

**THURSTON COUNTY
SHORELINE MASTER PROGRAM UPDATE**

SHORELINE ANALYSIS AND CHARACTERIZATION

APPENDIX C: GIS DATA SOURCES

The table within this Appendix outlines the GIS shapefiles that were utilized by reviewers during the Shoreline Analysis and Characterization process. The table contains three columns. The GIS data layer name column shows the name of the data layer as provided to the reviewers by Thurston County GeoData. Columns two and three provide a description of the data layer as well as a reference for the data layer respectively. All of the information within these columns was obtained from the metadata attached to the shapefile provided by Thurston County Geodata.

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
Aerials	Thurston County, 2006 Aerials.	Thurston GeoData Center
All_foragefish_data	Forage Fish Data of Puget Sound shoreline for Thurston County, Washington. This data is compiled from surveys done by Washington Dept. of Fish and Wildlife between 1972 & 2004. Forage fish species include Sand Lance, Surf Smelt, Rock sole & Herring.	Thurston County Regional Planning Council
allmines	This data shows all known mines in Thurston County. The data was created on 09/15/1999.	Thurston GeoData Center
alluga	Thurston County Urban Growth Areas, Washington.	Thurston GeoData Center
anadpres	Anadromous Fish Presence, 07012002.	WDFW
anadrear	Anadromous Fish Rearing Areas, 07012002.	WDFW
anadspwn	Anadromous Spawning Areas, 07012002.	WDFW
AssortedReachBreaks_042409_FINAL2	Assorted Reach Breaks for SMP update.	Thurston County Strategic Planning Department
barriers	Anadromous Fish Barriers, 07012002.	WDFW
Basins	Thurston County Basins, Washington.	Thurston GeoData Center; Stormwater Department; Thurston County Current Planning (1993)

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
bldg_ft_prn	Dataset is a polygonal representation of structures within Thurston County.	Thurston GeoData Center, and David C. Smith & Associates, Inc. (31 Jan 2003)
bridges	Bridges in Thurston County, Washington.	Thurston County GeoData Center (1999)
bulkheads	Marine bulkheads of Thurston County, Washington.	Thurston Regional Planning Council
bulkhead_areas	Estimated area of Thurston County beaches covered by bulkheads identified from aerial and oblique photographs.	Herrera Environmental Consultants, Bulkhead Areas (January, 2004)
bullchar	WDFW Bull Trout/Dolly Varden Presence, Spawning and Rearing Areas. 07012002.	WDFW
Cities 4_29_09	Thurston County city boundaries.	Thurston County Boundary Review Board and Thurston GeoData Center
coastal_unstable_slps	Unstable slopes as identified within the Coastal Zone Atlas.	Washington State Department of Ecology, Shorelands and Coastal Zone Management Program (2004)
Contours	Two Foot Contours of Thurston County, Washington used for shaded relief map. This dataset was developed as part of the county's aerial program. It is comprised of black and white photography from a flight flown in June of 1996.	Thurston County Survey Office, Thurston GeoData Center, David Smith & Associates
Cotrail	County Rails to Trails.	Thurston GeoData Center and Thurston County Parks Department (M. Welter), (2000), Trails (Rails to Trails)
Csites	Contamination sites in Thurston County, Washington.	Thurston County Environmental Health Department

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
Culverts	GPS location of all culverts in the County.	Thurston County Roads and Transportation
Damage96	Flood damage location points from 1996.	Thurston GeoData Center
DeschutesReachBreaks_041509_FINAL.sbn	Deschutes River Reach Breaks for SMP Update.	Thurston County Strategic Planning Department
drift	Drift cells.	Coastal Zone Atlas
femapnls	Thurston County, Washington FEMA panels.	FEMA
Flood96	Visible flooded areas in Thurston County during 1996 flood.	Thurston GeoData Center
Flood99	Contour based flood information for 1999 event.	Thurston GeoData Center
Floodway	Water Channel or Flood Zone determined by FEMA.	FEMA and Thurston GeoData Center
Floodway_buffer	Water Channel or Flood Zone determined by FEMA. The Floodway must be contained within floodzone.	FEMA and Thurston GeoData Center (1992)
Floodway_optional	Water Channel or Flood Zone determined by FEMA.	FEMA and Thurston GeoData Center (1992)
floodzns	Flood Zones (FEMA 100 & 500 yr).	FEMA
govtland	Government owned lands in Thurston County.	Thurston County Assessors Office
Hazslide	Thurston County, Washington landslide hazards/soils.	Thurston GeoData Center
Hazslope	Thurston County Hazardous Slopes, Washington.	Thurston GeoData Center
herring	WDFW Herring Pre-Spawn Holding Areas and Spawning Grounds.	WDFW
Hgw	High water and 300 foot buffers.	Thurston GeoData Center

