GRAYS HARBOR COUNTY SMP UPDATE

MAP 1. PROPOSED SHORELINE JURISDICTION - NORTH

Notes:
2. Boundaries of lake or waterbody are derived from Adopted Shoreline Lake (ECY) 2012 and NWIS data of 2012.
3. Shoreline jurisdictional areas are derived from MSP Combined Shoreline dataset of 2013, FEMA DFIRM Floodway and 100-year floodplain of 2013, SMP Stream and SMP Waterbody data as described above. Extent of shoreline jurisdiction applies to the western state boundary in the Pacific Ocean (the three-mile limit) and includes all small islands, rocks, and reefs that are not shown on this map.
4. All wetlands are derived from NWI data of 2010 and have not been field verified.
5. FEMA DFIRM Flood data of 2013 provided by Grays Harbor County.

Data Sources:
EET - Washington Department of Ecology
FEMA - Federal Emergency Management Agency
GHCC - Grays Harbor County
MSP - Marine Spatial Planning
NHD - USGS National Hydrologic Dataset
NOAA - National Oceanic and Atmospheric Administration
TWC - The Watershed Company
NWI - USFWS National Wetlands Inventory

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on this map.
GRAYS HARBOR COUNTY SMP UPDATE

MAP 1. PROPOSED SHORELINE JURISDICTION - SOUTH

Notes:
3. Shoreline jurisdictional areas are derived from MPA Combined Shoreline dataset of 2013, FEMA SDFRM Floodway and 100-year floodplain of 2013, SMP Stream and SMP Waterbody data as described above. Extent of shoreline jurisdiction is applied to the western state boundary in the Pacific Ocean (three-mile limit) and includes all small islands, rocks, and ledges that are not shown on this map.
4. All wetlands are derived from NWI data of 2010 and have not been field verified.
5. FEMA SDFRM flood data of 2013 provided by Grays Harbor County. Coastal High Hazard Areas are excluded from this map.

Data Sources:
- EIT - Washington Department of Ecology
- FEMA - Federal Emergency Management Agency
- GHC - Grays Harbor County
- MPA - Marine Spatial Planning
- NHD - USGS National Hydrologic Dataset
- NOAA - National Oceanic and Atmospheric Administration
- TWC - The Watershed Company
- NWI - USFWS National Wetlands Inventory

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional specific evaluation may be required to verify the wetland information shown on this map.
Notes:

1. Land use classification derived from 2013 County Parcel data and Assessor Land Use Codes and Descriptions.
2. The aquatic parcel layer contains ownership information, physical, and legal characteristics of the parcels only. Parcel current use and leases to be verified.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014
Notes:
- Reflects zoning districts as classified in 1998 Grays Harbor comprehensive zoning ordinance.

Data Sources:
- Refer to map title sheet for source abbreviations.

Issue Date: 10/1/2014
Ownership Types:
- City
- County
- Tribal
- State - WDFW
- State - WSDOT
- State - WSP
- State Agency
- Federal
- Aquatic Land Ownership Parcel
- Commercial Shellfish Growing Area
- Aquatic Shellfish Growing Area
- Aquatic Shellfish Growing Area

Notes:
1. Ownership types for parcels within preliminary shoreline jurisdiction are derived from county parcel data and assessor database managed by the county. Additional site-specific evaluations may be needed to confirm or verify the ownership types.
2. WA State Parks ownership includes public parks and other agency managed land resources in 2014.
3. Data obtained from WA Department of Health.

Data Sources:
- WA DNR hillshade, federal boundary, parcel, and county road data provided by Grays Harbor County.
- Geographic Names Information System (GNIS) by USGS.

All features depicted on this map are approximate. They have not been formally delineated or surveyed. They are intended for planning purposes only. Additional site-specific evaluations may be needed to confirm or verify information shown on this map.
Ownership Types

- City
- County
- Federal
- Port of Grays Harbor
- Private
- Tribal
- State - DNR
- State - Others
- State - WDFW
- Tribe
- Unknown
- Washington Dept of Natural Resources
- Waterbody
- Wetland

Aquatic Land Ownership Parcel

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

Commercial Shellfish Growing Area

- Approved
- Conditional
- Prohibited
- Restricted

Notes:

- Ownership types: City parcels within preliminary shoreline jurisdiction are derived from county parcel data and an updated database of City limit GHC.
- WA State Parks ownership includes public parks and other agency managed land resources in 2014.
- Data obtained from WA Department of Health.

