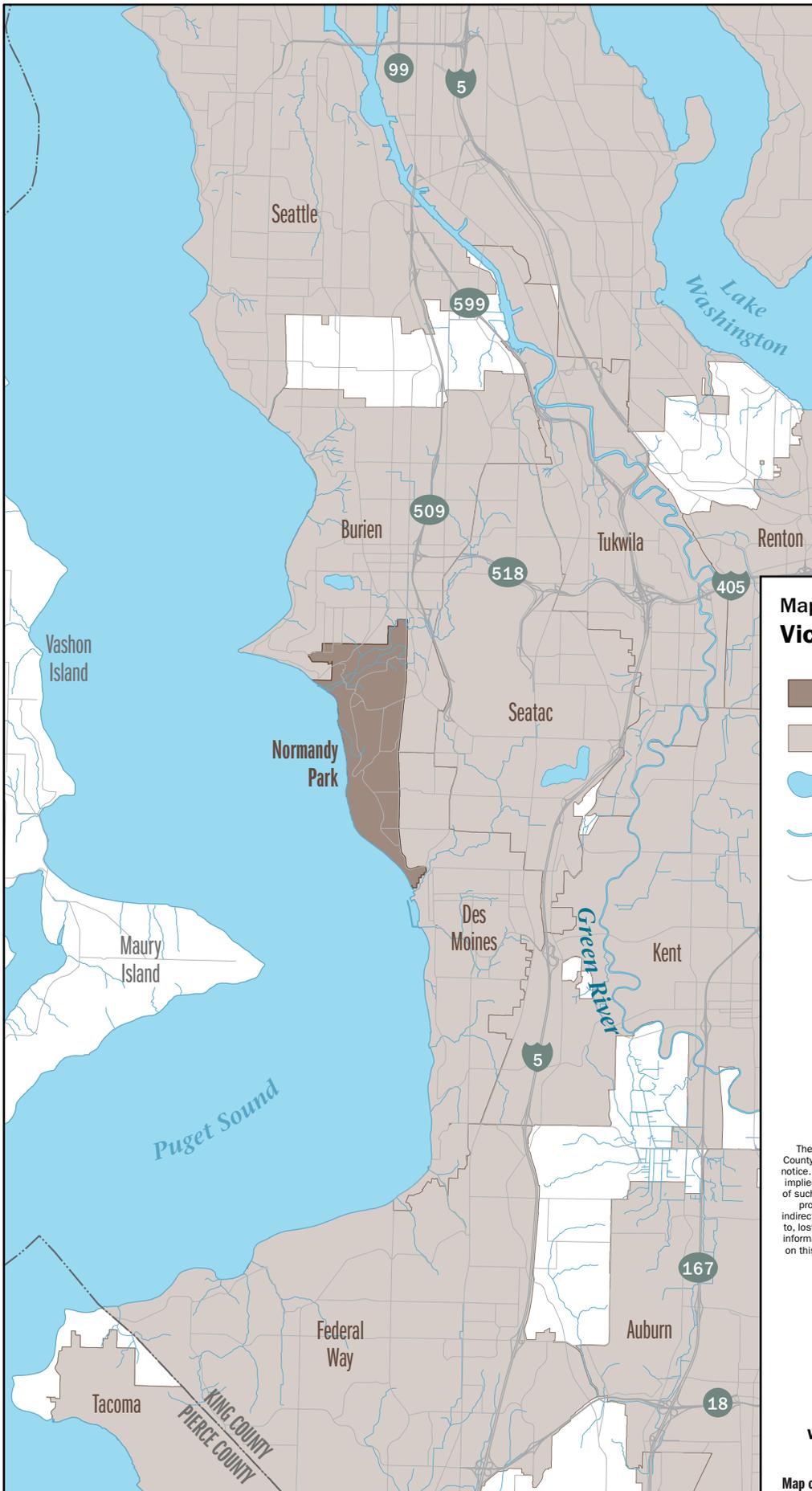


# Normandy Park Shoreline Characterization Report



**Map 1  
Vicinity Map**

-  **City of Normandy Park**
-  **Other Cities**
-  **Lake/Puget Sound**
-  **River/Stream**
-  **Major Road**



0 1 2 Miles

September 2010

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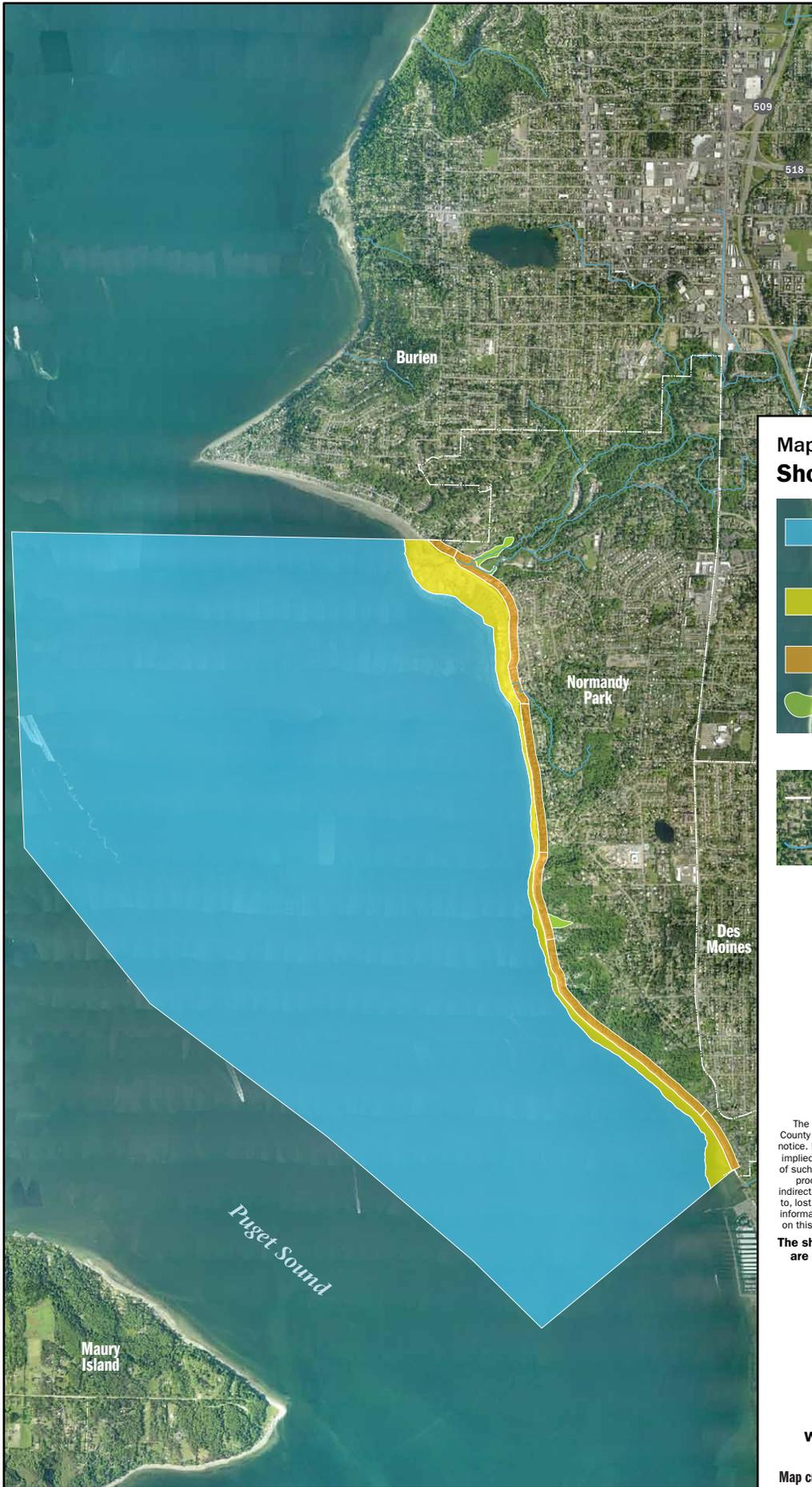
**King County**

Department of  
Natural Resources and Parks  
**Water and Land Resources Division**

Map created by DNRP GIS/Visual Communications/Web Unit

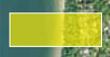
Data King County Datasets  
File 1009npsr1\_locator.ai wgab

# Normandy Park Shoreline Characterization Report



Map 2

## Shoreline Jurisdiction

-  Shoreline of Statewide Significance
-  Aquatic Shoreline Areas
-  Shoreland
-  Associated Wetland



City Boundary

Stream



0 1/2 1 Mile

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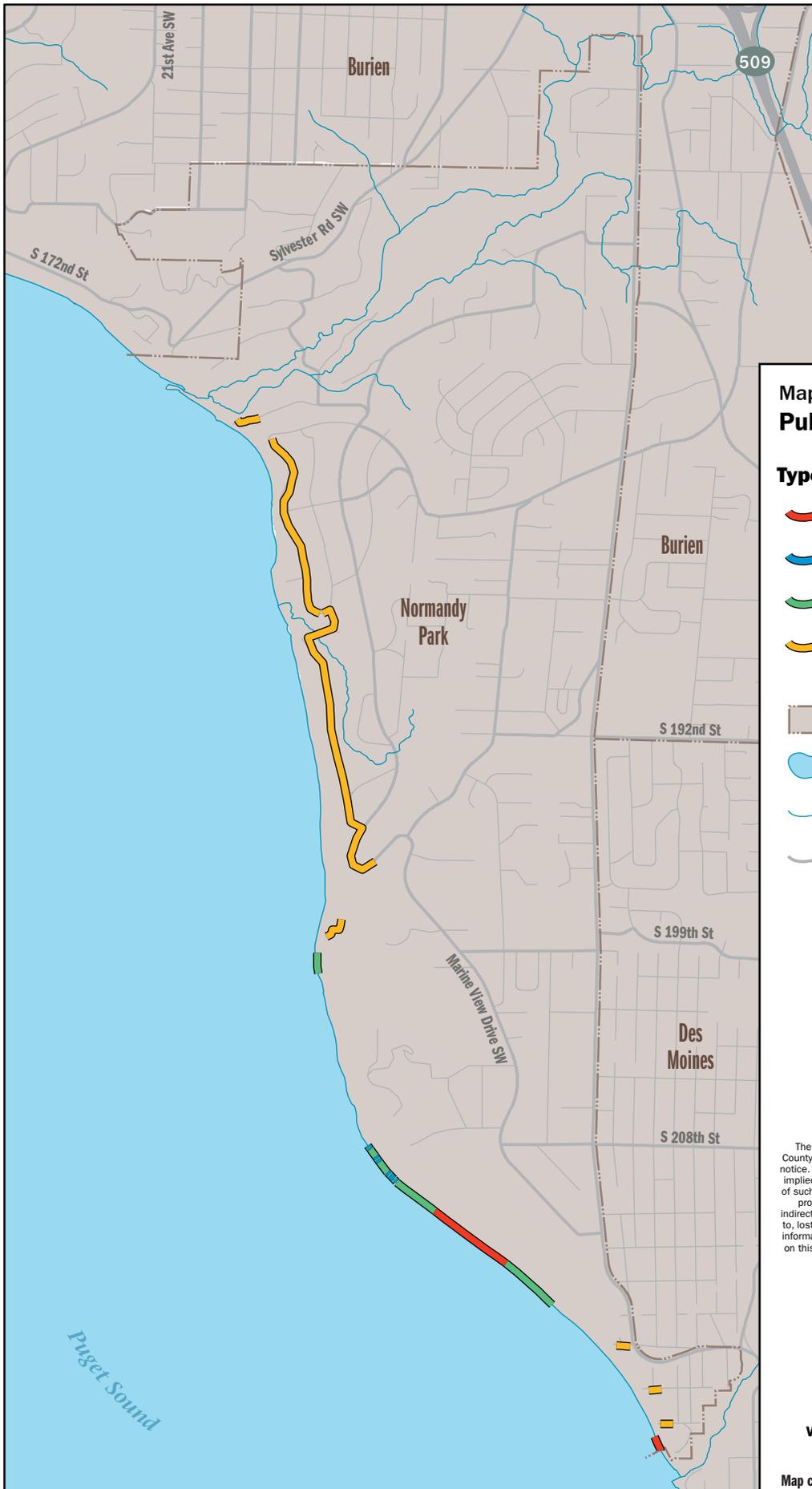
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**Water and Land Resources Division**

Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npsr2\_shoreline.ai wgab

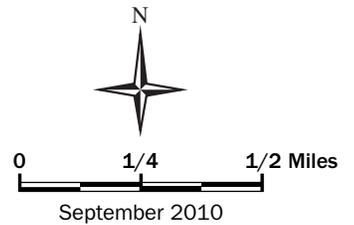
# Normandy Park Shoreline Characterization Report



**Map 3  
Public Access**

**Type of Public Access**

-  **Physical – Upland**
-  **Physical – Water Only**
-  **Potential**
-  **Visual**
-  **Incorporated Area**
-  **Puget Sound/Lake**
-  **Stream**
-  **Major Road**



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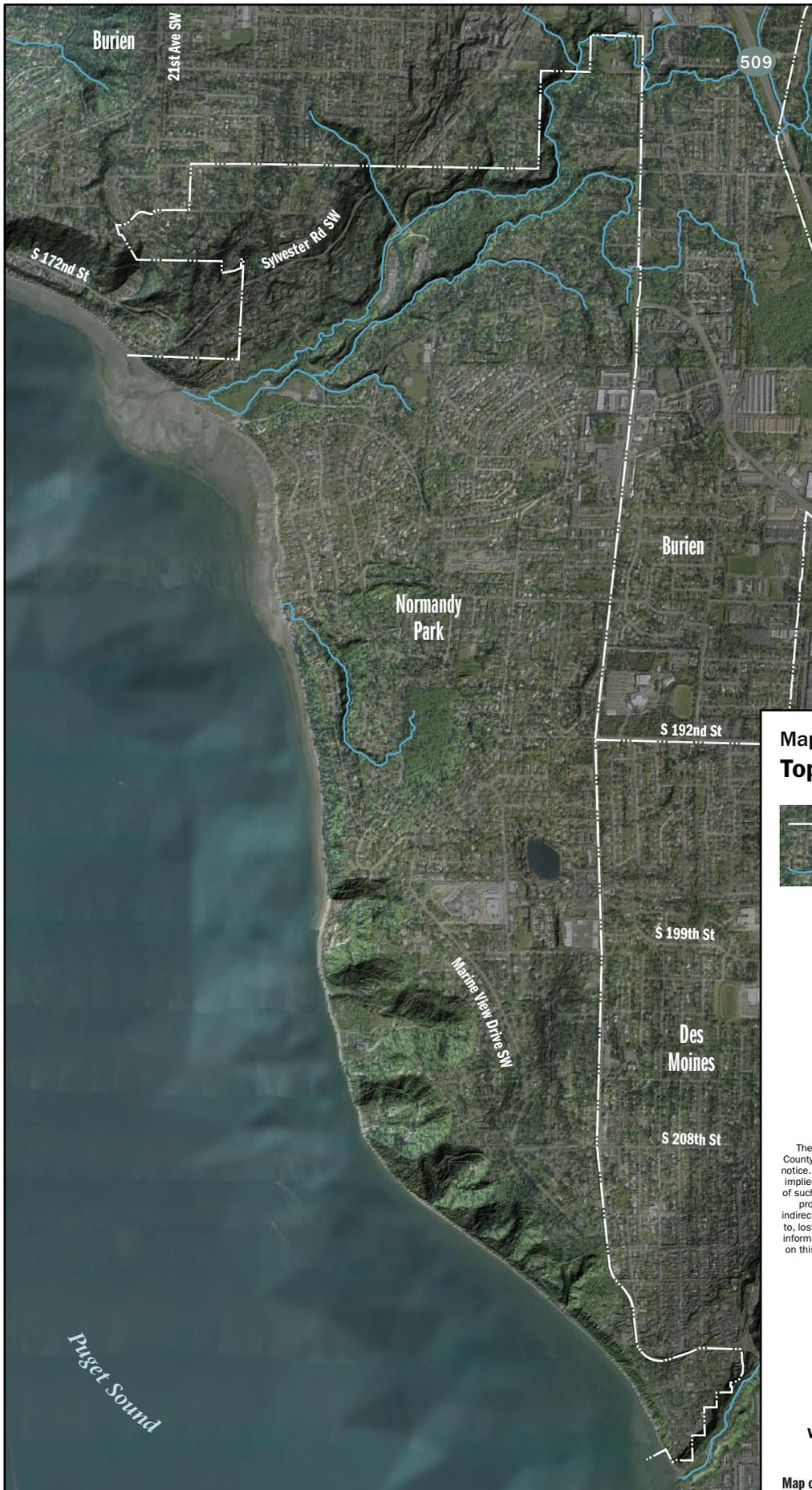
Department of  
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**Water and Land Resources Division**

Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

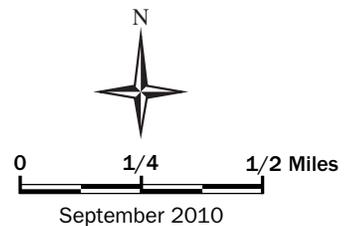
File 1009npshr3\_pubaccess.ai wgab

# Normandy Park Shoreline Characterization Report



**Map 4  
Topography**

-  **City Boundary**
-  **Stream**



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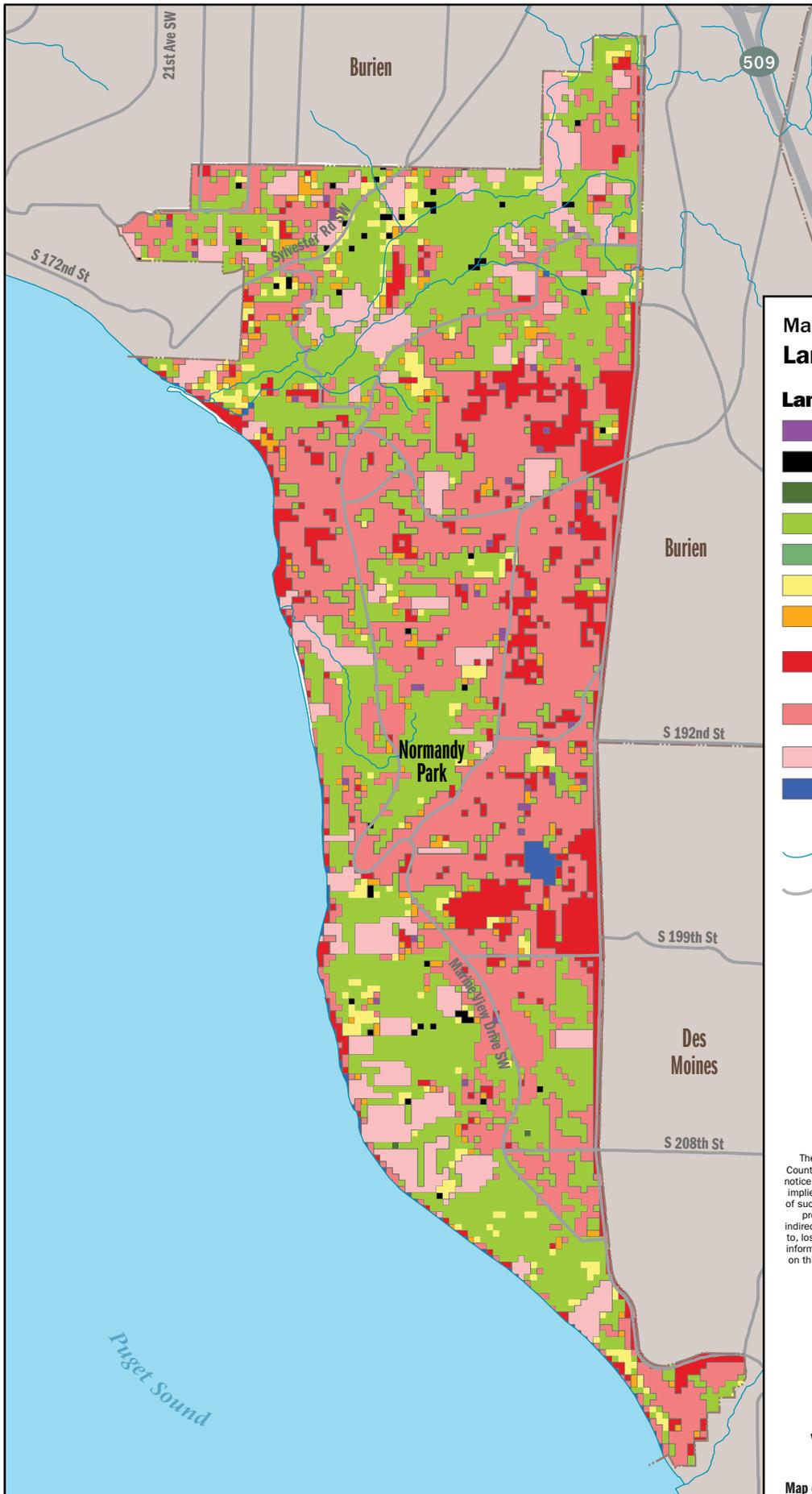
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**Water and Land Resources Division**

Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npshr4\_topography.ai wgab

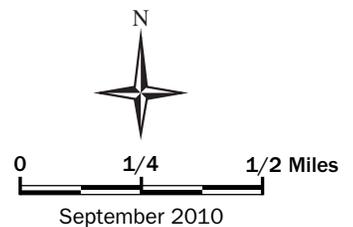
# Normandy Park Shoreline Characterization Report



Map 5  
Land Cover

### Land Cover Categories

-  Bare Rock/Snow/Ice
-  Cultivated
-  Coniferous
-  Deciduous/Mixed
-  Immature Conifer
-  Herbaceous
-  Scrub-Shrub
-  High Intensity Development
-  Medium Intensity Development
-  Low Density Development
-  Water
-  Stream
-  Major Road



