

APPENDIX B

GIS DATA SOURCES

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Mason County SMP GIS Data Sources List

June 30, 2011



Theme	Layer	Description	Source	Date	Website/Additional Information			
1	Transportation	Shoreline Oblique Imagery	Shoreline Oblique Aerial Photos	Ecology	2006	http://apps.ecy.wa.gov/shorephotos/index.html		
		Place Names	For Cartographic Purposes	Mason Co	2010			
		Street Centerlines	Updated regularly	Mason Co	2011			
		Airfield		Mason Co	Unknown			
		Railroads		WSDOT	2008	http://www.wsdot.wa.gov/mapsdata/geodatacatalog/Maps/24k/DOT_Cartog/24KRail.htm		
2	Public Access	Shoreline Public Access		Ecology	2010	http://www.ecy.wa.gov/services/gis/data/shore/shore-pub-ac.htm		
3	Nearshore Process Degredation (SNAR) (PSNERP)	Nearshore Process - Strategic Needs Assessment Report	Overall Process Degredation Score	PSNERP	2010			
		Sediment Input	Strategic Needs Assessment	PSNERP	2010	See Strategic Needs Assessment Report (SNAR)		
		Sediment Transport	Strategic Needs Assessment	PSNERP	2010			
		Erosion/Accretion of Sediment	Strategic Needs Assessment	PSNERP	2010			
		Tidal Flow	Strategic Needs Assessment	PSNERP	2010			
		Distributary Channel Migration	Strategic Needs Assessment	PSNERP	2010			
		Tidal Channel Formation	Strategic Needs Assessment	PSNERP	2010			
		Freshwater Input	Strategic Needs Assessment	PSNERP	2010			
		Detritus Import and Export	Strategic Needs Assessment	PSNERP	2010			
		Exchange of Aquatic Organisms	Strategic Needs Assessment	PSNERP	2010			
		Physical Disturbance	Strategic Needs Assessment	PSNERP	2010			
		Solar Incidence	Strategic Needs Assessment	PSNERP	2010			
		4	Shoreline Modifications PSNERP Data and Impervious Surface	WNRD Shorezone Modification Data		WDNR	2000	
Facility Sites				Ecology	2009	http://www.ecy.wa.gov/services/gis/data/enviro/facility.htm		
Marinas > 10 boat slips	Change Analysis Geodatabase			PSNERP	2009	http://pugetsoundnearshore.org/		
Dams				PSNERP	2009			
Nearshore Fill				PSNERP	2009			
Tidal Barriers				PSNERP	2009			
Breakwater Jetties				PSNERP	2009			
Fish Passage Barriers				PSNERP	2009			
Roads Crossing Streams				PSNERP	2009			
Shoreline Armoring				PSNERP	2009			
Bulkheads				PNPTC	2002			
Overwater Marine Structures				PSNERP	2009			
Overwater Structures Marine				WNDNR	2009	http://fortress.wa.gov/dnr/app1/dataweb/metadata/OWS_Marine_metadata.htm		
