

SAN JUAN COUNTY

PUBLIC MOORING BUOY PROJECT



Acknowledgement

Rick Hughes County Commissioner

Prepared by

Jen-Jay, Inc.

P.O. Box 278

Deer Harbor, WA 98243

Statement of Purpose

Provide public marine access to public lands while minimizing the impact to the environment and promoting commerce.

Contents

Acknowledgement 3

 Prepared by..... 3

 Statement of Purpose 3

Contents..... 4

SAN JUAN ISLANDS..... 6

INTRODUCTION..... 7

BLAKELY ISLAND 8

 Buoy Location #1..... 9

CLARK ISLAND 10

 Buoy Location #2A and #2B 11

JONES ISLAND 12

 Buoy Locations #3, #4A and #4B..... 13

LOPEZ ISLAND..... 14

 Buoy Location #5..... 15

 Buoy Location #6A and #6B 16

 Buoy Location #7..... 17

 Buoy Location #8..... 18

 Buoy Location #9..... 19

 Buoy Location #10..... 20

 Buoy Location #12..... 21

MATIA ISLAND..... 24

 Buoy Location #13..... 25

ORCAS ISLAND..... 26

 Buoy Location #14..... 27

 Buoy Location #15..... 28

 Buoy Location #16..... 29

 Buoy Location #17..... 30

 Buoy Location #18..... 31

 Buoy Location #19..... 32

 Buoy Location #20..... 33

Buoy Location #21 34

Buoy Location #22 35

Buoy Location #23 36

Buoy Location #24 37

Buoy Location #25A and #25B..... 38

PATOS ISLAND 40

 Buoy Location #26 41

SAN JUAN ISLAND..... 42

 Buoy Location #27 43

 Buoy Location #28 44

 Buoy Location #29A and #29B..... 45

 Buoy Location #30 46

 Buoy Location #31 46

 Buoy Location #32 47

 Buoy Location #33 49

 Buoy Location #34 50

 Buoy Location #35 51

SHAW ISLAND 52

 Buoy Location #36 53

 Buoy Location #37 54

STUART ISLAND 56

 Buoy Location #38 57

 Buoy Location #39 58

SUCIA ISLAND 60

 Buoy Location #40 and #41 61

 Buoy Location #42 and #43 62

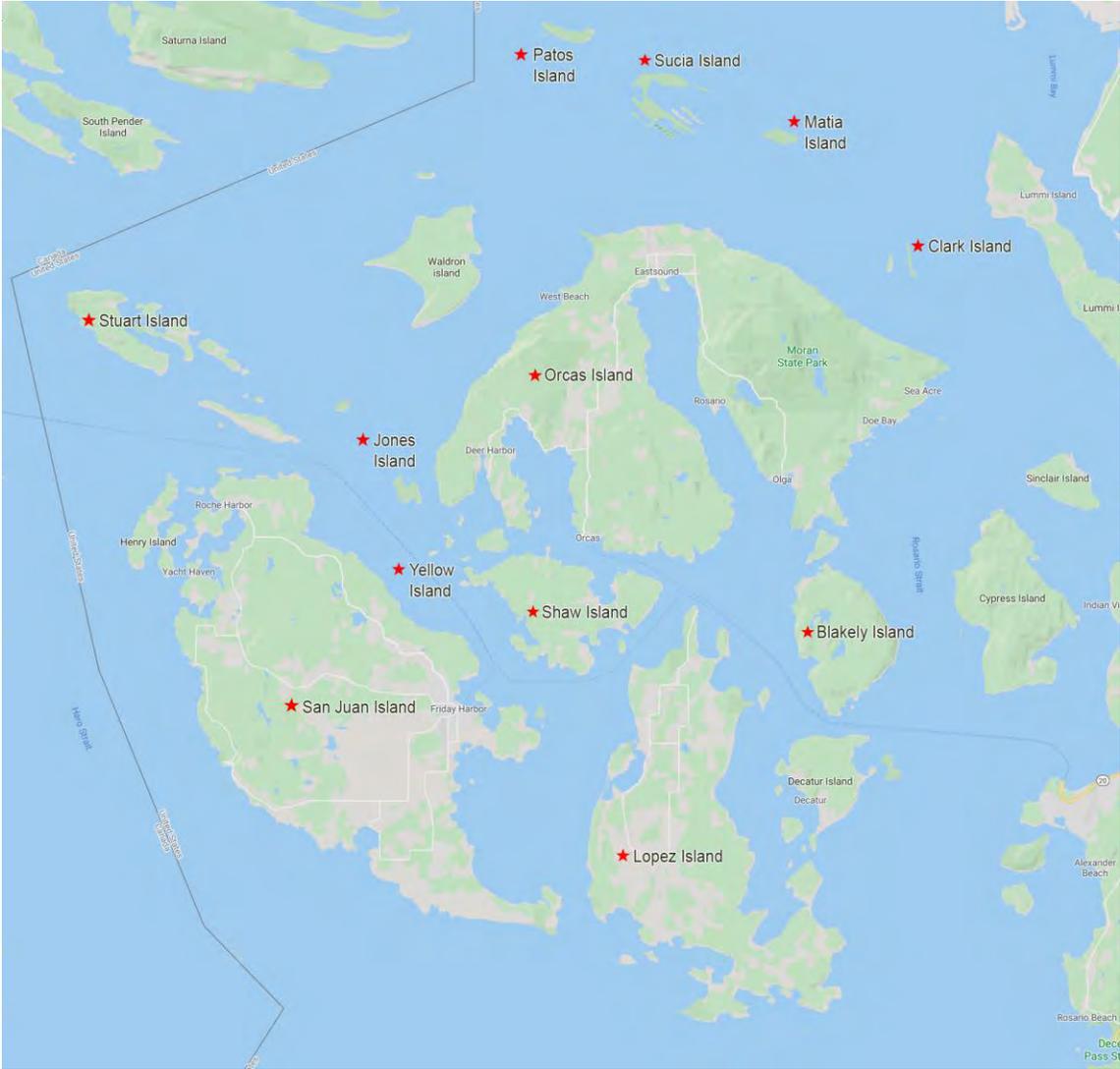
YELLOW ISLAND..... 64

 Buoy Location #44A and #44B..... 65

CONCLUSION 65

 Phase One..... 66

SAN JUAN ISLANDS