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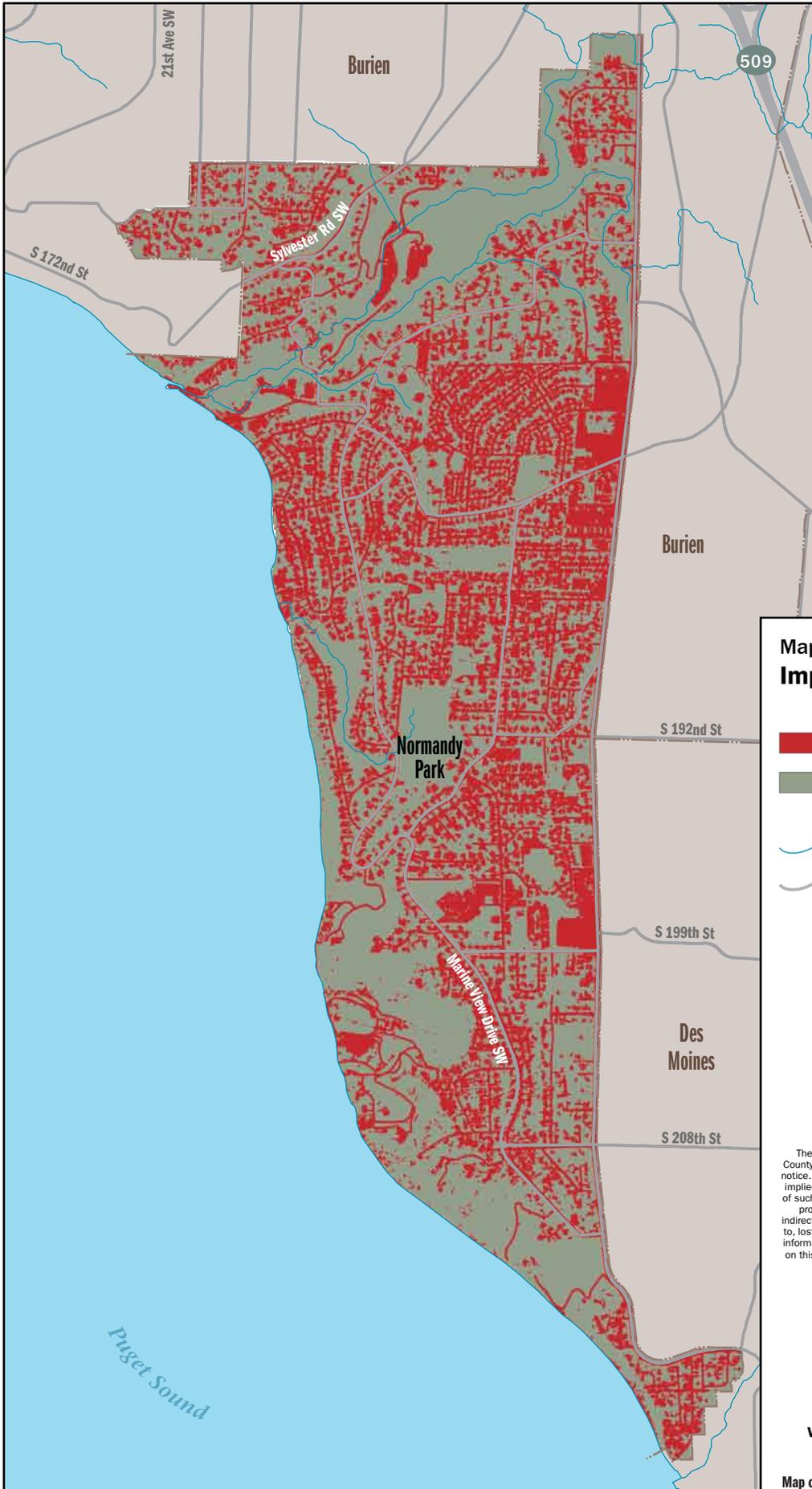
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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npsr5\_landcover.ai wgab

# Normandy Park Shoreline Characterization Report



**Map 6**  
**Impervious Surface**

-  **Impervious Surface**
-  **Pervious Surface**
-  **Stream**
-  **Major Road**



0      1/4      1/2 Miles

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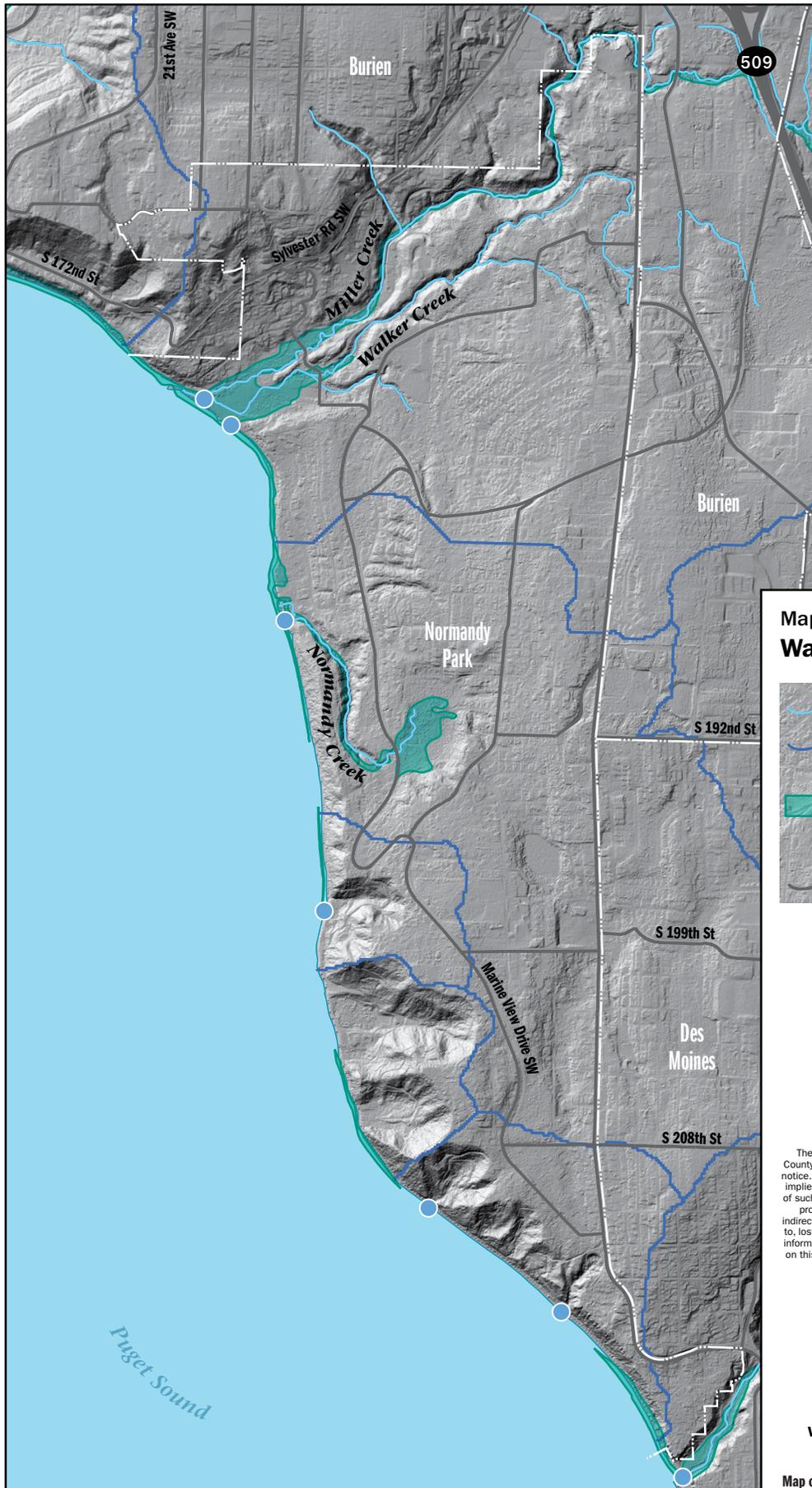
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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npsr6\_impersurface.ai wgab

# Normandy Park Shoreline Characterization Report



Map 7  
**Water Features**

-  **Stream**
-  **Catchment Boundary**
-  **Floodplain**
-  **Stream Mouth**
-  **Major Road**



0 1/4 1/2 Miles

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File 1009npsr7\_wtrfeat.ai wgab

# Normandy Park Shoreline Characterization Report

Map 8

## Drift Cells

### Current Drift Cell Results

-  Left to Right
-  Right to Left
-  No Available Drift (NAD)

### Historical Drift Cells

-  Left to Right
-  Right to Left

-  Incorporated Area
-  Puget Sound/Lake
-  Stream
-  Major Road



0 1/2 1 Mile

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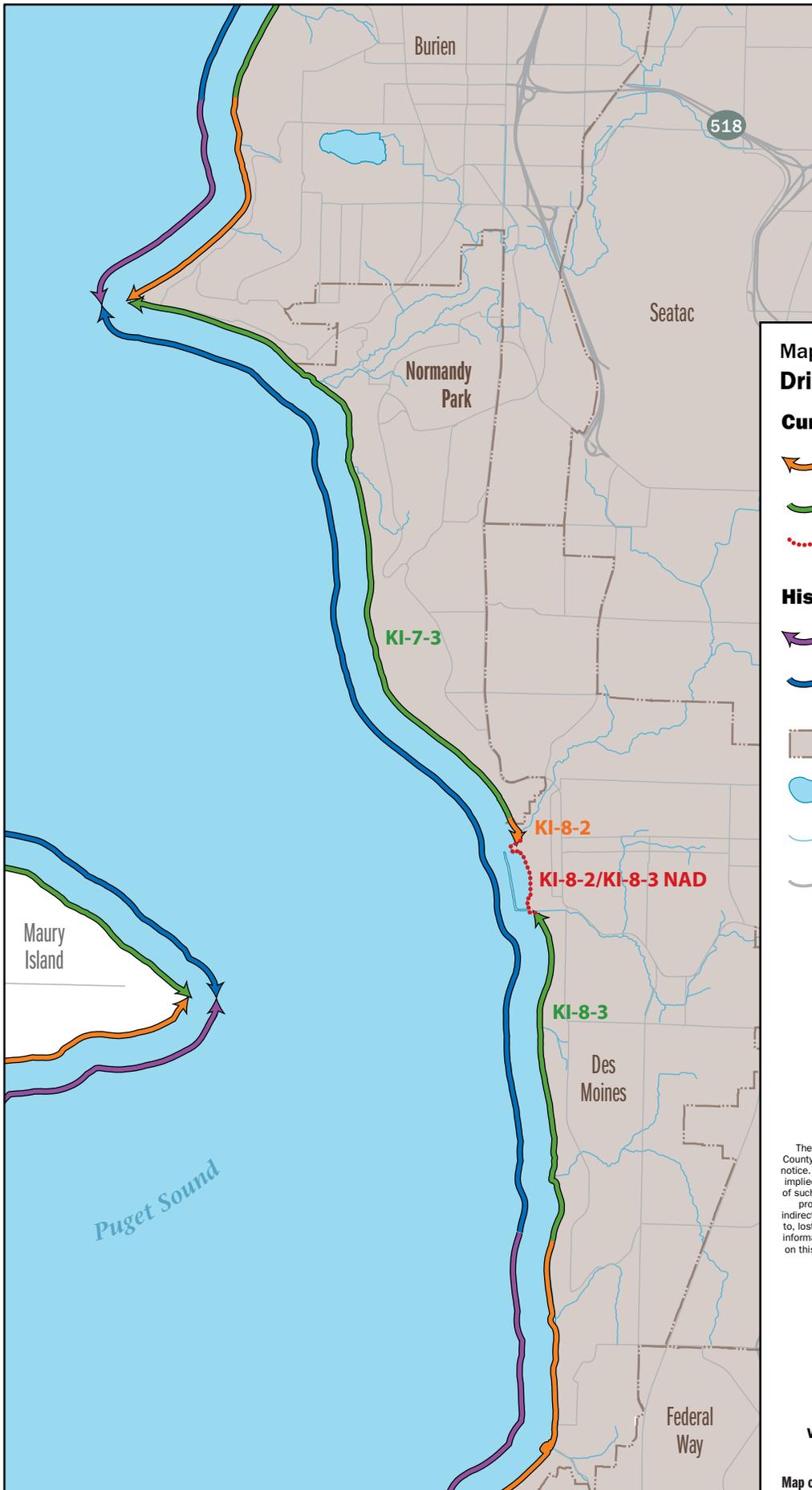
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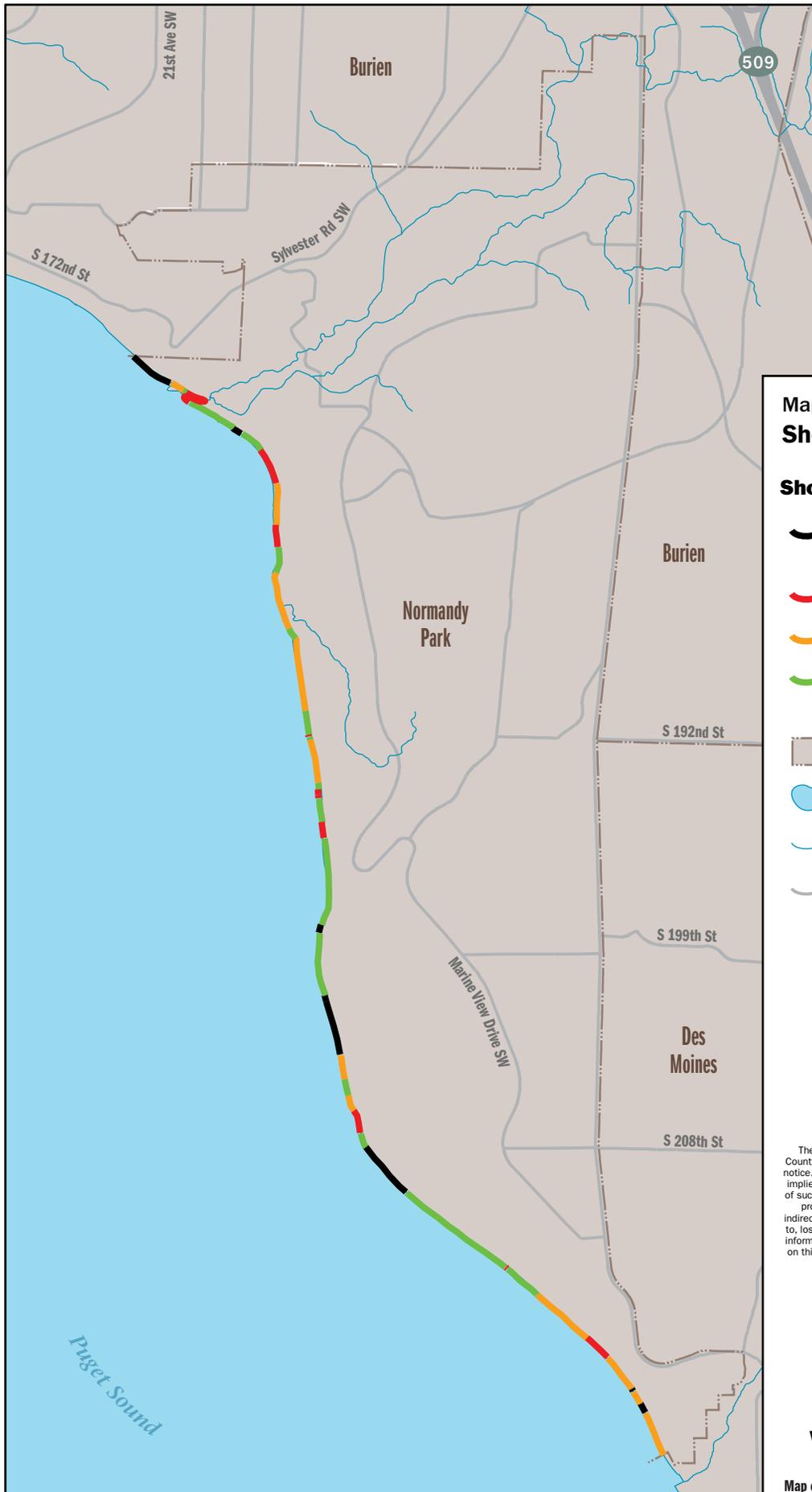
Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npshr8\_driftcell.ai wgab



