

Appendix D: Final Inventory Maps and Key Data Sources.

Table D1. Acronyms Used in Table D2.

Acronym	Organization
CGS	Coastal Geologic Services
DOE	Department of Ecology
DNR	Department of Natural Resources
FEMA	Federal Emergency Management Agency
FSJ	Friends of the San Juans
NRCS	Natural Resources Conservation Service
NOAA	National Oceanic and Atmospheric Administration
PIAT	The Pulling It All Together Project
PSNERP	Puget Sound Nearshore Ecosystem Restoration Project
SJC	San Juan County
WDFW	Washington Department of Fish and Wildlife
WFC	Wild Fish Conservancy
WSP	Washington State Parks

Table D2. Final Inventory Maps and Key Data Sources.

Map #	Map Title	Layer Name	Source File(s)
1	Context, Map Extents Key & Table of Contents		
2A 2B 2C	Proposed Shoreline Jurisdiction	Shoreline jurisdiction	<i>SJC_ShorelineJurisdiction_v101512</i> <ul style="list-style-type: none"> • Marine shoreline jurisdiction derived from NOAA, 2010 data (<i>NOAA_Shorelines</i>) <ul style="list-style-type: none"> • Buffered landward 200 feet • Town of Friday Harbor excluded • Area at north end of Orcas Island Airport revised per DOE comment • Lake shoreline jurisdiction derived from SJC, 2008 data (<i>Lakes</i>) <ul style="list-style-type: none"> • Lakes greater than 20 acres buffered 200 feet
		Lakes included in shoreline jurisdiction	<i>Lakes_SMA</i> <ul style="list-style-type: none"> • Derived from SJC, 2008 data (<i>Lakes</i>) <ul style="list-style-type: none"> • Lakes greater than 20 acres
		Potential associated wetlands	<i>Potential_Associated_Wetlands_TWC_V2</i> <ul style="list-style-type: none"> • Derived from Adamus Resource Assessment, Inc and EarthDesign, Inc in collaboration with SJC data, 2010 (<i>All_tidal_wetlands</i> and <i>Merge_wetlands_ted_mindy</i>) <ul style="list-style-type: none"> • Wetlands intersecting shoreline jurisdiction
3A 3B 3C	Land Ownership	Land ownership	<i>san_juan_protected_lands_v3</i> <ul style="list-style-type: none"> • SJC, 2010 <i>StateParks_SanJuanCounty</i> • WSP, 2012

4A 4B 4C	Existing Land Use Districts & Environment Designations	Land use districts	<i>landuse.shp</i> <i>landuse.lyr</i> • SJC, 2007
		Shoreline environment designation boundaries	<i>Shoreline_Designations.shp</i> <i>shore_designations_anno</i> <i>lake-designationsAnno</i> • SJC
5A 5B 5C	Current Land Use	Current land use	<i>Parcel_Link.shp</i> • SJC, 2010
6A 6B 6C	Marine Shoreline Public Access	Parks and open space with publicly accessible marine shoreline	<i>open_space_with_accessible_shoreline</i> • SJC, 2010 <i>StateParks_SanJuanCounty</i> • WSP, 2012
		Road ends	<i>road_ends_v2</i> • SJC, 2010
		Facilities	<i>marine_facilities</i> • SJC, 2010
		Trails and paths	<i>trails_and_paths</i> • SJC, 2010
		Other public and protected lands	<i>classification_polys_v1</i> • SJC, 2010
7A 7B 7C	Priority Trail Corridors		Note: These maps were not created as part of the shoreline master program update. These maps were created for the update of the San Juan County Parks, Trails, and Natural Areas Plan 2011-2016.
8A 8B 8C	Surface Water System	Water bodies	<i>Lakes_wb100k_region_wb_SJC_TWC</i> • Derived from SJC, 2008 data (<i>Lakes</i>) and DOE, 2000 data (<i>wc100k_route_wc</i>) • Boundaries of the water bodies in the SJC data took the place of the boundaries of the same water bodies in the DOE data
		Watercourses	<i>wc100k_route_wc</i> • DOE, 2000
		Culverts	<i>Culverts</i> • SJC, 2008 <i>Inlets_Outlets</i> • SJC, 2008
		Ditches	<i>Ditches</i> • SJC, 2008
		Tidegates	<i>Catch_Basins</i> • SJC, 2008 • Only tidegates shown
		Dams	<i>fd_dams</i> • PSNERP, 2010
9A 9B 9C	Shoreline Modifications	Marine overwater structures	<i>Overwater_Structure_Marine.shp</i> • DNR, 2007
		Armoring	<i>ArmorLineShorezone</i> • FSJ, 2009