Data Source:

- Additional source credits can be found in the cover sheet.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on this map.

Additional sources include:

- Grays Harbor County
- Geographic Names Information System (GNIS) by USGS
- WA DNR hillshade
- Federal boundary
- Parcel and county road data provided by Grays Harbor County

This map is for informational purposes only. It may not be used for navigational purposes.
WASHINGTON SHORELINE PUBLIC ACCESS PROJECT

Government-Owned Land With Known Public Access

Government Park

Public Access Available By Public With Permission

Washington Public Beach Access Points

Recreation Places Project

Trails Point Project

District Project

Boat Launch

Campground

Marina

Park

Washington State Park

Other State or Federal Recreational Resources

BPN Transmission Line

Local Transmission Line

SMR Stream

SMR Waterbody

Preliminary Shoreline Jurisdiction

Potentially Associated Wetland

Tribal Boundary

City Limit

County Boundary

Notes:

WA State-Parks Boundary of 2014

Sea map is for specific use only. Boundaries of state and federal forest, national park, and wilderness area are represented from data provided by the Grays Harbor County. They have not been verified by respective agencies.

* depicts the external boundaries of parks and areas that are deemed for acquisition by the U.S. Fish and Wildlife Service (USFWS).

Data Sources: Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

Issue Date: 11/12/2014

Original scale = 1:120,000 @ 22" x 34" layout.

Please adjust scale accordingly.

Additional information on this map are approximate. They have not been formally determined or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on this map.
Notes:
1 National Land Cover Database of 2006 by US Department of Interior and USGS. Percent impervious as defined by source agencies and may not be present at current mapping extent.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Additional disclaimer: The map is approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.

Percent Impervious:

0%  10%  20%  30%  40%  50%  60%  70%  80%  90%  100%

Original scale = 1:120,000 @ 22" x 34" layout. Please adjust scale accordingly.
Notes:
1 National Land Cover Database of 2006 by US Department of Interior and USGS. Land use classifications are pre-defined according to the standard 21-class land cover classification scheme that has been applied consistently across the lower 48 United States at a spatial resolution of 30 meters by source agencies. Class(es) may not be present at current mapping extent.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014
Notes:
- National Land Cover Database of 2006 by US Department of Interior and USGS. Land use classifications are pre-defined according to the standard 21-class land cover classification scheme that has been applied consistently across the lower 48 United States at a spatial resolution of 30 meters by source agencies. Class(es) may not be present at current mapping extent.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Affiliates Disclaim the Map are Applicable. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site specific evaluation may be necessary to confirm/verify information shown on this map.
GRAYS HARBOR COUNTY SMP UPDATE

MAP 10. FLOODWAY AND 100-YEAR FLOODPLAIN - NORTH

Notes:
- Derived from FEMA preliminary Flood Insurance Rate Map (DFIRM) of 2013. Floodway is depicted separately from the Preliminary Shoreline Jurisdiction for display purposes only. Moderate and minimal flood risk areas are not mapped. Data is provided by Grays Harbor County.

Data Sources:
- Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Legend:
- DFIRM Floodway
- DFIRM 100-year floodplain
- SMP Streams
- SMP Waterbody
- Preliminary Shoreline Jurisdiction
- Potentially Associated Wetland
- Federal Boundary
- Tribe Boundary
- City Limit
- County Boundary
- Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

All features depicted on this map are approximate. This map and data are not formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.

Map (DFIRM) of 2013. Floodway is depicted separately from the Preliminary Shoreline Jurisdiction for display purposes only. Moderate and minimal flood risk areas are not mapped. Data is provided by Grays Harbor County.

Data Sources:
- Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Legend:
- DFIRM Floodway
- DFIRM 100-year floodplain
- SMP Streams
- SMP Waterbody
- Preliminary Shoreline Jurisdiction
- Potentially Associated Wetland
- Federal Boundary
- Tribe Boundary
- City Limit
- County Boundary
- Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

All features depicted on this map are approximate. This map and data are not formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.
GRAYS HARBOR COUNTY SMP UPDATE

MAP 11. WETLANDS - NORTH

Notes:
1 USFWS National Wetlands Inventory of 2010.
2 All wetlands are derived from NWI data of 2010 and have not been field verified.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be necessary to confirm/verify information shown on this map.
Notes:

1 USFWS National Wetlands Inventory of 2010.
2 All wetlands are derived from NWI data of 2010 and have not been field verified.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be necessary to confirm/verify information shown on this map.
**GRAYS HARBOR COUNTY SMP UPDATE**

**MAP 12. SURFICIAL GEOLOGY - NORTH**

Quaternary alluvium, dune sand, loess, and artificial fill
Quaternary alluvial fans, beach deposits, undifferentiated sedimentary deposits, lacustrine deposits, sand/til, peat, terraced deposits, and talus
Quaternary alpine glacial deposits, Fraser-age or younger
Pleistocene continental glacial, glacilacustrine, and outwash deposits, Fraser-age
Pleistocene alpine glacial deposits, pre-Fraser
Pleistocene continental glacial deposits, pre-Fraser
Sedimentary Rocks and Deposits
Miocene-Eocene marine sedimentary rocks and breccias
Miocene-Eocene marine sedimentary rocks
Miocene-Eocene volcanic rocks
Miocene-Eocene volcanic rocks
Oligocene-Paleocene marine sedimentary rocks
Oligocene-Paleocene marine sedimentary rocks
Eocene-Paleocene marine sedimentary rocks
Eocene-Paleocene marine sedimentary rocks
Eocene-Paleocene intrusive igneous rocks
Eocene-Paleocene intrusive igneous rocks
Dendritic Glacial Lake Deposits
Dendritic Glacial Lake Deposits
Volcanic Rocks and Deposits
Volcanic Rocks and Deposits
Lacustrine Breccias
Lacustrine Breccias
Notes:
Original scale = 1:120,000 @ 22" x 34" layout.
Please adjust scale accordingly.

Other Features
Wild
Potentially Associated Wetland
SMF Streams
SMF Waterbody
Preliminary Shoreline Jurisdiction
City Limit
County Boundary

Data Sources:
Geological unit portrays 1:100,000-scale geology coverage of Washington in 2000. Data was digitized and published by WA DNR
Washington State Department of Natural Resources and United States Geological Survey.

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

Issued Date: 10/1/2014

All features depicted on this map are approximate. They may not be formally dedicated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be necessary to confirm/verify the information shown on this map.
Grays Harbor County SMP Update
Map 12. Surficial Geology - South

Notes:
- Data Sources: Refer to mapfolio coversheet for source abbreviations.
- Original scale = 1:120,000; printed 22" x 34" layout. Please refer scale accordingly.
- All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on this map.

Geological unit portrays 1:100,000-scale geology coverage of Washington in 2000. Data was digitized and published by WA DNR Division of Geology and Earth Resources in 2010.

Data Sources:
- WA DNR hillshade
- Federal/Tribal boundary
- Washington State Forest boundary
- County boundary
- Preliminary Shoreline Jurisdiction
- SMP Stream
- SMP Waterbody
- County Boundary
- County/Forest Boundary
- Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

Notes on Surficial Geology:
- Quaternary alluvium, dune sand, loess, and artificial fill
- Quaternary alluvial fans, beach deposits, undifferentiated sedimentary deposits, lacustrine deposits, sandblits, peat, terraced deposits, and talus
- Quaternary older alluvial fans and older alluvium
- Quaternary alpine glacial deposits, Fraser-age or younger
- Pleistocene continental glacial, lacustrine, and outwash/glacial drift deposits, Fraser-age
- Pleistocene alpine glacial deposits, pre-Fraser
- Pleistocene continental glacial deposits, pre-Fraser
- Quaternary continental sedimentary deposits
- Oligocene-Paleocene intrusive igneous rocks
- Oligocene-Paleocene marine sedimentary rocks
- Oligocene-Paleocene marine sedimentary rocks
- Oligocene-Paleocene marine sedimentary rocks
- Oligocene-Paleocene intrusive igneous rocks
- Oligocene-Paleocene intrusive igneous rocks
MAP 13. SOIL TAXONOMY - SOUTH

Jefferson County
Kitsap County
Mason County
Hum
Moclips
Sunset Beach
Wishkah River
Humptulips
2
Highland
Wishkah River
Joe County
County
County
1

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.
Notes:
1 1:100,000-scale surface, hazards and environmental geology data is published by WA DNR Division of Geology and Earth Resources. Refer to agency website for details.
2 Cascadia scenario 1A are areas inundated by a moderately high runup from the modeled Cascadia subduction zone tsunami.
3 Cascadia scenario 1A with asperity are areas inundated by a high runup from the modeled Cascadia subduction zone tsunami.
4 This coverage is a predictive data layer of shallow-rapid slope stability using one or more calibrated GIS-based models. The purpose of this dataset is to be a screen for determining shallow-rapid landslide potential: modeled shallow-rapid slope stability: tests (Shaw and Vaugeois, 1999) show that 93% of shallow rapid type landslides occur in areas modeled with a high probability of instability. No model accurately predicts where deep seated landslides are going to occur. (DNR 2000)

Data Sources:
Refer to map title credo sheet for source abbreviations.