# Normandy Park Shoreline Characterization Report

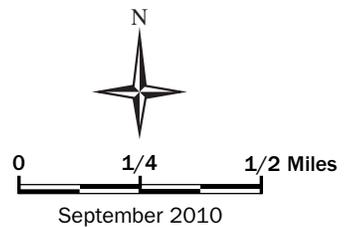


Map 9  
Shoreline Armoring

### Shoreline Armoring

-  Armor Above Ordinary High Water (OHW)
-  Armor at OHW
-  Armor Below OHW
-  No Armor

-  Incorporated Area
-  Puget Sound/Lake
-  Stream
-  Major Road



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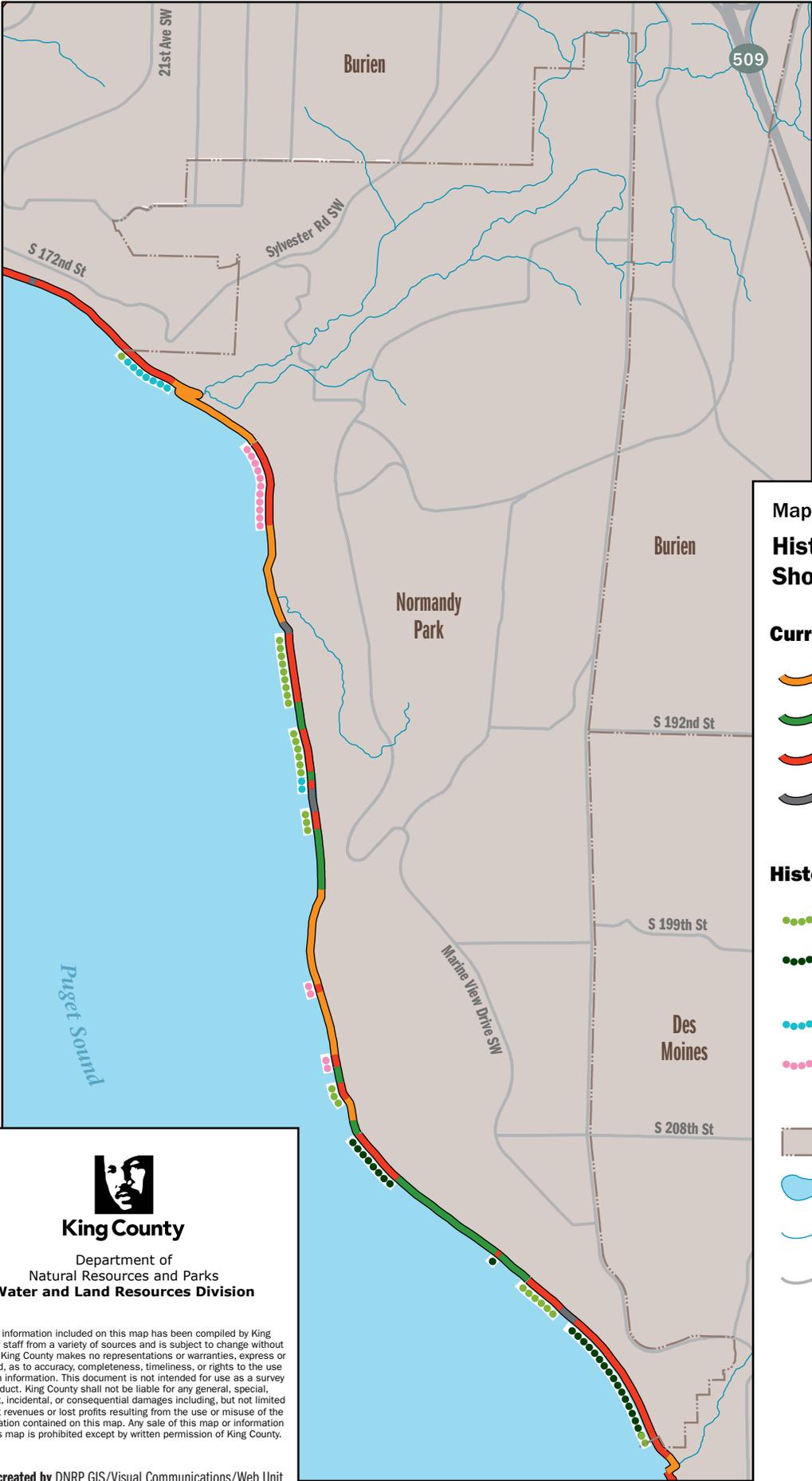
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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npsr9\_armoring.ai wgab

# Normandy Park Shoreline Characterization Report



Map 10  
**Historic and Current  
Shoretype**

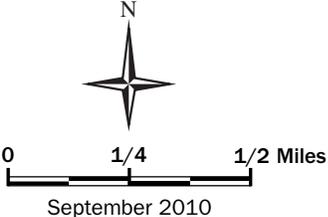
**Current Shoretype (Along Shore)**

-  Accretion Shoretype
-  Feeder Bluff
-  Modified/Armored
-  Transport Zone

**Historic Shoretype (Offset)**

-  Feeder Bluff
-  Feeder Bluff Exceptional
-  Potential Feeder Bluff
-  Not Feeder Bluff

-  Incorporated Area
-  Puget Sound/Lake
-  Stream
-  Major Road



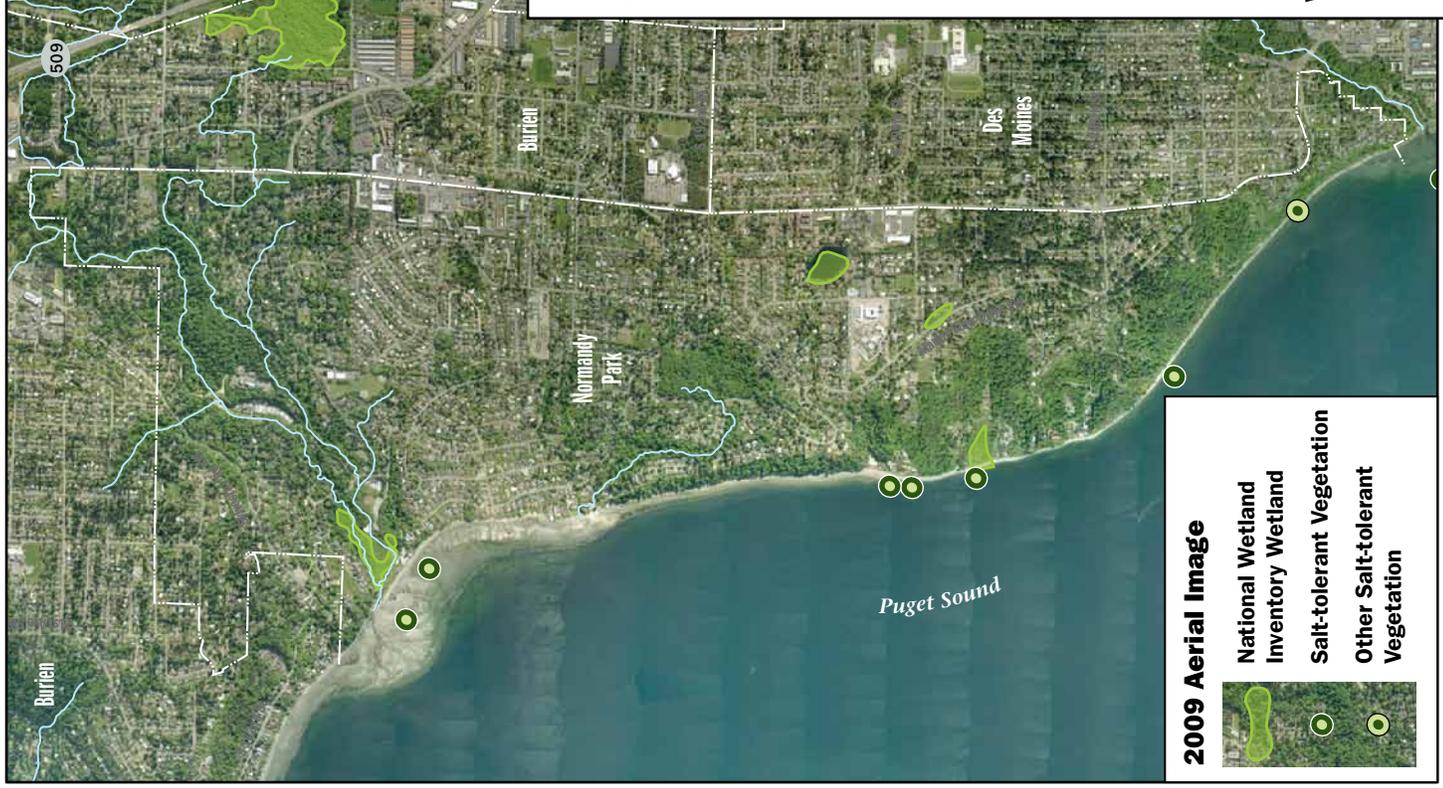
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Map created by DNRP GIS/Visual Communications/Web Unit  
Data King County Datasets  
File 1009npsr10\_shoretype.ai wgab

# Normandy Park Shoreline Characterization Report



0 1/4 1/2 Mile

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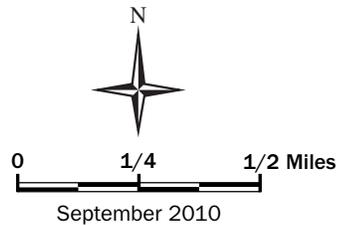
Map created by DNRPP GIS/  
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Data King County Datasets  
File 1009npshr11\_wetlands.ai wgab