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
hydric	This coverage provides the county with the hydric soils data of the USDA.	Thurston GeoData Center, SCS, and DNR
hydro	The hydro data are a representation of the Thurston County's hydro network. It includes all water bodies: rivers, lakes, ponds, inlets.	Thurston GeoData Center
Jurisdiction_21Apr09_Final3	Proposed Thurston County Shoreline Jurisdiction.	Thurston County Strategic Planning Department
landfills	Landfills located in Thurston County, Washington.	Thurston GeoData Center
landslide_Erode	Areas along Thurston County's shoreline that are eroding or have had landslides and associated information.	Herrera Environmental Consultants (January 2004)
launches	WDFW Boat Launches.	WDFW
military	Fort Lewis encompassing Thurston and Pierce Counties.	Thurston GeoData Center
mineral	Thurston County mines – 1997.	Thurston County Current Planning and Thurston GeoData Center
nitpoly	Thurston County high nitrate area.	Thurston County Environmental Health Department
oakhabit	Oak Habitat (dominant, conifer mixed, conifer deciduous).	Thurston GeoData Center, Thurston Regional Planning Council
Parcels	Parcels of Thurston County, Washington.	Thurston County Assessor's Office; Thurston County Survey Office; Thurston GeoData Center; Submissions by Property Owners or their Representatives, unknown, parcels
parkpnts	County Park Locations.	Thurston GeoData Center (February 2000)

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
parks	Thurston County Parks.	Thurston GeoData Center, County and City Parks Department
pcdcul	This coverage contains the Pierce Conservation District (PCD) Fish Passage Inventory Project site locations. PCD completed an inventory of culverts (and some small dams, fishways and natural barriers) in the Nisqually Watershed in 2002.	Pierce Conservation District (August 19, 2005)
phsfish	PHS designated Resident and Anadromous Fish, 07012002.	WDFW
Preservation sites	Specific sites with unique habitat-related characteristics that should be preserved or restored.	Herrera Environmental Consultants (2004)
Prioritization	Reaches along the Thurston County shoreline that meet specific preservation or restoration criteria derived in this study. Reaches were designated high priority when the majority of the criteria were met.	Herrera Environmental Consultants (2004)
Reach Break Lakes 42009	Lake reach breaks for SMP update.	Thurston County Strategic Planning Department
Reach_Breaks_Black_042409_FINAL.sbn	Black River reach breaks for SMP update.	Thurston County Strategic Planning Department
Reach_Breaks_Chehalis_042409_FINAL.sbx	Chehalis River reach breaks for SMP update.	Thurston County Strategic Planning Department
Reach_Breaks_Marine_051809	Marine reach breaks for SMP update.	Thurston County Strategic Planning Department
Reach_Breaks_Nisqually_042209_FINAL.sbx	Nisqually River reach breaks for SMP update.	Thurston County Strategic Planning Department
Reach_Breaks_Skookumchuck_042409_FINAL	Skookumchuck River reach breaks for SMP update.	Thurston County Strategic Planning Department

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
roads	The road data are a representation of the Thurston County's ground transportation network. It includes the majority of the roads that serve four or more commercial or residential sites.	Thurston GeoData Center
rocksole	Rock sole Spawning Areas.	WDFW
sandlance	Sand lance Spawning Areas.	WDFW
sasi	Anadromous fish species.	WDFW
seabirds	WDFW Seabird Colonies.	WDFW
sen_area	WDFW Priority Species (Sensitive Areas).	WDFW
sen_site	WDFW Priority Species (Sensitive Sites).	WDFW
shell	WDFW Shellfish Spawning, Rearing, and Harvesting Areas.	WDFW
shoremp	Current Shoreline Master Plan designation.	Thurston County Current Planning; Thurston GeoData Center
skook_culv	Lewis County Conservation District's Skookumchuck Culverts Data.	Lewis County Conservation District (2002)
smelt	WDFW Smelt Spawning Areas.	WDFW
soils	This coverage provides the county with the soil classification data of the USDA.	Thurston GeoData Center, SCS, and DNR
solidwaste	Solid Waste stations.	Thurston GeoData Center
streams	The hydro data are a representation of the Thurston County's hydro network. It includes all water bodies: rivers, lakes, ponds, inlets.	Thurston GeoData Center (2003)

GIS Data Layer Name	Description of Data Layer	Reference for Data Layer
Thurston_Shoreline_Geology	Polygon shapefile of surficial geology along the Thurston County shoreline digitized from the Coastal Zone Atlas of Washington published by the Washington State Department of Ecology in 1980.	Herrera Environmental Consultants (2004)
utility	Utilities (Gas, Fiber Optics, and Power Transmission Lines).	Thurston GeoData Center
wetlands	This dataset was created as a composite of the wetland delineations identified by the Thurston Regional Planning Council (TRPC) staff and the National Wetlands Inventory data.	Thurston Regional Planning Council and NWI, and the Thurston GeoData Center
wildculv	Thurston County Department of Fish and Wildlife fish passage culverts.	WDFW
wqgauges	Thurston County water quality gauging stations locations.	Thurston County Stormwater Department
wria	Thurston County water resource inventory areas.	Washington State Department of Ecology
wria13_culverts	Culverts located within WRIA 13.	South Puget Sound Salmon Enhancement Group and WDFW Data
wria14_culvert	Culverts located within WRIA 14.	South Puget Sound Salmon Enhancement Group
Zoning	Thurston County Zoning (CO, UGA, Lacey, Tumwater/Olympia).	Thurston County Current Planning (F. Knostman) and Thurston GeoData Center (KLB), (November 2002)