Issue Date: 10/1/2014

Original scale = 1:120,000; 11.5" x 19" layout. Please adjust scale accordingly.

Additional Information: The map is approximate. The data has been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.
Notes:
1. Listed priority habitats, occurrence or species areas only. Data is issued by WA Department of Fish and Wildlife in December 2013.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional or updated information may be necessary to confirm/verify information shown on this map.

Seabird Colonies (α)
- Alcids and Common scoters (possibly others)
- Common scoters (possibly others)

Priority Habitats and Species Areas (α)
- Bald Eagle
- California Sea Lion
- Calf Reef
- Harbor Seal
- Harlequin Duck
- Peregrine Falcon
- Rough-legged Hawk
- Seabird Concentrations
- Shrubbed Concentrations
- Snag-rich Areas
- Steller Sea Lion
- Trumpeter Swan
- Waterfowl Concentrations

SMP Streams (α)
- SMP Waterbody (α)
- Preliminary Shoreline Jurisdiction (α)
- Potentially Associated Wetland (α)
- Tribal Boundary (α)
- City Limit (α)
- County Boundary (α)

Seabird Colonies 1
- Ailis and Common scoters (possibly others)
- Common scoters (possibly others)

Notes:
1. Listed priority habitats, occurrence or species areas only. Data is issued by WA Department of Fish and Wildlife in December 2013.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014
Notes:
- Listed priority habitats, occurrence or species areas only.
- Data is issued by WA Department of Fish and Wildlife in December 2013.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Scale: 1:60,000 (1/2" = 1 Mile)
Notes:
- All listed priority habitat occurrence locations and areas are provided by WA Department of Fish and Wildlife in December 2013. List of species include:
  - Amphibian: Dunn’s Salamander, Western toad, Van dyke’s salamander.
  - Bird: Bald eagle, Common loon, Eastern wild turkey, Golden eagle, Peregrine falcon, Purple martin, Snowy plover, Streaked horned lark.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014
GRAYS HARBOR COUNTY SMP UPDATE
MAP 16. OCCURRENCE OF WDFW PRIORITY SPECIES - SOUTH

Notes:
- All listed priority habitat occurrence locations and areas are provided by WA Department of Fish and Wildlife in December 2013. List of species include:
  - Amphibian: Dunn's Salamander, Western toad, Van dyke's salamander.
  - Bird: Kirtland's eagle, Common loon, Eastern wild turkeys, Golden eagle, Mottled murrelet, Merlin, Mountain quail, Northern goshawk, Peregrine falcon, Purple martin, Snowy plover, Streaked horned lark.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Affiliation Discrepancy: The map is approximate. These layers were formally delineated or surveyed and are intended for planning purposes only. Additional layers may exist that are not included or that verify information shown on this map.

Designated Priority Species [New]
- Amphibian
- Bird
- Pacific Lamprey
- Mammal
- Olympic mudpuppy
- Seal and Sea lion
- Spotted Seal Presence
- Murrelet Presence
- Murrelet 3/4 mile buffer
- Bald Eagle 1/8 nest buffer
- SMP Streams
- SMP Waterbody
- Preliminary Shoreline Jurisdiction
- Potentially Associated Wetland
- Tribal Boundary
- City Limit
- County Boundary