# Normandy Park Shoreline Characterization Report



**Map 12  
Shoreline Segments**

- Segment 1 **Segment and Number**
- Associated Wetland**
- Incorporated Area**
- Puget Sound/Lake**
- Stream**
- Major Road**



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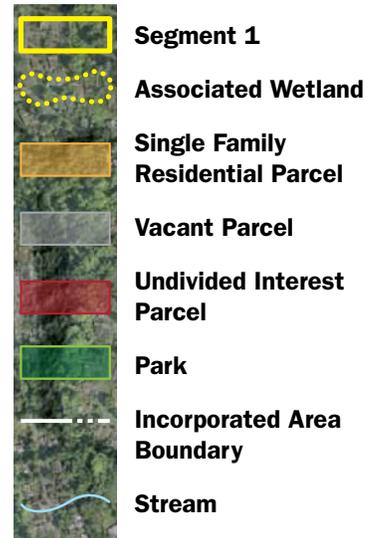
Data King County Datasets

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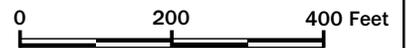
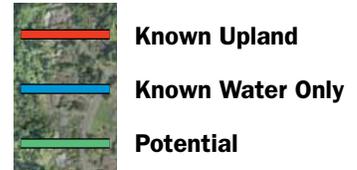
# Normandy Park Shoreline Characterization Report



Map 13  
Segment 1



**Public Access**



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Data King County Datasets  
File 1009npshr13\_seg1.ai wgab

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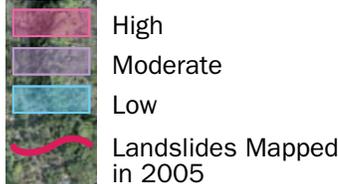
# Normandy Park Shoreline Characterization Report

## Maps 14a-d Segment 1 Geologic Features

### 14a. Liquefaction Susceptibility



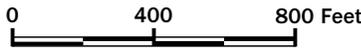
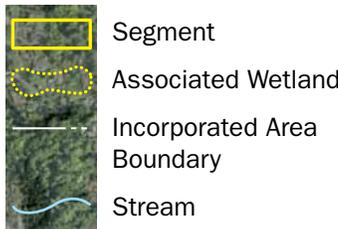
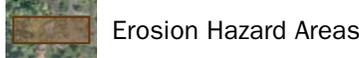
### 14b. Landslide Hazards Potential for Rapid Shallow Landslides



### 14c. Slopes 25% and Greater



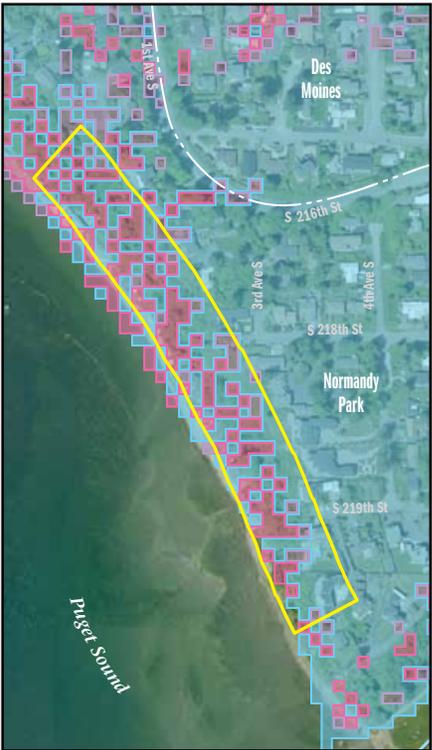
### 14d. Erosion Hazards



September 2010



14a. Liquefaction Susceptibility



14b. Landslide Hazards



14c. Slopes 25% and Greater



14d. Erosion Hazards

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Liquefaction - WADNR 2004; Landslides - Johannessen et al 2005; Predictive Shallow-Rapid Slope Stability - WADNR 2000; Erosion Hazards - King County 1990; 25% Slopes or greater - unpublished KC data, created 2010

File 1009npshr14\_seg1geol.ai wgab



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# Normandy Park Shoreline Characterization Report

Maps 15a-b

## Segment 1 Coastal Features



Segment  
Associated Wetland  
Incorporated Area  
Boundary  
Stream



0 200 400 Feet  
September 2010

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### 15b. Coastal Features

**Shoreline Armoring**

- Armor Above Ordinary High Water (OHW)
- Armor at OHW
- Armor Below OHW

**Shoreline Features**

- Groin
- Dock
- Ramp



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Division**



### 15a. Current and Historic Shoretype

**Current Shoretype (Along Shore)**

- Accretion Shoretype
- Feeder Bluff
- Modified/Armored
- Transport Zone

**Historic Shoretype (Offset)**

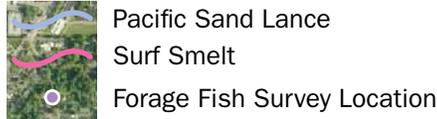
- Feeder Bluff
- Feeder Bluff Exceptional
- Potential Feeder Bluff
- Not Feeder Bluff

Map created by DMRP GIS/  
Visual Communications/Web Unit  
Data: King County Databases; Current Shoretypes and Historic Shoretypes (Johannessen et al 2005); Groins (Anchor Environmental 2004); Boat Ramps (Anchor Environmental 2004); Overtwater Structures (Anchor Environmental 2004); Shoreline Armoring (Johannessen et al 2005); Shoreline Armoring AT, above or below OHW (Anchor Environmental 2006)  
File 1009npsht15\_seg1coast.ai wgab

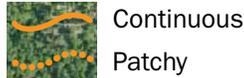
# Normandy Park Shoreline Characterization Report

## Maps 16a-d Segment 1 Biological Features

### 16a. Forage Fish Spawning Areas Spawning Habitat



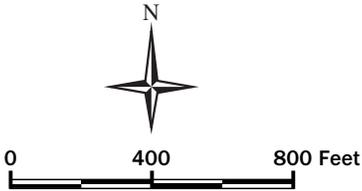
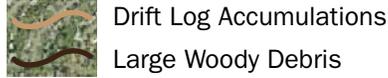
### 16b. Eelgrass Distribution



### 16c. Riparian Vegetation



### 16d. Drift Log/Large Woody Debris



September 2010



16a. Forage Fish Spawning Areas



16b. Eelgrass Distribution



16c. Riparian Vegetation



16d. Drift Log/Large Woody Debris

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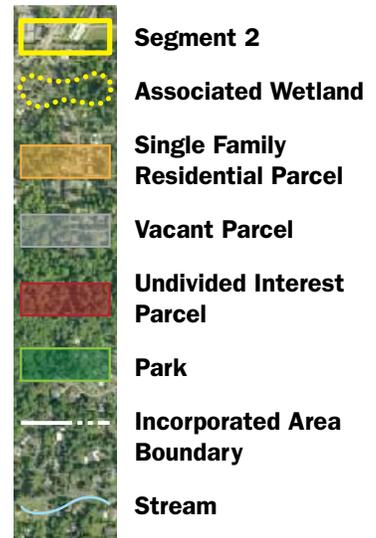
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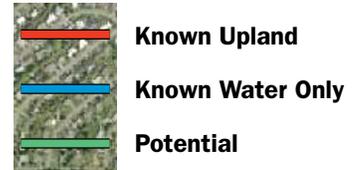
# Normandy Park Shoreline Characterization Report



Map 17  
Segment 2



**Public Access**



0 400 800 Feet

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Data King County Datasets  
File 1009npshr17\_seg2.ai wgab

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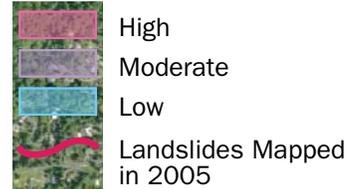
# Normandy Park Shoreline Characterization Report

## Maps 18a-d Segment 2 Geologic Features

### 18a. Liquefaction Susceptibility



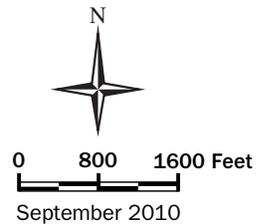
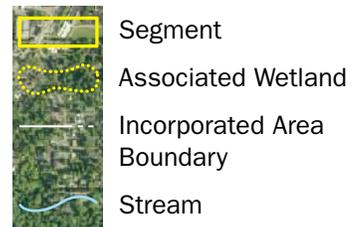
### 18b. Landslide Hazards Potential for Rapid Shallow Landslides



### 18c. Slopes 25% and Greater



### 18d. Erosion Hazards



18a. Liquefaction Susceptibility



18b. Landslide Hazards



18c. Slopes 25% and Greater



18d. Erosion Hazards

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Liquefaction - WADNR 2004; Landslides - Johannessen et al 2005; Predictive Shallow-Rapid Slope Stability - WADNR 2000; Erosion Hazards - King County 1990; 25% Slopes or greater - unpublished KC data, created 2010

File 1009npsr18\_seg2geol.ai wgab



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# Normandy Park Shoreline Characterization Report

Maps 19a-b

## Segment 2 Coastal Features



Segment  
Associated Wetland  
Incorporated Area  
Boundary  
Stream



0 800 1600 Feet

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### 19b. Coastal Features

**Shoreline Armoring**

- Armor Above Ordinary High Water (OHW)
- Armor at OHW
- Armor Below OHW

**Groin**  
**Dock**  
**Ramp**



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### 19a. Current and Historic Shoretype

**Current Shoretype (Along Shore)**

- Accretion Shoretype
- Feeder Bluff
- Modified/Armored
- Transport Zone

**Historic Shoretype (Offset)**

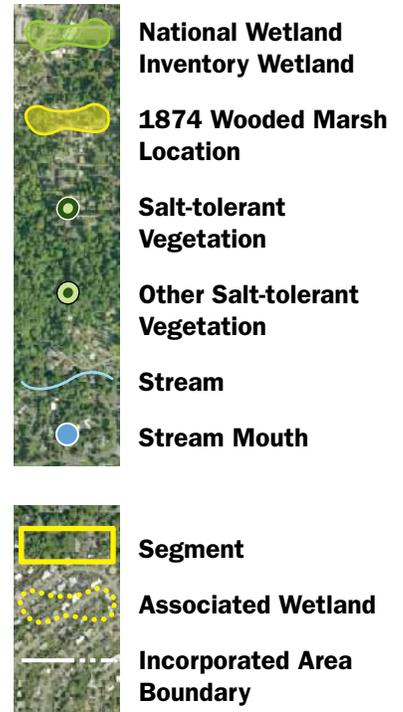
- Feeder Bluff
- Feeder Bluff Exceptional
- Potential Feeder Bluff
- Not Feeder Bluff

Map created by DMRP GIS/  
Visual Communications/Web Unit  
Data: King County Databases; Current Shoretypes and Historic Shoretypes (Johannessen et al 2005); Goinis (Anchor Environmental 2004); Boat Temps (Anchor Environmental 2004); Overwater Structures (Anchor Environmental 2004); Shoreline Armoring (Johannessen et al 2005); Shoreline Armoring At, above or below OHW (Anchor Environmental 2006)  
File 1009npsht19\_seg2coast.ai wgab

# Normandy Park Shoreline Characterization Report



Map 20  
**Segment 2**  
**Hydrologic Features**



0 400 800 Feet

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Streams-King County 2009;  
Wetlands-National Wetlands Inventory-WDFW 2010; Marsh-Anchor  
2004; Floodplain-King County 2006

File 1009npshr20\_seg2hydro.ai wgab

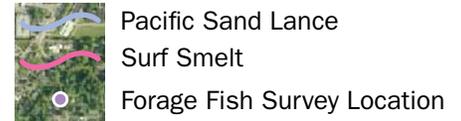
# Normandy Park Shoreline Characterization Report

