.	Rationale for data use and details on how new data files were developed.	Map in which data was used	Metadata link
Hard Copy, Cedar River Current Conditions Report	Will not be used	Data is limited in spatial extent and not usable in current format		N/A
Hard Copy, Soos Creek Basin plan	Will not be used	Data is limited in spatial extent and not usable in current format		N/A
iv) MISC				
Rain on snow areas	Characterization Ecological Designation criteria			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/snr_rainsnow.htm
Rivers and streams	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/hydro/wtrcrs.htm
Salmon and Steelhead Habitat Inventory and Assessment Program - Stream confinement	Characterization Ecological Designation criteria			SSHIAIP_salmonscapesegments
Salmon and Steelhead Habitat Inventory and Assessment Program - culverts/ blockages	Characterization Ecological Designation criteria			SSHIAIP_Salmonscapefishpassage
v) conditions and regs in shorelands & adjacent areas				
v) Surface Water Management Areas				
Sensitive areas ordinance landslide hazard areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/slide.htm
Sensitive areas ordinance erosion hazard areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/erode.htm
Surface Water Design Manual water quality applications	will not be used			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/swdm_wq.htm
Surface Water Design Manual landslide hazard drainage areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/swdm_lh_da.htm
Surface Water Design Manual flow control applications	will not be used			http://www.metrokc.gov/gis/sdc/Content/internal/enviro/swdm_flow.htm
v) Land Use Regulations				
Zoning layer	Shoreline Use Designation Criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/zoning.htm
Current Shoreline Management Act designations	Shoreline Use Designation Criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/shorelinempp.htm
P-Suffix conditions	Shoreline Use Designation Criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/psc.htm
Forest production district	Characterization Ecological Shoreline Use Designation criteria		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/natres/forpddst.htm
Agricultural production district	Characterization Ecological Shoreline Use Designation criteria		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/natres/agrpddst.htm
Urban growth line	Characterization Ecological Shoreline Use Designation criteria		Land/shoreline use	http://www.metrokc.gov/gis/sdc/Content/internal/planning/ugline.htm
Groundwater management areas	Characterization Ecological Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/gwma.htm
Comprehensive plan land use	Designation criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/complu.htm
Clearing restriction areas	will not be used			http://www.metrokc.gov/gis/sdc/Content/internal/planning/clrestr.htm
Special district overlay	Shoreline Use Designation Criteria			http://www.metrokc.gov/gis/sdc/Content/internal/planning/sdo.htm
vi) Potential public access sites				
King County trails layer	Characterization Ecological Characterization Public Access Designation criteria		Public access	http://www.metrokc.gov/gis/sdc/Content/internal/recreatn/trail.htm
Current use taxation - Public Benefit Rating System	Shoreline uses Designation criteria	Parcels that are committed by owner agreement to providing public access to shorelines	Public access	http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=6
King County owned property	Characterization Public Access Designation criteria		Public access	http://www.metrokc.gov/gis/sdc/Content/internal/property/kcowned.htm
King County public lands	Characterization Public Access Designation criteria		Public access	http://www.metrokc.gov/gis/sdc/Content/internal/property/public_lands.htm
King County owned parcels	Characterization Public Access Designation criteria		Public access	http://www.metrokc.gov/gis/sdc/Content/internal/property/realprop.htm
Washington Department of Natural Resources aquatic land ownership.	Characterization Public Access Designation criteria		Public access	alo_aquatic_parcel
Hand boat launch locations within the Duwamish	Characterization Ecological Characterization Public Access Designation criteria			Hlaunch

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Boat launch data from Washington Interagency Committee	Characterization Ecological Characterization Public Access Designation			Boat moorage metadata and boat launch metadata
Access points (public and private) along the lower Snoqualmie River	Characterization Ecological Characterization Public Access Designation criteria			http://gisdw/intranet/sdc/nonkcgis/content/hydro_ext/nwt_access.htm
King County public lands layer by program	Characterization Public Access Designation criteria			Don't have metadata yet.