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional layers may exist that are not included or that verify information shown on this map.
Surf smelt spawning habitat
Pacific sand lance spawning habitat
Surf smelt spawning habitat
Pacific Herring Spawning Area
Shellfish Resources
Commercial Clamming
Manila Clam
Pacific Oyster
Razor Clam
Salmon Stock Inventory
Bull Trout
Saltwater
Chum
Steelhead
Coho
Cutthroat
 throwable
Preliminary Shoreline Jurisdiction
Federal Boundary
Tribal Boundary
County Boundary
Notes:
Data provided by WA Department of Fish and Wildlife in December 2013.
Data Sources:
Refer to mapfolio coversheet for source abbreviations.
Print Date: 10/1/2014
Original scale = 1:120,000 @ 22" x 34" layout.
Please adjust scale accordingly.
Additional information on the map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional data and research may be needed to confirm/verify information shown on this map.
Notes:
Data derived from Ecology Dam Safety Section Database of 2011 and Grays Harbor County Dams of 2013.
* The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.
** The ShoreZone Inventory dataset is an inventory of Washington State’s saltwater shorelines conducted between 1994 and 2000 using the ShoreZone Mapping System (DNR 2001). Data is mapped by estimated percent of shoreline modification.

Data Sources:
Visit map legend spreadsheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on this map.
Notes:

Data derived from Ecology Dam Safety Section Database of 2011 and Grays Harbor County Dams of 2013.

1 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

2 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

3 The ShoreZone Inventory dataset is an inventory of Washington State’s saltwater shoreline conducted between 1994 and 2000 using the ShoreZone Mapping System (DNW 2001). Data is mapped by estimated percent of shoreline modification.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be required to confirm/verify information shown on this map.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Notes:

Data derived from Ecology Dam Safety Section Database of 2011 and Grays Harbor County Dams of 2013.

1 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

2 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

3 The ShoreZone Inventory dataset is an inventory of Washington State’s saltwater shoreline conducted between 1994 and 2000 using the ShoreZone Mapping System (DNW 2001). Data is mapped by estimated percent of shoreline modification.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be required to confirm/verify information shown on this map.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Notes:

Data derived from Ecology Dam Safety Section Database of 2011 and Grays Harbor County Dams of 2013.

1 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

2 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

3 The ShoreZone Inventory dataset is an inventory of Washington State’s saltwater shoreline conducted between 1994 and 2000 using the ShoreZone Mapping System (DNW 2001). Data is mapped by estimated percent of shoreline modification.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be required to confirm/verify information shown on this map.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Notes:

Data derived from Ecology Dam Safety Section Database of 2011 and Grays Harbor County Dams of 2013.

1 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

2 The 2007 dataset depicts overwater structures in marine waters, lakes, and rivers of Washington State as observed from 1-meter resolution color orthophotos taken between 2002 and 2006.

3 The ShoreZone Inventory dataset is an inventory of Washington State’s saltwater shoreline conducted between 1994 and 2000 using the ShoreZone Mapping System (DNW 2001). Data is mapped by estimated percent of shoreline modification.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be required to confirm/verify information shown on this map.
MAP 19. WASHINGTON WATER QUALITY ASSESSMENT (WQA) OF 2012 - NORTH

Notes:
1. Data derived from Washington State's 2012 Water Quality Assessment (WQA). Refer to agency website for details on water categories and listings.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.

Notes:
1. Data derived from Washington State’s 2012 Water Quality Assessment (WQA). Refer to agency website for details on water categories and listings.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.
Notes:
1. Data derived from WA Department of Ecology's Facility/Site Database and reflect locations regulated by different programs of the agency.

Issue Date: 10/1/2014
Submit Date: 4/2/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to verify information shown on this map.

1. Original scale = 1/120,000 (32" x 34"") layout. Please adjust scale accordingly.

Other sources: base GIS data derived 2008-2009 National Oceanic and Atmospheric Administration; county road data provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.
Notes:
1. Data derived from WA Department of Ecology’s Facility/Site Database and reflect locations regulated by different programs of the agency.

Issue Date: 10/1/2014
Submittal Date: 4/25/2014

Original scale = 1:120,000 @ 22” x 34” layout. Please adjust scale accordingly.

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be required to confirm/verify information shown on this map.

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.
Notes:
1 Data reflect properties listed on the National Register of Historic Places published by WA Department of Archaeology and Historic Preservation (DAHP).

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be necessary to verify information shown on this map.
Notes:
Principal aquifers data published by the U.S. Geological Survey Water Resources Program.
Data provided by Grays Harbor County GIS department.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Affiliates reproduce this map at their own risk. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.
Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.
MAP 23. SHORELINE ASSESSMENT UNITS AND REACHES - SOUTH

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014
Submitted Date: 4/15/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on the map.

