

# **Wahkiakum County and Town of Cathlamet Shoreline Master Program Update**

## **Inventory and Characterization Report**

Local Adoption Draft

**APPENDIX B GIS Sources**

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**List of Inventory Data Sources**

<b>Shoreline Jurisdiction</b>					
<b>Hydrologic Data</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Ordinary High Water Mark (OHWM)	Line	CREST	Yes		Created
State Boundary	Line	OFM	Yes		
Ordinary High Water (200') Offset	Poly	CREST	Yes		Created
SMA Streams and Rivers	Line	Ecology	Yes		
FEMA Flood Zones	Poly	FEMA	Yes		Q3 FIRMS
USACE Flood Data for Lower Skamokawa and Elochoman Rivers	Poly	USACE	Yes		
<b>Wetlands Data</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Wetlands Classifications	Poly	NWI USFWS	Yes		
Wetlands Buffers	Poly	CREST/NWI USFWS	Yes		
Associated Wetlands	Poly	CREST/NWI USFWS	Yes		
<b>Political Data</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
State Boundary (3-nautical miles)	Line	OFM	Yes		
County Boundary	Polygon	Wahkiakum	Yes		
Preliminary Shoreline Designation	Polygon	Wahkiakum	Yes		
<b>Other Data</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Transportation	Line	WSDOT	Yes		
Public Lands Survey	Polygon	Misc	Yes		
Roads	Line	TIGER 2010	Yes		

<b>Shoreline Inventory and Characterization</b>					
<b>Landuse</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Land Use	Polygon	Ecology	Yes	Land Use 2010	
Impervious Surfaces	Polygon	NOAA CCAP	Yes	Landcover 2011	
Forest Cover	Polygon	LandFire/NOAA CCAP	Yes	LandFire 2010, LandCover 2011	30m pixels.
Land and shoreline ownership	Polygon	Wahkiakum/DNR	Yes		
Zoning	Polygon	Town of Cathlamet	Yes		Wahkiakum does not have zoning, but the town of Cathlamet does.
Public Areas	Polygon	Wahkiakum/WDNR	Yes		This does not include county/local lands.
Shorelines and modifications	Line	LCEP	Yes	2010	
Land Cover	Raster	LCEP	Yes		30m
Transportation	Line	Wahkiakum	Yes		
Aquaculture	Polygon	DNR	Yes		
<b>Environmental</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Vegetation	Misc	NLCD/Landfire/LCEP	In Progress		Landcover dataset Landfire 2010 and LCEP landcover
Large Woody Debris	Misc	CREST 2006	Yes		Wade, G. 2002 Lower Columbia Fish Recovery Board. Salmon and Steelhead Habitat Limiting Factors: Water Resource Inventory Area 25. Olympia, WA: Washington State Conservation Commission.
Topography	Misc	LiDAR, 3m and 10m Dem	Yes		Partial for County, finer scale data was used were available.
Drainage Areas	Polygon	Wahkiakum	Yes		Watersheds.
Critical Areas	Misc	CREST/Created	Yes		A map of critical areas is based on data from CREST 2006 "Wahkiakum County Shoreline Atlas". Data layers were combined to form one Critical Areas map.
Channel/Shoreline Migration Zones	Misc	Wahkiakum	In Progress		Data was created based on analysis methods from Ecology and floodplain data from FEMA and Wahkiakum County.
Preservation / Restoration Sites	Misc	Wahkiakum	In Progress		Only have Steamboat Slough, grays river stuff, but also see WRIA reports as there is some info there.
303D Data	Line	Ecology	Yes	303d 2012	
SWIFD - salmon habitat	Line	WDFW	Yes		Replaces streamnet/SSHIAP data.
Fish Habitat	Misc	WDFW	Yes		NOAA and LCEP has general salmonid habitat data, whereas WDFW has observational and PHS data.

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Washington PHS	Polygon	WDFW	Yes		Data was adjusted based on meetings with WDFW ecologist/biologists.
<b>Other</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Cultural	Misc	DAHP	Yes		
Aerial Photography 2013	Raster	NAIP	Yes		
Aerial Photography Historic	Raster	USACE/Ecology	Yes		None from the Corps, but using Ecology's shoreline atlas.
<b>Ecosystem Process and Shoreline Function</b>					
<b>Process Characterization</b>	<b>Type</b>	<b>Source</b>	<b>Status</b>	<b>Reference</b>	<b>Comments</b>
Flooding	Polygon	FEMA	Yes		May need to update throughout the SMP process as FEMA may update DFIRMS.
Grass Cover	Raster	NOAA CCAP	Yes	landcover 2011	
Loss of Upland/Riparian Habitat	Raster	LCEP	In Progress		Riparian habitat change being developed by LCEP.
Barriers	Polygon	WDFW, LCEP	Yes		Layers from different sources compared
Woody Debris	Polygon	CREST	Yes*		Data utilized from CREST 2006 "Wahkiakum County Shoreline Atlas".
Public Access	Polygon	Wahkiakum/WDFW/LCEP	Yes		Some additional areas identified in analysis.
Water Quality	Polygon	DOE	Yes		
Habitat	Polygon	LCEP, NOAA, WDFW	Yes	Landcover 2011	Land cover and PHS data.
Hydrologic	Polygon	Ecology/DNR	Yes		
Shoreline Reach	Polygon	CREST	Yes		
Riparian Vegetation	Raster	NOAA CCAP	Yes	LandCover CCAP 2011	
Geomorphic		DNR	Yes		
Precipitation	Polygon	Ecology	Yes		
Rain-on-snow Zones	Polygon	Ecology	Yes		
Depressional Wetlands	Polygon	CREST, USFWS NWI, WDNR	Yes		Data created by CREST by using layers from USFWS and WDNR.
100-Year Floodplain	Polygon	FEMA	Yes	FEMA Q3 FIRMS	
Wetlands	Polygon	USFWS NWI	Yes	2012 dataset	
Areas on geologic deposits with high permeability	Polygon	WDNR/CREST	Yes		Data created by CREST by using layers from DNR.
Areas on geologic deposits with low permeability	Polygon	WDNR/CREST	Yes		Data created by CREST by using layers from DNR.
Steep slopes with erodable soils	Polygon	SSURGO 2012	Yes		
Slope Stability	Raster	WDNR 2000	Yes		
Landslide steep slope hazard	Raster	CREST 2006	Yes		Wahkiakum County Shoreline Atlas.

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Past landslides	Polygon	DNR 2010	Yes		
Unconfined and moderately confined stream channels	Polygon	NHD, Army Corps 2010, 3m DEM	Yes		Confined stream channels identified through an analysis of Elevation Data.
Lakes	Polygon	DNR	Yes	Lakes of Washington 2014	
Streams	Polygon	NHD 2012	Yes		
Soil with high permeability	Polygon	SSURGO 2012	Yes		
Soil with low permeability	Polygon	SSURGO 2012	Yes		
Forest within 100' of streams	Raster	CREST, NHD 2012, NOAA CCAP 2012	Yes		