		Marinas, jetties, and breakwaters (snapped to parcel lines)	<i>MarinaJettyBreakwater_Snapped</i> • FSJ, 2009 • A breakwater near Point Thompson included in the original dataset was removed
		Groins (snapped to parcel lines)	<i>Groin_Snapped</i> • FSJ, 2009
		Improved boat ramps (snapped to parcel lines)	<i>ImprovedBoatRamp_Snapped</i> • FSJ, 2009
		Marine railways (snapped to parcel lines)	<i>MarineRailway_Snapped</i> • FSJ, 2009
		Moorings (buoys and floats)	<i>Moorings</i> • FSJ, 2009
		Pilings	<i>Pilings</i> • FSJ, 2009
		Dams	<i>fd_dams</i> • PSNERP, 2010
10A 10B 10C	Septic Systems	Septic systems	<i>Septic.shp</i> • SJC, 2010
11A 11B 11C	Water Quality	Category 5 waters (303[d] list)	<i>303d_list</i> • DOE, 2008
		Category 4 waters	<i>305b_list</i> • DOE, 2008 • Other category waters not shown
12A 12B 12C	Floodplains & Wetlands	Floodplains	<i>sanjuan.shp</i> • FEMA, 1998
		Tidal wetlands	<i>All_tidal_wetlands</i> • Adamus Resource Assessment, Inc and EarthDesign, Inc in collaboration with SJC, 2010
		Non-tidal wetlands	<i>Merge_wetlands_ted_mindy</i> • Adamus Resource Assessment, Inc and EarthDesign, Inc in collaboration with SJC, 2010 • Areas of overlap with tidal wetlands erased
13A 13B 13C	Marine Net Shore Drift & Feeder Bluffs	Net shore drift	<i>Updated_current_NSD_SJC_Feb2010</i> • CGS, 2010
		Feeder bluffs	<i>SJCshoreformFinal_PIAT_Nov2011</i> • PIAT, 2011 • Shoreform codes FB and FBE mapped
14A 14B 14C	Shoreforms - PSNERP	Current marine shoreform types	<i>fd_shoreform_change</i> • PSNERP, 2010
15A 15B 15C	Geologic Units	Geologic units	<i>geologic_unit_poly_100k</i> • DNR, 2010
16A 16B	Soils	Soils	<i>soils.shp</i> • NRCS, 2007

16C		Hydric soils	<i>HydricSoils.shp</i> • NRCS, 2007
17A 17B 17C	Geologic Hazards	Unstable bluffs	<i>unsbluf.shp</i> • DOE, 1978
		Erosion-prone soils	<i>erosion_haz.shp</i> • SJC, 2003
		Slopes exceeding 40%	<i>slp40.shp</i> • SJC, 1998
		Shoreline slope stability	<i>slopestab.shp</i> • DOE, 2004
18	Liquefaction Susceptibility		Note: This map was not created as part of the shoreline master program update.
19A 19B 19C	Land Cover	Land cover	<i>WA_2006.img</i> • NOAA, 2006
20A 20B 20C	Impervious Surfaces	Percent impervious	<i>wa_2006_impervious.img</i> • NOAA, 2006
21A 21B 21C	Ecology Permitted Sites	Ecology permitted sites	<i>facility.shp</i> • DOE, 2011 • Only active sites shown
22A 22B 22C	Habitats & Species - Regions	Habitats and species regions	<i>phsregion_sv</i> • WDFW, 2010
23A 23B 23C	Habitats & Species - Aquatic Vegetation	Outer line of eelgrass	<i>OuterLineOfEelgrass</i> • FSJ, 2009
		Bull kelp	<i>Bullkelp</i> • FSJ, 2009
		Non-floating kelp	<i>nkelplin</i> • DNR, 2001
24A 24B 24C	Habitats & Species - Birds & Mammals	Species observations (points)	<i>ws_occurpoint_dr</i> • WDFW, 2010 • Sensitive data excluded per WDFW policy
		Species observations (areas)	<i>ws_occurpolygon_dr</i> • WDFW, 2010
		Harbor seal haulout sites	<i>haulouts</i> • WDFW, 2010
		Seabird colonies	<i>sbirdcat_sv</i> • WDFW, 2010
		Bald eagle buffers	<i>baldeagle_bf</i> • WDFW, 2010
25A 25B 25C	Habitats & Species - Fish	Fish distribution	<i>fishdist_sv</i> • WDFW, 2010
		Pacific herring adult holding areas	<i>herrhold</i> • WDFW, 2010