Mount Baker National Forest maintained recreation areas (Todd, is this the layer you used?)	Characterization Ecological Characterization Public Access Designation criteria		Public access	http://gisdw/intranet/sdc/nonkcgis/content/recreat_ext/nmb_recsites.htm
Mount Baker National Forest, all roads (Todd, is this the layer you used?)	Characterization Ecological Characterization Public Access Designation criteria		Public access	http://gisdw/intranet/sdc/nonkcgis/content/transportation_ext/nmb_roads_roadall.htm
Street Right of Way	Characterization Public Access Designation criteria	(not broken up in any way by road ends--ALL Right of Ways)		http://www.metrokc.gov/gis/sdc/Content/internal/property/row.htm
Hard Copy - Quartermaster Harbor studies 1976	Characterization Public Access Designation criteria	Will not be used		N/A
Street ends	Characterization Public Access	Based on 2002 King County aerial photos (\\Gisdw\kclib\plibrary3\idxptrmbr\ortho_2002usgs_nat) and ROW data (St_address) (see \\Wlmt4\SMPI\GIS Staff Group\AccessPoints)	Potential public access	
Compiled water access data layer	Characterization Public Access	Data is based on 2002 King County aerial photos (\\Gisdw\kclib\plibrary3\idxptrmbr\ortho_2002usgs_nat), \\Gisdw\kclib\plibrary2\recreat\shapes\point\park_facility), \\Gisdw\kclib\plibrary2\property\shapes\polygon(public_land), \\Wlmt4\SMPI\GIS Staff Group\ACboat launch(XYdbo_boat), and staff knowledge (M. Murphy, WLRD Lake Stewardship Program)	Public access	None
Informal access on County Natural Lands	Characterization Public Access	Based on staff knowledge (Connie Blumen, WLRD Natural Lands)	Public access	
Informal access on County Park Lands	Characterization Public Access	Based on staff knowledge (Sharon Claussen, DNRP Parks)	Public access	
Greenprint Parks and Regional Trails	Characterization Public Access	Med-High value (Greenprint assessment) parks and regional trail data clipped to shoreline	Potential public access	Figure 11 - Parks GIS Modeling Results (DNRP, Ken Rauscher)
Parcel ownership data	Shoreline Use			http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=69
Cedar River Public Access parcels	Characterization Public Access			Don't have metadata yet.
vi) Utility Corridors (see i) utility facilities above)				
vi) Public Right of Ways				
Street Right of Way	Characterization Public Access Designation criteria	(not broken up in any way by road ends--ALL Right of Ways)		http://www.metrokc.gov/gis/sdc/Content/internal/property/row.htm
Hard Copy - Quartermaster Harbor studies 1976	Characterization Public Access Designation criteria	May be used to augment Right of Way data from current Right of Way GIS files.		N/A
vii) General location of floodplains and CMZs				
Lower Snoqualmie River channel locations (1870, 1936, 2000)	Will not be used	Data does not represent a true "channel migration zone", but could be useful for general characterization of channel locations over the past 100 years.	Channel migration	http://gisdw/intranet/sdc/nonkcgis/content/hydro_ext/uuw_snq_1870.htm http://gisdw/intranet/sdc/nonkcgis/content/hydro_ext/uuw_snq_1936.htm http://gisdw/intranet/sdc/nonkcgis/content/hydro_ext/uuw_snq_2000.htm
Cedar River channel / floodplain locations. General land office: 1870s, 1936, 1944, 1944, 1948, 1959, 1964, 1970, 1980, 1989, 1995, 2000.	Will not be used	Data does not represent a true "channel migration zone", but could be useful for general characterization of channel locations over the past 100 years.	Channel migration	http://gisdw/intranet/sdc/nonkcgis/content/HYDRO_EXT/UUW_CEDAR00.htm
Channel migration hazards	Characterization Ecological Shoreline Use Designation criteria	spatial extent is limited	Channel migration	http://www.metrokc.gov/gis/sdc/Content/internal/hydro/chnlmigr.htm
vii) Floodplains				

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Category of data/Data layer name	Analysis for which the data will be used.	Rationale for data use and details on how new data files were developed.	Map in which data was used	Metadata link
Floodway	Characterization Ecological Shoreline Use Designation criteria	spatial extent is limited		http://www.metrokc.gov/gis/sdc/Content/internal/hydro/floodway.htm
KC floodplain layer	Characterization Ecological Shoreline Use Designation criteria	spatial extent is limited		http://www.metrokc.gov/gis/sdc/Content/internal/hydro/fldplain.htm