★ Islands with proposed buoy locations



INTRODUCTION

One of San Juan County's most valuable resources is its access to the marine waters of the state. Protecting marine waters and keeping them pristine is important to the people and the regulators of the county. The San Juan County Public Mooring Buoy Project hopes to protect marine waters and its unique habitat, while promoting recreation and local commerce.

San Juan County is adorned with numerous parks, preserves and monuments that are accessible by boat and managed through Washington State Parks (WSP), Bureau of Land Management (BLM), National Monuments, Washington Department of Natural Resources (WDNR), and San Juan County Parks. The county has identified the need to offer more public mooring buoys. Providing an adequate number of mooring buoys for local and visiting boaters to enjoy the natural wonders of the San Juan Islands will benefit local merchants with additional patronage, as well as, help meet the county's "leave no trace" designation by easing transient boat anchoring pressures on the aquatic resources, species of concern and their habitats.

Forty-four locations have been identified in this document for public mooring buoys. Many of the sites have existing public moorings maintained by a variety of agencies. In these locations, the additional county public moorings will augment the existing mooring fields. In addition, other locations that have existing private moorings would benefit from public moorings being added with permission from landowners. Many of the sites have eelgrass beds, forage fish spawning areas and other sensitive marine habitats that are currently being impacted by numerous boat anchors being set and pulled throughout the year. At these popular and sensitive locations, public mooring buoys will have an immediate, positive affect on the aquatic environment.