Maps 21a-d

## Segment 2 Biological Features

### 21a. Forage Fish Spawning Areas

#### Spawning Habitat



### 21b. Eelgrass Distribution

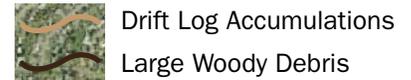


### 21c. Riparian Vegetation

#### Trees



### 21d. Drift Log/Large Woody Debris

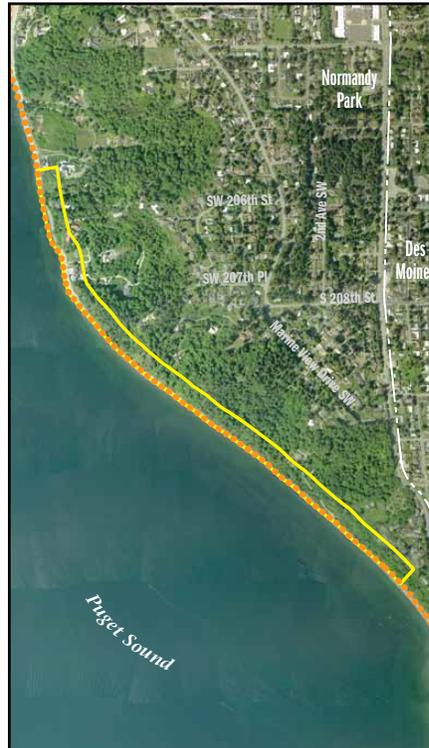


0 800 1600 Feet

September 2010



21a. Forage Fish Spawning Areas



21b. Eelgrass Distribution



21c. Riparian Vegetation



21d. Drift Log/Large Woody Debris

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Forage Fish Spawning Surveys-WDFW 2010; Eelgrass and Kelp-WADNR: Shorezone 2001; Marine Riparian Vegetation—Anchor 2004; Drift Log/LWD—Anchor 2004

File 1009npshr21\_seg2biol.ai wgab



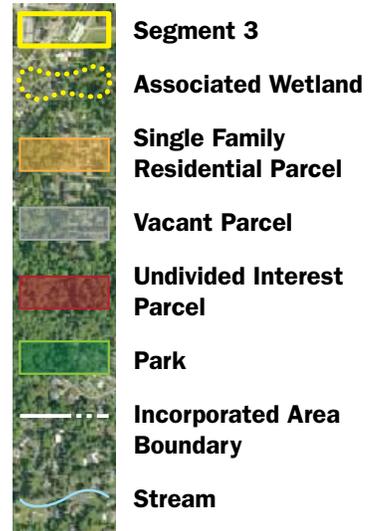
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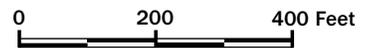
# Normandy Park Shoreline Characterization Report



Map 22  
Segment 3



**Public Access**



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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets

File 1009npshr22\_seg3.ai wgab

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# Normandy Park Shoreline Characterization Report

## Maps 23a-d Segment 3 Geologic Features



23a. Liquefaction Susceptibility

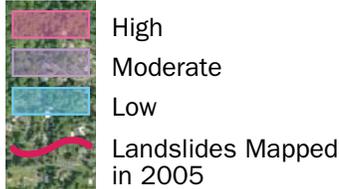


23b. Landslide Hazards

### 23a. Liquefaction Susceptibility



### 23b. Landslide Hazards Potential for Rapid Shallow Landslides



### 23c. Slopes 25% and Greater



### 23d. Erosion Hazards



23c. Slopes 25% and Greater



23d. Erosion Hazards



0 800 1600 Feet

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Liquefaction - WADNR 2004; Landslides - Johannessen et al 2005; Predictive Shallow-Rapid Slope Stability - WADNR 2000; Erosion Hazards - King County 1990; 25% Slopes or greater - unpublished KC data, created 2010

File 1009npsr23\_seg3geol.ai wgab

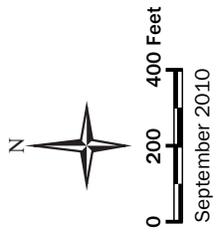
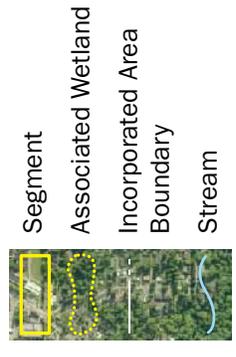


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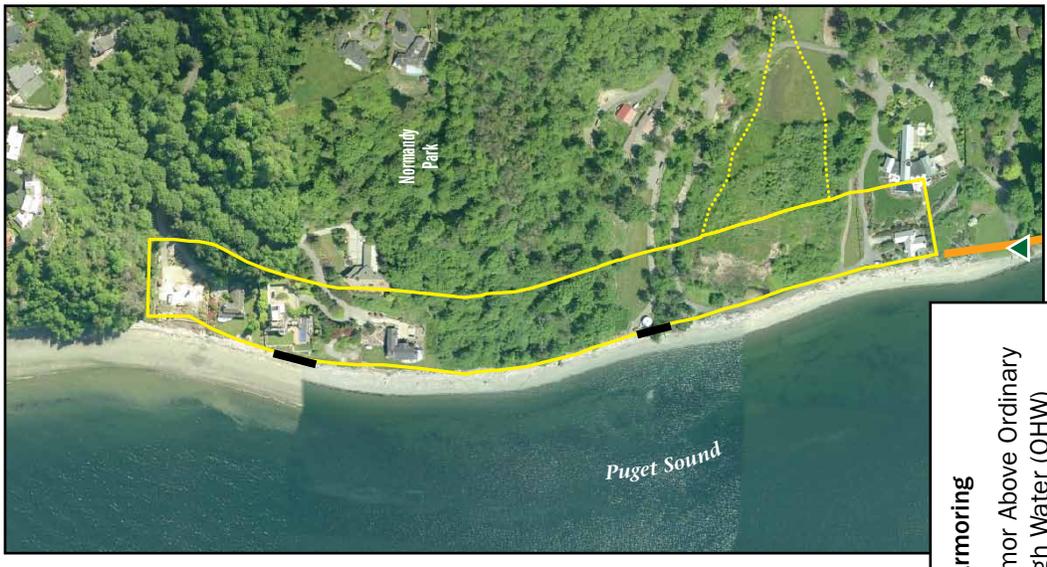
# Normandy Park Shoreline Characterization Report

Maps 24a-b  
Segment 3  
Coastal Features



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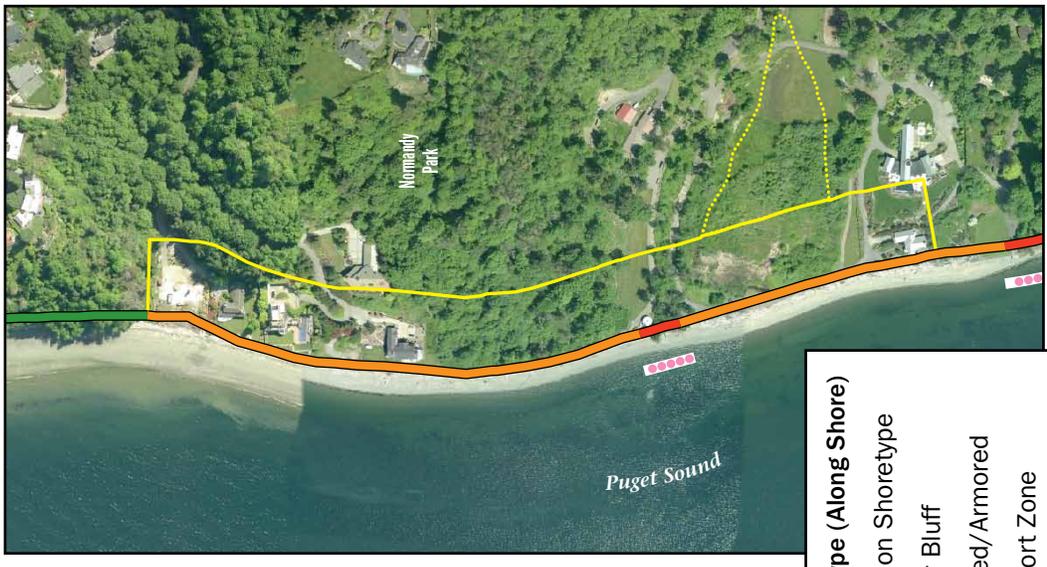


### Shoreline Armoring

- Armor Above Ordinary High Water (OHW)
- Armor at OHW
- Armor Below OHW
- Groin
- Dock
- Ramp

**24b. Coastal Features**

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### Current Shoretype (Along Shore)

- Accretion Shoretype
- Feeder Bluff
- Modified/Armored
- Transport Zone

### Historic Shoretype (Offset)

- Feeder Bluff
- Feeder Bluff Exceptional
- Potential Feeder Bluff
- Not Feeder Bluff

**24a. Current and Historic Shoretype**

Map created by DMRP GIS/  
Visual Communications/Web Unit

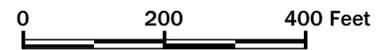
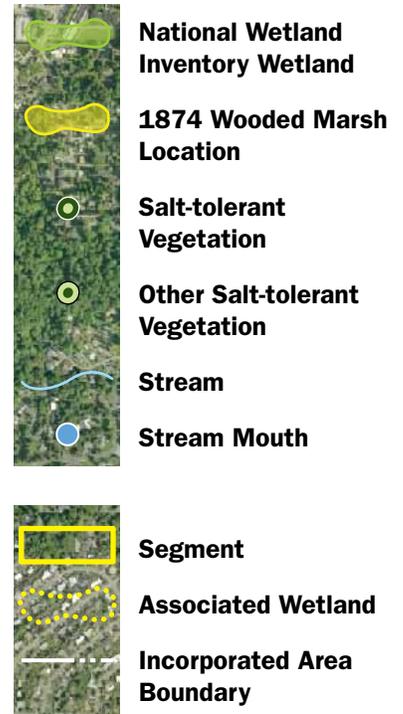
Data: King County Datasets; Current Shoretypes and Historic Shoretypes (Johannessen et al 2005); Groins (Anchor Environmental 2004); Boat Ramps (Anchor Environmental 2004); Overtwater Structures (Anchor Environmental 2004); Shoreline Armoring (Johannessen et al 2005); Shoreline Armoring AT, above or below OHW (Anchor Environmental 2006)

File 1009npsht24\_seg3coast.ai wgab

# Normandy Park Shoreline Characterization Report



Map 25  
**Segment 3**  
**Hydrologic Features**



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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Streams-King County 2009;  
Wetlands-National Wetlands Inventory-WDFW 2010; Marsh-Anchor  
2004; Floodplain-King County 2006

File 1009npshr25\_seg3hydro.ai wgab

# Normandy Park Shoreline Characterization Report

Maps 26a-d

## Segment 3 Biological Features

### 26a. Forage Fish Spawning Areas

#### Spawning Habitat

-  Pacific Sand Lance
-  Surf Smelt
-  Forage Fish Survey Location

### 26b. Eelgrass Distribution

-  Continuous
-  Patchy

### 26c. Riparian Vegetation

#### Trees

-  Dense Overhanging
-  Patchy Overhanging
-  Dense Not Overhanging
-  Patchy Not Overhanging
-  Grass

### 26d. Drift Log/Large Woody Debris

-  Drift Log Accumulations
-  Large Woody Debris

-  Segment
-  Associated Wetland
-  Incorporated Area Boundary
-  Stream



0 800 1600 Feet

September 2010



26a. Forage Fish Spawning Areas



26b. Eelgrass Distribution



26c. Riparian Vegetation



26d. Drift Log/Large Woody Debris

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Forage Fish Spawning Surveys-WDFW 2010; Eelgrass and Kelp-WADNR: Shorezone 2001; Marine Riparian Vegetation—Anchor 2004; Drift Log/LWD—Anchor 2004

