



# REACH WW06

Lagoon Point, South Whidbey State Park, Bush Point Lagoon, Mutiny Bay

## SHORELINE LENGTH:

14.51 Miles

## REACH AREA:

369 Acres

## PSNERP PROCESS UNITS:

5030 - 5032

### REACH SUMMARY

Lagoon Point, South Whidbey State Park, Bush Point Lagoon, Mutiny Bay (Reach WW06) extends for almost 15 miles along the Admiralty Inlet shoreline and is generally characterized by intermittent coastal bluff shorelines backed by rural residential development and barrier beach (accretion) areas with pockets of denser, low-bank shoreline residential development. Geomorphic shoreline processes are significantly influenced by the convergence of two long drift cells at Bush Point Lagoon. Sediments transported by these cells support several significant accretion areas — at Lagoon Point (Oblique Photo B), at Bush Point Lagoon and within Mutiny Bay (Oblique Photo D).

Coastal lagoon (Bush Point Lagoon) and associated wetland areas are mapped within the reach; however, most historic coastal lagoons have been significantly modified by shoreline residential development. Twelve stream mouths (none with mapped salmonid use) drain to the shoreline within the reach — all from relatively short drainages. Other shoreland habitats include WDFW mapped Bald Eagle territory, coastal cliffs and old growth / mature forest areas. Mapped aquatic habitats include hardshell clam habitat around Lagoon Point and geoduck habitat within Mutiny Bay. Patchy kelp and eelgrass is inventoried intermittently throughout the reach. Two haulout sites are located off Double Bluff Point and one haulout site is offshore from Bush Point.

Primary land uses within the shoreline area include high density shoreline development at Lagoon Point and Bush Point and rural residential development and park land in other areas of reach. Numerous overwater structures providing private residential moorage and access are located within the Lagoon Point community. Significant public access is provided by Double Bluff Park.

### GEOMORPHIC KEY INFORMATION

#### Geomorphic Shoretype (Map 9)

Long reach is characterized by alternating areas of Feeder Bluff (30%), Transport Zone (6%), and Accretion Shoreform (36%); some modified shoreline mapped

#### Net Shore Drift (Map 8)

Two drift cells converge at Bush Point: one with southward drift originates near Lake Hancock; one with northward drift originates near Double Bluff.

#### Shoreform Current (Map 10)

Barrier Beach (33%); Bluff-backed Beach (51%); Artificial (16%)

#### Overall Rating of Degradation

Less (100%)

#### Coastal Floodplain:

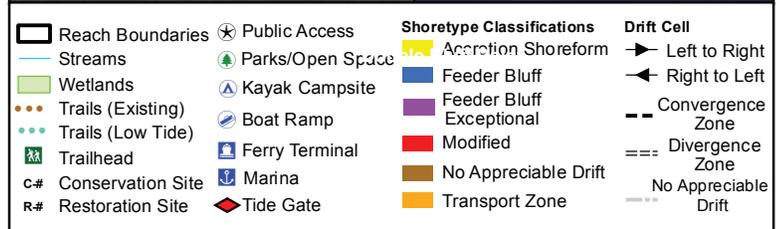
46%

#### Coastal Landslides & Toe Erosion:

Landslides mapped along Double Bluff Beach, feeder bluff areas flanking Bush Point and Lagoon Point; toe erosion extensive north of Lagoon Point.

#### Steep Slopes

25%



Shoreline Oblique Photos (2006)