viii) Gaps in the Inventory				
Channel migration areas for the whole County				N/A
Floodplains / floodway for all streams and rivers				N/A
Muckleshoot Indian Tribe data on lake shore conditions in Lake Washington and Lake Sammamish				N/A
Road right of ways				N/A
Directed studies of eroding shorelines in freshwater shorelines				N/A
Dredge disposal sites				N/A
Comprehensive data on shoreline armoring of lakes and rivers.				N/A
Comprehensive data on gasoline pipelines				N/A
Comprehensive data on natural gas pipelines				N/A
Comprehensive data on phone and power lines				N/A
GIS based harbor line data (paper copy only)				N/A
Airport locations				N/A
Comprehensive water supply lines				N/A
Climate change models/impacts				N/A
Informal public boat launches				N/A
Lakeshore bulkhead/armoring data				N/A
ix) Cumulative Impacts				
1996, 2000, and 2002 imagery	Cumulative Impacts			http://www.metrokc.gov/gis/sdc/raster/ortho/Ortho1996NIESNATMetadata.html http://www.metrokc.gov/gis/sdc/raster/ortho/Ortho2000EmergeNATMetadata.html http://www.metrokc.gov/gis/sdc/raster/ortho/Ortho2002USGSNATMetadata.html
1975/76 oblique photos (marine)	Cumulative Impacts			http://apps.ecy.wa.gov/website/coastal_atlas/viewer.htm
1993 oblique photos (marine)	Cumulative Impacts			http://apps.ecy.wa.gov/website/coastal_atlas/viewer.htm
2000 oblique photos (marine)	Cumulative Impacts			http://apps.ecy.wa.gov/website/coastal_atlas/viewer.htm
Historic topographic sheets, digitized by University of Washington - rivers history group	Cumulative Impacts			Don't have metadata yet.
Landcover / type from historic topography - sheets (marine only)	Cumulative Impacts			Mega_T_sps
1995 landcover	Cumulative Impacts			http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=48
2001 King County Landcover	Cumulative Impacts			http://dnr-web.metrokc.gov/dnrtech/dnrpgislib/dnrplib_detail.cfm?DS_PID=454
2002 University of Washington landcover	Cumulative Impacts			http://www.metrokc.gov/gis/sdc/raster/ortho/index.htm#Reorg
Shoretype (marine only)	Cumulative Impacts			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/pcq_wria8_9_shoretype.htm
Historic shoretype (beach feeding sources)	Cumulative Impacts			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/pcq_wria8_9_modified_shore.htm
Historic shoretype (accretion shoreforms)	Cumulative Impacts			http://gisdw/intranet/sdc/nonkcgis/content/enviro_ext/pcq_historic_as_complete.htm
See shoreline modifications section (i) for many other data layers	Cumulative Impacts			N/A
1976 aerial photos of the marine shoreline	Cumulative Impacts			Not Finished Georeferencing them yet.
Hard copy of 1973 infrared photos - covers King County entirely	Cumulative Impacts			N/A
Hard copy of Sept 1972 infrared aerial photos of western half of King County (excluding Vashon / Maury Islands)	Cumulative Impacts			N/A
Hard Copy - 1936 aerial photos of all Vashon / Maury Islands and most of the marine shorelines within King County	Cumulative Impacts			N/A
Hard Copy - Shoreline and dock modifications in Lake Washington, April 2001	Cumulative Impacts			N/A
Hard Copy - Inventory and assessment of current and historic beach feeding sources/ erosion and accretion areas for the marine shorelines of WRIs 8&9. 2005	Cumulative Impacts			N/A
Hard Copy - Mapping historical conditions in the Snoqualmie River valley (RM0-RM40), 2002	Cumulative Impacts			N/A
Hard Copy - Chrzastowski (1983). Historical changes to Lake Washington and route of the Lake Washington Ship Canal, King County, Washington. U.S. Geological Survey Water Resources Investigations WRI 81-1182	Cumulative Impacts			N/A

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Hard Copy - Historical reconstruction, classification, and change analysis of Puget Sound tidal marshes. 2005.	Cumulative Impacts			N/A
Hard Copy--Lake Sammamish Natural Shoreline Survey-August 2000-not complete survey.	Cumulative Impacts			N/A
X) Archaeological and Historical Resources				
Historic sites shapefile (landmarks)	Characterization Public Access Designation criteria		Historical resources	http://www.metrokc.gov/gis/sdc/Content/internal/admin/histsite.htm
Archeological resources	Characterization Public Access Designation criteria	Data will be generalized spatially to avoid detailing precise locations of sensitive sites.	Historical resources	None