The following proposed mooring field locations are organized alphabetically by island and location referenced by number. A map for each island notes each mooring field site. Each site description has a vicinity map to show the location of the site in reference to the San Juan Islands. In addition, the approximate latitude and longitude for each site, proposed number of mooring buoys, the approximate depth given at zero tide (MLLW), and land access parcel number and owner are given. With the exception of location #1 Blakely Island Marina, #8 West Beach Resort, #20 Rosario Resort, #37 San Juan Preservation Trust and University of Washington and #44 Nature Conservancy's Yellow Island, all other locations can access public lands, roads or docks. Information on the site location, amenities, weather and sensitive habitat are included.



BLAKELY ISLAND



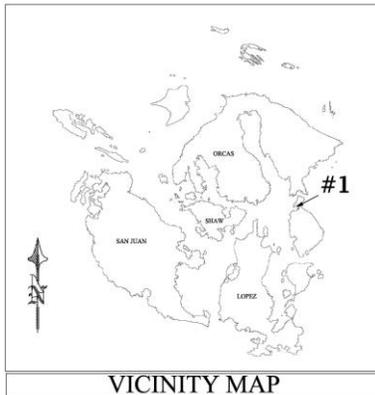
Buoy Location #1

BLAKELY ISLAND: 48.584467°, -122.819017°

Propose 2 Moorings--- 25' Deep

Access is tax parcel #162 850 143 Blakely Island Marina

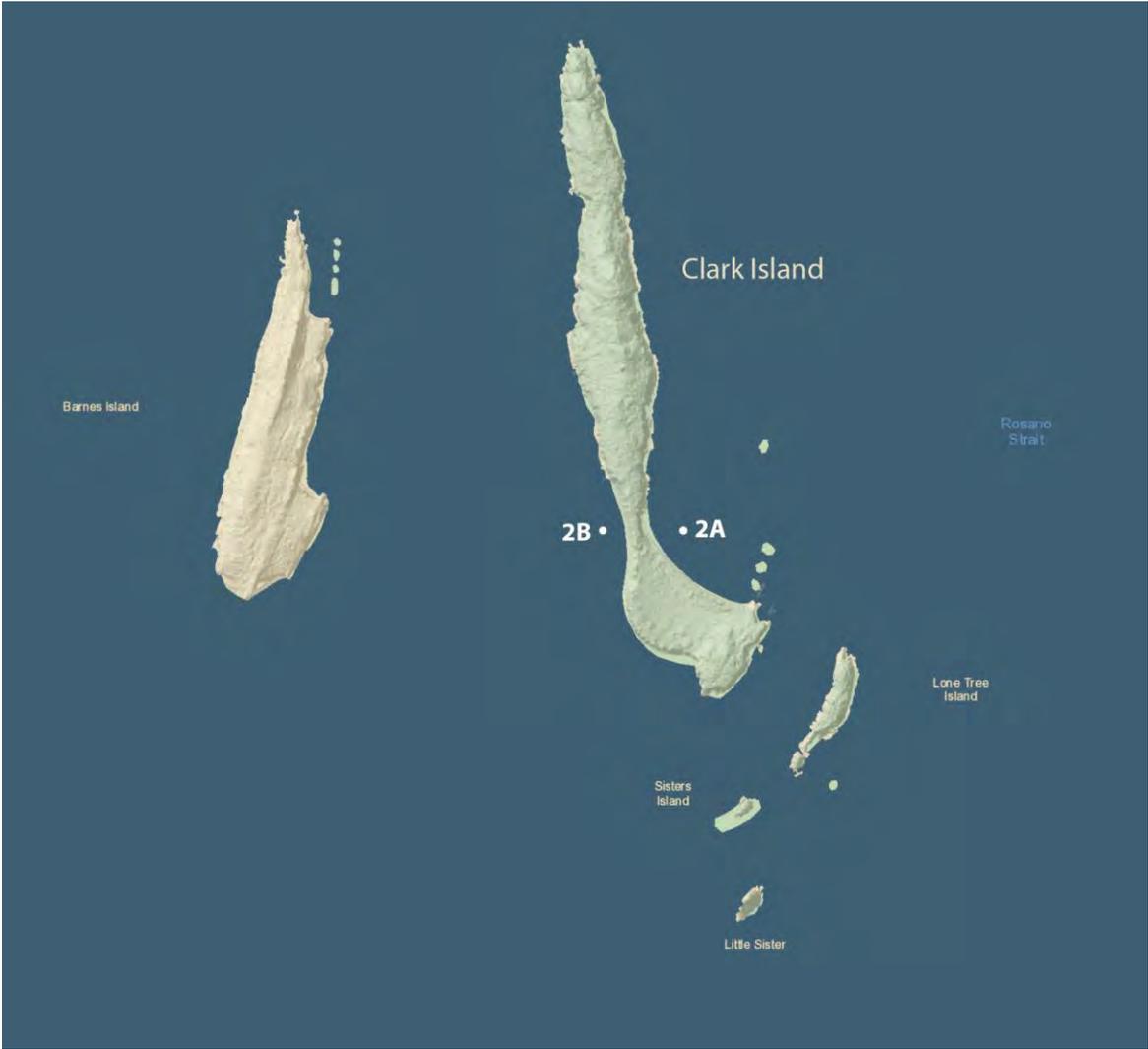
A recess on the northern coast of Blakely Island at the west end of Peavine Pass may be accessed by a privately-owned fuel dock and marina at the end of Marine Drive. A small store and deli are located at the marina. A US Post Office is in the area, but no other services are available on Blakely Island.