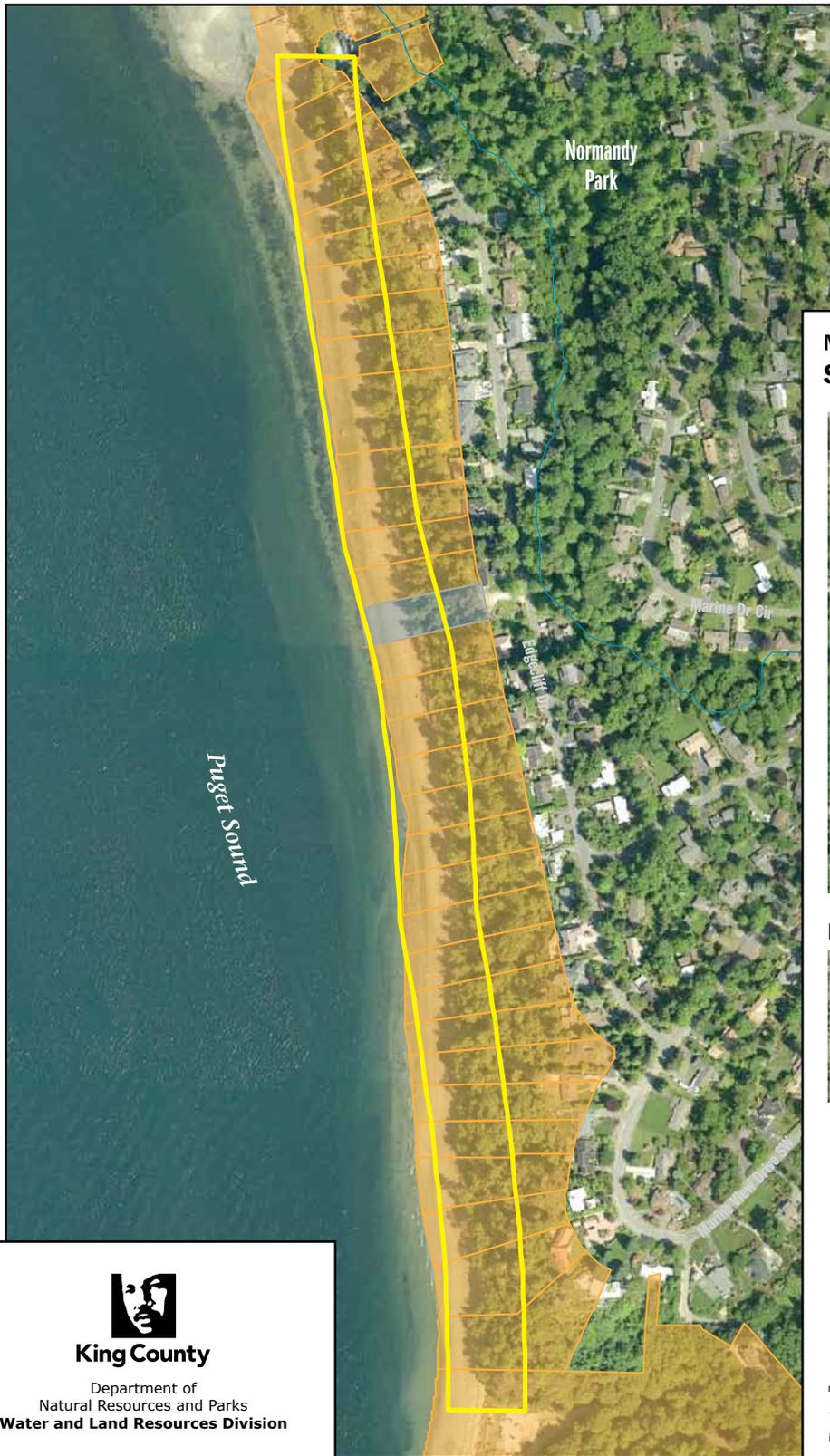
File 1009npshr26\_seg3biol.ai wgab



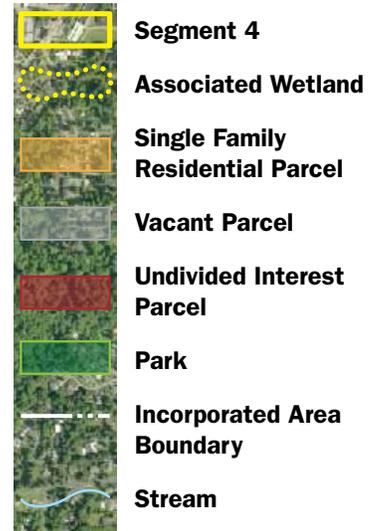
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# Normandy Park Shoreline Characterization Report



Map 27  
Segment 4



**Public Access**



0 200 400 Feet

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets  
File 1009npshr27\_seg4.ai wgab

# Normandy Park Shoreline Characterization Report

## Maps 28a-d Segment 4 Geologic Features



28a. Liquefaction Susceptibility

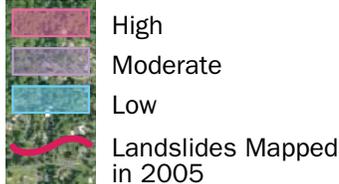


28b. Landslide Hazards

### 28a. Liquefaction Susceptibility



### 28b. Landslide Hazards Potential for Rapid Shallow Landslides



### 28c. Slopes 25% and Greater



### 28d. Erosion Hazards



28c. Slopes 25% and Greater



28d. Erosion Hazards



0 400 800 Feet

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Liquefaction - WADNR 2004; Landslides - Johannessen et al 2005; Predictive Shallow-Rapid Slope Stability - WADNR 2000; Erosion Hazards - King County 1990; 25% Slopes or greater - unpublished KC data, created 2010

File 1009npsr28\_seg4geol.ai wgab



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# Normandy Park Shoreline Characterization Report

Maps 29a-b

## Segment 4 Coastal Features



Segment  
Associated Wetland  
Incorporated Area  
Boundary  
Stream



0 400 800 Feet

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29b. Coastal Features



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### Shoreline Armoring



Armor Above Ordinary  
High Water (OHW)

Armor at OHW

Armor Below OHW



Groin

Dock

Ramp



29a. Current and  
Historic Shoretype

Map created by DMRP GIS/  
Visual Communications/Web Unit  
Data: King County Databases; Current Shoretypes and  
Historic Shoretypes (Johannessen et al 2005); Goinis  
(Anchor Environmental 2004); Boat Temps (Anchor  
Environmental 2004); Overtwater Structures (Anchor  
Environmental 2004); Shoreline Armoring  
(Johannessen et al 2005); Shoreline Armoring AT,  
above or below OHW (Anchor Environmental 2006)  
File 1009npsht29\_seg4coast.ai wgab

### Current Shoretype (Along Shore)



Accretion Shoretype

Feeder Bluff

Modified/Armored

Transport Zone

### Historic Shoretype (Offset)



Feeder Bluff

Feeder Bluff  
Exceptional

Potential Feeder Bluff

Not Feeder Bluff

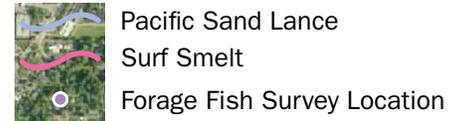
# Normandy Park Shoreline Characterization Report

Maps 30a-d

## Segment 4 Biological Features

### 30a. Forage Fish Spawning Areas

#### Spawning Habitat



### 30b. Eelgrass Distribution

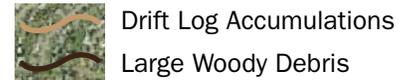


### 30c. Riparian Vegetation

#### Trees

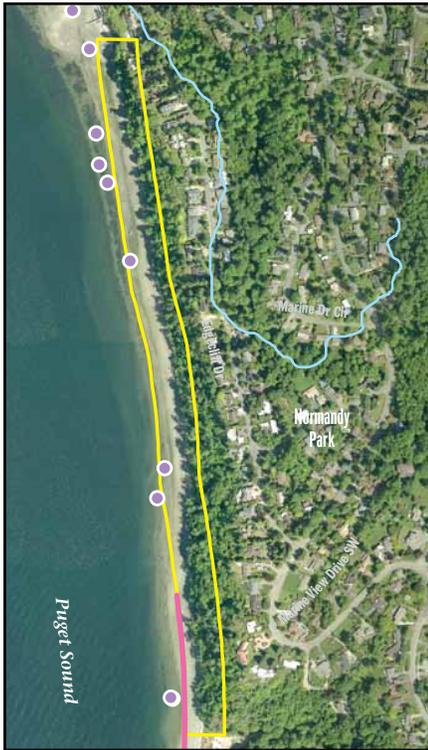


### 30d. Drift Log/Large Woody Debris

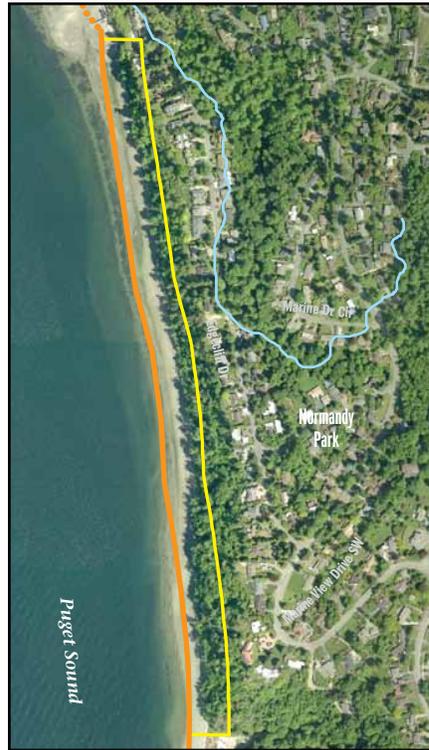


0 400 800 Feet

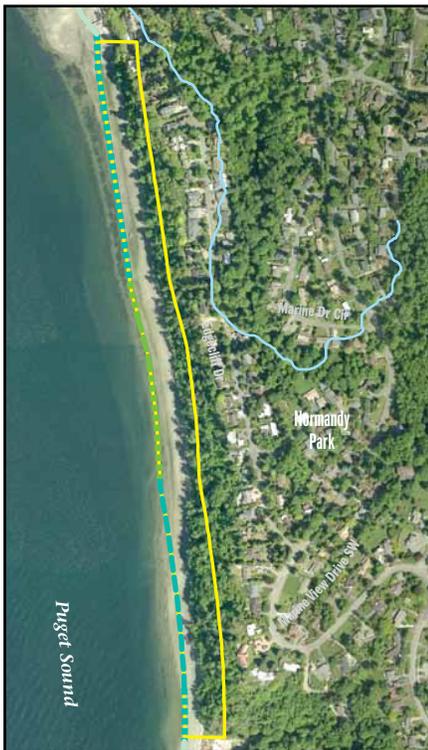
September 2010



30a. Forage Fish Spawning Areas



30b. Eelgrass Distribution



30c. Riparian Vegetation



30d. Drift Log/Large Woody Debris

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Forage Fish Spawning Surveys-WDFW 2010; Eelgrass and Kelp-WADNR: Shorezone 2001; Marine Riparian Vegetation—Anchor 2004; Drift Log/LWD—Anchor 2004

File 1009npshr30\_seg4biol.ai wgab



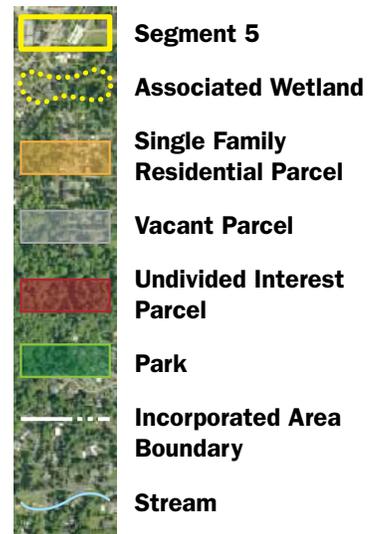
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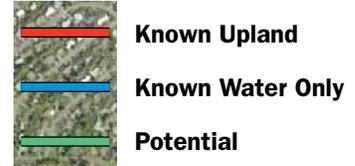
# Normandy Park Shoreline Characterization Report