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.
Notes:
- Data was downloaded from Washington Marine Spatial Planning data catalog.
- Provided by Grays Harbor County, 2014.
- Data Sources: Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.
Notes:
- Data was downloaded from Washington Marine Spatial Planning data catalog.
- Provided by Grays Harbor County, 2014.

Data Sources: Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Affiliates disclaimer: The map is approximate. Data has not been formally delineated or surveyed and are intended for planning purposes only. Additional site specific evaluation may be necessary to confirm/verify information shown on this map.
Wind power resource estimates for the Pacific Northwest of USA (W/m²)

- Wind power class 1 (0 - 200)
- Wind power class 2 (200 - 300)
- Wind power class 3 (300 - 400)
- Wind power class 4 (400 - 500)
- Wind power class 5 (500 - 600)
- Wind power class 6 (600 - 800)

- SMP Streams
- SMP Waterbody
- Preliminary Shoreline Jurisdiction
- Potentially Associated Wetland
- Federal Boundary
- Tribal Boundary
- City Limit
- County Boundary

Notes:
- Data obtained from National Renewable Energy Laboratory (NREL). Annual average wind resource potential of the northwestern United States at a 50 meter height.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

Original scale = 1:120,000 @ 22" x 34" layout. Please adjust scale accordingly.

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be necessary to confirm or verify information shown on this map.

Miles
Notes:
- Data obtained from National Renewable Energy Laboratory (NREL). Annual average wind resource potential of the northwestern United States at a 50 meter height.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014
MAP 26. TIDAL STREAM POWER RESOURCE - NORTH

Notes:
1. Data obtained from National Renewable Energy Laboratory (NREL) and reflects 1-month mean of the depth-averaged kinetic power density.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be required to confirm/verify information shown on this map.
GRAYS HARBOR COUNTY SMP UPDATE
MAP 26. TIDAL STREAM POWER RESOURCE - SOUTH

Other sources (not listed above): WA DNR hillshade, federal/tribal boundary, parcel, and county road data are provided by Grays Harbor County; Geographic Names Information System (GNIS) by USGS.

Original scale = 1:120,000 @ 22" x 34" layout. Please adjust scale accordingly.

Notes:
1 Data obtained from National Renewable Energy Laboratory (NREL) and reflects 1-month mean of the depth averaged kinetic power density.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Tidal Stream Mean Kinetic Power Density (kW/m²) 1

- 0 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- 500 - 600

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information shown on this map.
Notes:
1. Data obtained from National Renewable Energy Laboratory (NREL). Annual wave power density is an average of a 12-month data period calculated in kilowatts per meter of wave crest width at any given water depth. This dataset represents conditions recorded between February 2005 and July 2009.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

Affirmative steps taken on the map are depicted. This map has been formally delineated or surveyed and are intended for planning purposes only. Additional steps as required may be necessary to confirm the validity information shown on the map.
GRAYS HARBOR COUNTY SMP UPDATE

MAP 27. ANNUAL WAVE POWER DENSITY - SOUTH

Notes:
1 Data obtained from National Renewable Energy Laboratory (NREL). Annual wave power density is an average of a 12-month data period calculated in kilowatts per meter of wave crest width at any given water depth. This dataset represents conditions recorded between February 2005 and July 2009.

Data Sources:
Refer to mapfolio coversheet for source abbreviations.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be necessary to confirm/verify information shown on this map.
Map 28. EXISTING ENVIRONMENT DESIGNATION - SOUTH

Existing Environment Designation
- Conservancy Managed
- Conservancy Natural
- Natural
- Rural/Agricultural
- Rural/Urban
- Urban Development
- Urban Mixed
- Urban Residential
- Tribal Boundary
- City Limit
- County Boundary

Notes:
1 Data provided by Grays Harbor County GIS Department.
2 Data provided by Grays Harbor Council of Governments.

Issue Date: 10/1/2014

All features depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional on-site evaluation may be necessary to verify information shown on this map.

GRAYS HARBOR COUNTY SMP UPDATE

Map 28. EXISTING ENVIRONMENT DESIGNATION - SOUTH

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Notes:
1 Data provided by Grays Harbor County GIS Department.
2 Data provided by Grays Harbor Council of Governments.

Issue Date: 10/1/2014

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GRAYS HARBOR COUNTY SMP UPDATE

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GRAYS HARBOR COUNTY SMP UPDATE

Map 28. EXISTING ENVIRONMENT DESIGNATION - SOUTH

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