Overwater Structures - Lakes				WDNR	2009			
Overwater River Structures				WNRD	2009			
Impervious Surface	Change Analysis Geodatabase			PSNERP	2009			
Fish Passage Barrier Inventory				WDFW	2009			
Shoreline Alterations	Backshore, Bulkhead, Marine, Shoreline Features			PNPTC	2002	http://www.pnptc.org/Historical_Nearshore.html		
Channel Migration Zone	Skokomish River only			GeoEngineers	2006			
5	Hazard Areas			Shoreline Slope Stability		Ecology	2004	http://www.ecy.wa.gov/services/gis/data/shore/slopestab.htm
		Landslide Hazard Areas		WDNR	2009			
		Seismic Hazard Areas		Mason Co	2009			
		Frequently Flooded Areas	(outdated) - revised FEMA	FEMA/Mason County	1998			
		Erosion Hazard Areas		Mason Co	2009			
		Priority Fish Distribution		WDFW	2010	http://wdfw.wa.gov/conservation/phs/		
6	Biology Habitat	Summer Chum Distribution		HCCC	2009	http://maps.hccc.wa.gov/		
		Natural Heritage Plants	Natural Heritage Plants Database	WDNR	2009	http://www1.dnr.wa.gov/nhp/refdesk/gis/wnhpgis.html		
		Shellfish Closure Zones		DOH	Current			
		Sand Lance Spawning		WDFW	2010	http://geomap1.geodata.org/website/metadata/heritage/sandlace_metadata.htm		
		Marine Mammal Haulout Areas		WDFW	2010			
		Marbled Murrelet Detection Sections		WDFW	2010			
		Smelt Spawning Areas		WDFW	2010			
		Priority Habitat and Species Polygons	WDFW PHS Polygons	WDFW	2010			
		Shellfish Summary		WDFW	2010			
		Wildlife Survey Occurrence Points		WDFW	2010			
		Bald Eagle Buffers		WDFW	2010			
		Nearshore Habitat Model	developed for Squaxin Island	Anchor QEA	2004			
		Backshore	Backshore, Bluff, Nearshore,	PNPTC	2002			
		Eelgrass	Hyperspectral RS Data	PNPTC		http://www.dnr.wa.gov/ResearchScience/Topics/AquaticHabitats/Pages/agr_nrsh_eelgrass_monitoring.aspx		
		Seagrass, Eelgrass, Kelp - Newer DNR dataset		WDNR	Varies			
		7	Mason Co SMP Update Data	WDNR Seagrass, Kelp		WDNR	Varies	
				20 cfs upstream limits	USGS 1998	USGS/Ecology	1998	http://www.ecy.wa.gov/services/gis/data/shore/sma-pnts-sugg.htm
Draft SMP Update Lakes				ESA Adolfsen	2009			
Draft SMP Update Streams				ESA Adolfsen	2009			
SMP 200' Buffer				ESA Adolfsen	2009			
Wetlands	National Wetland Inventory			USFWS				
1% Chance Annual Flood	FEMA Floodplain (outdated)	FEMA	1996	http://www.ecy.wa.gov/services/gis/data/flood/q3metadata.asp?name=mason				