		Pacific herring spawning areas	<i>DocHerringSpawingGround2012</i> • WDFW, 2012
		Rocksole spawning areas	<i>rocksole</i> • WDFW, 2010
		Sand lance intertidal spawning habitat	<i>doc_sand_lance_spawning</i> • WDFW, 2010
		Surf smelt intertidal spawning habitat	<i>doc_smelt_spawning</i> • WDFW, 2010
		Forage fish spawn beaches	<i>AllSpawnFinal</i> • FSJ, 2009
26A 26B 26C	Habitats & Species - Shellfish	Shellfish	<i>shellfish_summary</i> • WDFW, 2010
27A 27B 27C	Fish Presence Probability - Juvenile Chinook Salmon	Probability of presence of wild juvenile Chinook salmon	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Ck field mapped
28A 28B 28C	Fish Presence Probability - Juvenile Chum	Probability of presence of juvenile chum salmon	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Chum field mapped
29A 29B 29C	Fish Presence Probability - Juvenile Pink Salmon	Probability of presence of juvenile pink salmon	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Pk field mapped
30A 30B 30C	Fish Presence Probability - Juvenile Lingcod and Greenling	Probability of presence of juvenile lingcod and greenling	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Hex field mapped
31A 31B 31C	Fish Presence Probability - Juvenile Surf Smelt	Probability of presence of juvenile surf smelt	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Smelt field mapped
32A 32B 32C	Fish Presence Probability - Juvenile Pacific Sand Lance	Probability of presence of juvenile Pacific sand lance	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Lance field mapped
33A 33B 33C	Fish Presence Probability - Juvenile Pacific Herring	Probability of presence of juvenile Pacific herring	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • HRM_Herr field mapped
34A 34B 34C	Shoreline Types & Armoring	Shoreline type	<i>SJ_geomorph_FishProb.shp</i> • Beamer and Fresh, 2012 • SiteType3 field mapped

35A 35B 35C	“Vacant” Shoreline Parcels	“Vacant” parcels intersecting shoreline jurisdiction	<ul style="list-style-type: none"> • <i>Parcel_Link.shp</i> • SJC, 2010 <ul style="list-style-type: none"> · Parcels intersecting shoreline jurisdiction with an assessed building valuation of \$10,000 or less mapped
36A 36B 36C	Parcels with Potential Nonconforming Shore Structures	Parcels with one or more potentially nonconforming structures within 50 feet of the shoreline	<i>Parcels_Nonconf_Struct_50ft</i> <ul style="list-style-type: none"> • Derived from SJC, 2010 data (<i>Parcel_Link.shp</i>) and SJC, 2011 data (<i>Building_Footprints.shp</i>) <ul style="list-style-type: none"> · Parcels with building footprint within 50-foot shoreline buffer mapped
37A 37B 37C	Management Areas & Reaches	Management areas	<i>Mgmt_Areas_Upland_Final</i> <ul style="list-style-type: none"> • Created from shoreline jurisdiction dataset (see Map 2 info) <ul style="list-style-type: none"> · Town of Friday Harbor shoreline and islets .5 acre or less removed · Area at north end of Orcas Island Airport not revised (dataset created prior to DOE comment) <i>Mgmt_Areas_In_Water_Final</i> <ul style="list-style-type: none"> • Derived from NOAA, 2010 data (<i>NOAA_Shorelines</i>) <ul style="list-style-type: none"> · Marine waters only · Town of Friday Harbor shoreline, islets .5 acre or greater removed
		Reaches	<i>Reaches_Final</i> <ul style="list-style-type: none"> • Created from shoreline jurisdiction dataset (see Map 2 info) <ul style="list-style-type: none"> · Town of Friday Harbor shoreline and islets .5 acre or less removed · Area at north end of Orcas Island Airport not revised (dataset created prior to DOE comment)
38A 38B 38B	Ecological Function - Physical	Ecological function (physical)	<i>Reaches_Final_w_scores v102512</i> <ul style="list-style-type: none"> • Derived from reaches dataset (see Map 37 info)
39A 39B 39C	Ecological Function - Habitat	Ecological function (habitat)	<i>Reaches_Final_w_scores_v102512</i> <ul style="list-style-type: none"> • Derived from reaches dataset (see Map 37 info)
40A 40B 40C	Streams - Wild Fish Conservancy	Streams	<i>sj_oi_streams</i> <ul style="list-style-type: none"> • WFC, 2012

41A 41B 41C	Pocket Beaches, Feeder Bluffs, & Armoring	Pocket beaches	<i>SJCshoreformFinal_PIAT_Nov2011</i> • PIAT, 2011
		Feeder bluffs	<i>SJCshoreformFinal_PIAT_Nov2011</i> • PIAT, 2011 • Shoreform codes FB and FBE mapped
		Armoring	<i>ArmorLineShorezone</i> • FSJ, 2009