Map 31  
Segment 5



**Public Access**



0 200 400 Feet

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 Data King County Datasets  
 File 1009npshr31\_seg5.ai wgab

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# Normandy Park Shoreline Characterization Report

## Maps 32a-d Segment 5 Geologic Features



32a. Liquifaction Susceptibility

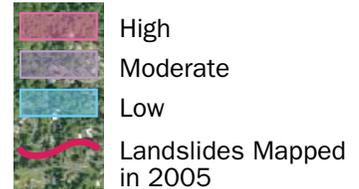


32b. Landslide Hazards

### 32a. Liquifaction Susceptibility



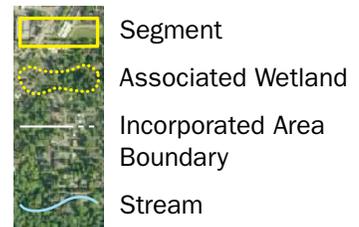
### 32b. Landslide Hazards Potential for Rapid Shallow Landslides



### 32c. Slopes 25% and Greater



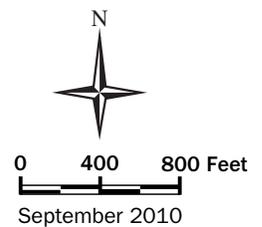
### 32d. Erosion Hazards



32c. Slopes 25% and Greater



32d. Erosion Hazards



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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Liquefaction - WADNR 2004; Landslides - Johannessen et al 2005; Predictive Shallow-Rapid Slope Stability - WADNR 2000; Erosion Hazards - King County 1990; 25% Slopes or greater - unpublished KC data, created 2010

File 1009npshr32\_seg5geol.ai wgab

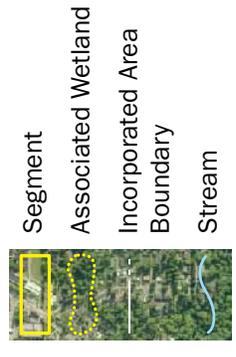


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# Normandy Park Shoreline Characterization Report

Maps 33a-b  
Segment 5  
Coastal Features



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33b. Coastal Features



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**Shoreline Armoring**

- Armor Above Ordinary High Water (OHW)
- Armor at OHW
- Armor Below OHW

**Groin**

**Dock**

**Ramp**



33a. Current and Historic Shoretype

Map created by DNRP GIS/  
Visual Communications/Web Unit  
Data: King County Datasets; Current Shoretypes and Historic Shoretypes (Johannessen et al 2005); Goins (Anchor Environmental 2004); Boat Temps (Anchor Environmental 2004); Overwater Structures (Anchor Environmental 2004); Shoreline Armoring (Johannessen et al 2005); Shoreline Armoring At, above or below OHW (Anchor Environmental 2006)  
File 1009npsh33\_seg5coast.ai wgab

**Current Shoretype (Along Shore)**

- Accretion Shoretype
- Feeder Bluff
- Modified/Armored
- Transport Zone

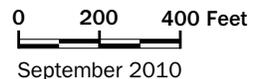
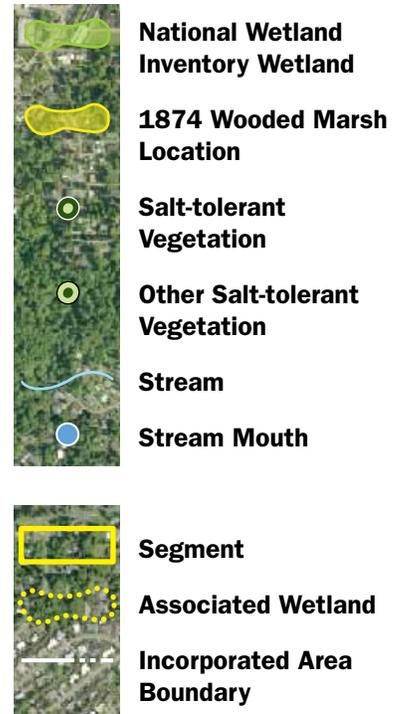
**Historic Shoretype (Offset)**

- Feeder Bluff
- Feeder Bluff Exceptional
- Potential Feeder Bluff
- Not Feeder Bluff

# Normandy Park Shoreline Characterization Report



Map 34  
Segment 5  
Hydrologic Features



September 2010

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Map created by DNRP GIS/Visual Communications/Web Unit  
Data King County Datasets; Streams-King County 2009;  
Wetlands-National Wetlands Inventory-WDFW 2010; Marsh-Anchor  
2004; Floodplain-King County 2006  
File 1009npshr34\_seg5hydro.ai wgab

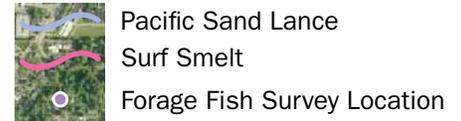
# Normandy Park Shoreline Characterization Report

Maps 35a-d

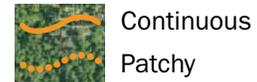
## Segment 5 Biological Features

### 35a. Forage Fish Spawning Areas

#### Spawning Habitat



### 35b. Eelgrass Distribution

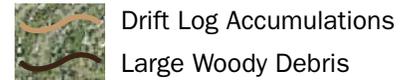


### 35c. Riparian Vegetation

#### Trees



### 35d. Drift Log/Large Woody Debris



0 400 800 Feet

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35a. Forage Fish Spawning Areas



35b. Eelgrass Distribution



35c. Riparian Vegetation



35d. Drift Log/Large Woody Debris

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Forage Fish Spawning Surveys-WDFW 2010; Eelgrass and Kelp-WADNR; Shorezone 2001; Marine Riparian Vegetation—Anchor 2004; Drift Log/LWD—Anchor 2004

File 1009npshr35\_seg5biol.ai wgab



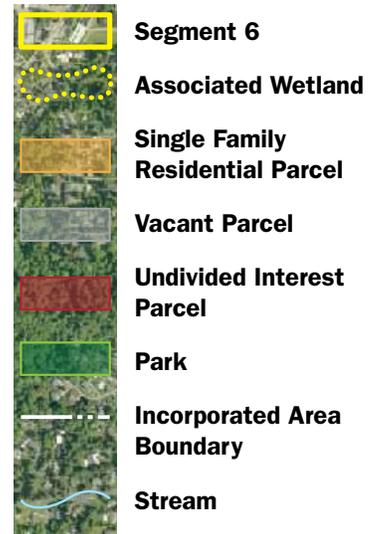
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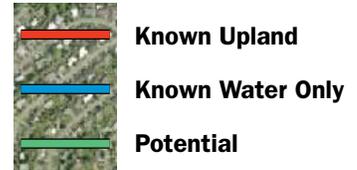
# Normandy Park Shoreline Characterization Report



Map 36  
Segment 6



**Public Access**



0 100 200 Feet

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Map created by DNRP GIS/Visual Communications/Web Unit

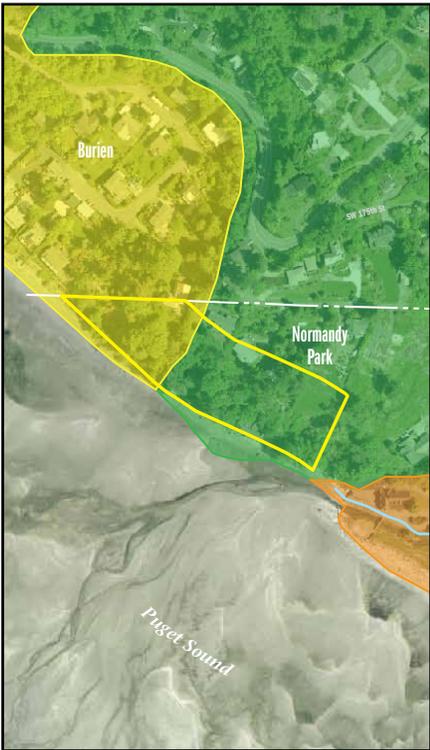
Data King County Datasets  
File 1009npshr36\_seg6.ai wgab

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# Normandy Park Shoreline Characterization Report

## Maps 37a-d Segment 6 Geologic Features



37a. Liquefaction Susceptibility



37b. Landslide Hazards

### 37a. Liquefaction Susceptibility



### 37b. Landslide Hazards Potential for Rapid Shallow Landslides



### 37c. Slopes 25% and Greater



### 37d. Erosion Hazards



37c. Slopes 25% and Greater



37d. Erosion Hazards



0 200 400 Feet

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Liquefaction - WADNR 2004; Landslides - Johannessen et al 2005; Predictive Shallow-Rapid Slope Stability - WADNR 2000; Erosion Hazards - King County 1990; 25% Slopes or greater - unpublished KC data, created 2010

File 1009npshr37\_seg6geol.ai wgab

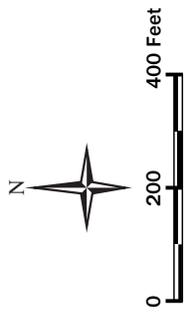
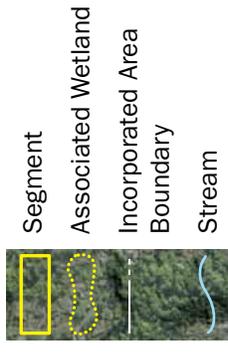


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# Normandy Park Shoreline Characterization Report

Maps 38a-b  
Segment 6  
Coastal Features



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38b. Coastal Features

**Shoreline Armoring**

- Armor Above Ordinary High Water (OHW)
- Armor at OHW
- Armor Below OHW

**Shoreline Features**

- Groin
- Dock
- Ramp



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38a. Current and Historic Shoretype

**Current Shoretype (Along Shore)**

- Accretion Shoretype
- Feeder Bluff
- Modified/Armored
- Transport Zone

**Historic Shoretype (Offset)**

- Feeder Bluff
- Feeder Bluff Exceptional
- Potential Feeder Bluff
- Not Feeder Bluff

Map created by DMRP GIS/  
Visual Communications/Web Unit  
Data: King County Databases; Current Shoretypes and Historic Shoretypes (Johannessen et al 2005); Goins (Anchor Environmental 2004); Boat Temps (Anchor Environmental 2004); Overwater Structures (Anchor Environmental 2004); Shoreline Armoring (Johannessen et al 2005); Shoreline Armoring AT, above or below OHW (Anchor Environmental 2006)  
File 1009npsh38\_seg6coast.ai wgab

# Normandy Park Shoreline Characterization Report

Maps 39a-d

## Segment 6 Biological Features

### 39a. Forage Fish Spawning Areas

#### Spawning Habitat



### 39b. Eelgrass Distribution

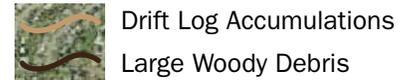


### 39c. Riparian Vegetation

#### Trees



### 39d. Drift Log/Large Woody Debris



0 200 400 Feet

September 2010



39a. Forage Fish Spawning Areas



39b. Eelgrass Distribution



39c. Riparian Vegetation



39d. Drift Log/Large Woody Debris

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Map created by DNRP GIS/Visual Communications/Web Unit

Data King County Datasets; Forage Fish Spawning Surveys-WDFW 2010; Eelgrass and Kelp-WADNR: Shorezone 2001; Marine Riparian Vegetation—Anchor 2004; Drift Log/LWD—Anchor 2004

File 1009npshr39\_seg6biol.ai wgab



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# Normandy Park Shoreline Characterization Report



**Map 40**  
**Potential Restoration and Preservation Areas**

-  **Restoration Potential**
-  **Preservation Potential**
-  **Segment and Number**
-  **Associated Wetland**
-  **Incorporated Area**
-  **Puget Sound/Lake**
-  **Stream**
-  **Major Road**

N



0      1/4      1/2 Miles

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Data King County Datasets  
File 1009npshr40\_rest\_preserv.ai wgab