		Preliminary SMP Jurisdiction		ESA Adolfsen	2010	
		Existing Shoreline Environment	Derived from CAD and Maps	Mason Co	2011*	
		Shoreform Change Type		PSNERP	2009	
		Liliwaup, Skokomish and Union geology	Division of Geology and Earth	WDNR	2010	
		Riparian Vegetation	<i>Still in development</i>	PNPTC	2011	
		Current Shoreline		PSNERP	2009	
		Drift Cells		PSNERP	2009	
		Geology, 100k		WDNR	2010	
		NRCS Hydric Soils		NRCS	2003	
		NRCS Soils		NRCS	2003	
		USFS Soils	Olympic National Forest	USFS	1999	
		Estuarine and Shoreline Features		PNPTC	2005	http://www.pnptc.org/
		NOAA CCAP Land Cover		NOAA	2006	
		HCCC Impervious	Derived from NAIP 2006	HCCC	2006	http://maps.hccc.wa.gov/
		Vegetation Land Cover Data	GAP Analysis Project - Level III Land Cover	GAP	2009	http://lc.gapanalysisprogram.com/landcoverviewer/Map.aspx
		USGS River Miles		USGS/Ecology	2007	http://www.ecy.wa.gov/services/gis/data/hydro/rivermiles.htm
		MC Watershed Basins		Mason Co	Unknown	
		WRIA Boundaries		Ecology	2000	
		Streams (Detailed)		WDNR	2007	
		Ecology 303D list		Ecology	2008	
		Current and Historic Shoreline Wetlands		PSNERP	2009	
		NWI Wetlands		USFWS	2010	
		Floodway		FEMA	1996	
		WDNR Hydro Waterbodies		WDNR	2004	
		FEMA Flood Data		FEMA	1998	
		Critical Aquifer Recharge Areas (CARAs)	from CAD	Mason Co	Unknown	Looking into this
		Cities	Shelton	Mason Co	2005	
		Urban Growth Areas/RAC/Hamlets	Allyn, Bellfair, Shelton	Mason Co	2008	
		HCCC Build-out Analysis	Hood Canal area only	HCCC	2008	http://maps.hccc.wa.gov/
		Zoning	Development Areas	Mason Co	2010	4 separate layers - each UGA developed their own zoning codes etc.
		Existing Land Use		Mason Co	2010	
		Future Land Use		Mason Co	2009	
		Restoration and Protection Results for Recharge	Watershed Characterization Results	Ecology	2010	http://www.ecy.wa.gov/biblio/1006014.html
		Discharge		Ecology	2010	
		Surface Storage		Ecology	2010	
		Water Flow		Ecology	2010	
		Aquatic Parcels		WDNR	2010	
		Publically Owned Tidelands		WDNR	2010	
		Protected Lands		PSNERP	2009	
		State Tribal Lands		Ecology	2010	
		Olympic National Park		NPS	2007	
		Public Ownership		PSNERP	2009	
		HCCC Protected Lands	Hood Canal area only	HCCC	2007	http://maps.hccc.wa.gov/
		Mason County Boundary		Mason Co	2008	
		Parcels		Mason Co (Whiteshield)	2010	
		2009 NAIP Imagery (1-m)	Ortho-photo (1-m resolution)	USDA	2009	
		WDNR Hillshade	Derived from 10-m DEM	WDNR	2000	
		2009 Aerials Express Imagery		Aerials Express via County	2009	
		Contours 20'	Derived from LiDAR from PSLC	Mason Co	2006	
		WRIA 14 & 16 Data and Maps	Various	Golder & Assoc	2003	
		CLC Olympic Agenda Data and Maps	Various	CLC	2008	
		DOT Road Inventory Data	Stormwater Data	WSDOT		
		Skokomish Valley Project	Active Channel, Aculsion, CMZ, Historic Channel, Mitigation potential areas	GeoEngineers	2006	
		PUD System Map	Various DWGs	via Mason Co	2011	PUD 3's data
		Natural Resources - Growth Management	Aquaculture, Boat Launch, Coastal drift, Floodplains, Parks, Slopes, etc.	Mason Co	1995	
		Planning Department - Comp Plan DWGs	Comp Plan, Wetlands, Land Use, Critical Areas, etc.	Mason Co	1999-2001, 2005	
		Harstine Pointe Water and Wastewater Facilities	Includes Outfalls, WWTP, Wells, Water storage, Manholes, Lift Stations, Service Valves	Mason Co	2007	
		Catch Basin Inventory (gdb)	Catch Basins, Culverts, Outfalls, Stormwater Detention Ponds	Mason Co	2010	
		North Bay Water Wastewater System	Includes WWTP, Wells, Manholes, Lift Stations, Service Valves	Mason Co	2007	
		Rustlewod Water and Wastewater System	Includes WWTP, Outflow, Wells, Manholes, Water Storage	Mason Co	2007	
		On-site Septic Data	HCCC	HCCC		http://maps.hccc.wa.gov/

		Water Quality Sample Results	Mason County Health Dept Water Quality Program	Mason Co	2010	
17	Utilities	WUTC Pipeline	Washington State Pipeline	WUTC	Unknown	
		BPA Lines, ROW and Towers		Bonneville Power	Unknown	
18	Restoration	Nearshore Project Selection Tool	Conservation and Restoration priorities in South Puget Sound	Squaxin Island Tribe		
		Greater Mason Habitat Assessment	Assessment and Recommendations for Restoration/Conservation	Anchor Environmental, LLC	2004	
		Oakland Bay Hammersley Inlet Nearshore Habitat Assessment		Anchor Environmental, LLC	2002	
19	Other	DNR Commercial Aquaculture database	Aquaculture	WDNR	2011	