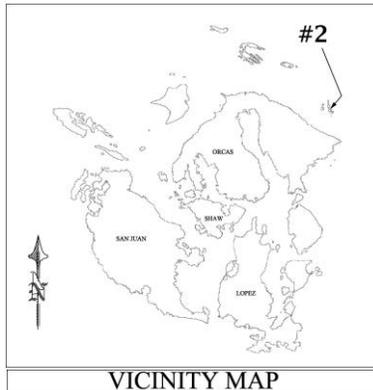


The area is exposed to northwest winds and there are strong currents moving through Peavine Pass. Eelgrass is documented in the area and a submarine cable crossing from Orcas Island to Blakely Island is 3,000 ft to the west, so transient temporary anchors in this area should be avoided. There is no documented kelp or forage fish spawning in the proposed area.



CLARK ISLAND





Buoy Location #2A and #2B

CLARK EAST (2A): 48.699°, -122.760°

Propose 2 Moorings---30' Deep

CLARK WEST (2B): 48.697°, -122.765°

Propose 3 Moorings---30' Deep

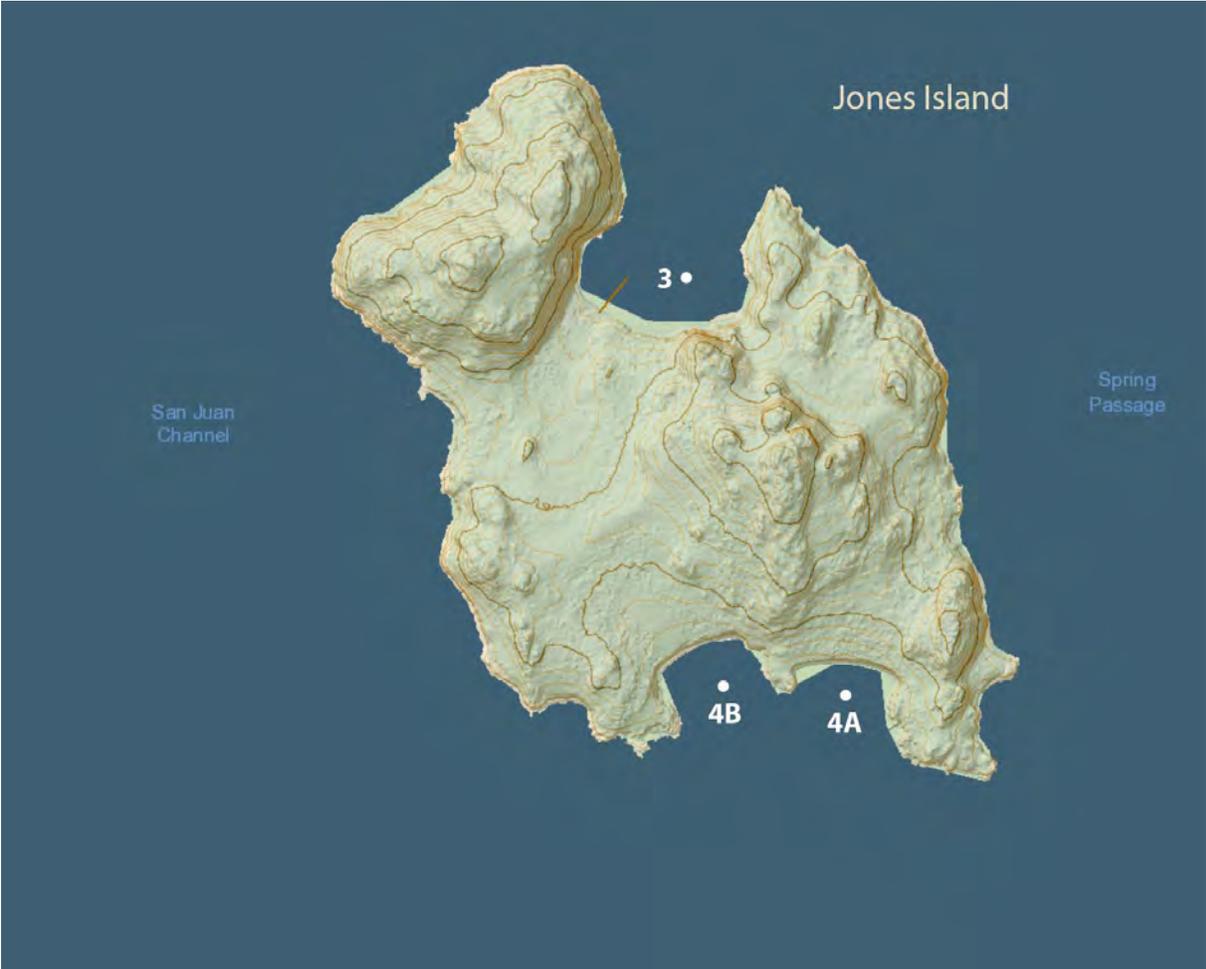
Access is tax parcel #171 234 001 Washington State Parks

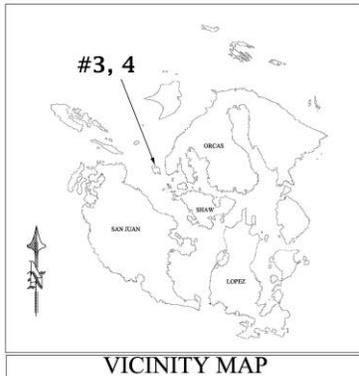
Clark Island is a small, elongated island on the northeastern edge of San Juan County between Orcas Island and Lummi Island with nice pebble beaches. Clark Island Marine State Park is a 55-acre park with picnic tables and campsites but no other services. Clark Island is a great stopping off place to relax, beachcomb or enjoy a beautiful sunset.

Washington State Parks has six moorings on the east side and three on the west, but there is room to add additional buoys as proposed. Boaters should be aware of the strong currents on the west side and large waves from passing commercial shipping in Rosario Strait on the east side moorage site. Both sites can be exposed to prevailing seasonal wind. Eelgrass is documented in both proposed locations, so transient temporary anchors in this area should be avoided. There is no documented kelp or forage fish spawning in the area.



JONES ISLAND





Buoy Locations #3, #4A and #4B

JONES NORTH (3): 48.619°, -123.097°

Propose 4 Moorings--- 46' Deep

JONES SOUTHWEST (4A): 48.611°, -122.045°

Propose 2 Moorings--- 30' Deep

JONES SOUTHEAST (4B): 48.611°, -122.043°

Propose 1 Mooring--- 33' Deep

Access is tax parcel #361 421 001 Washington State Parks

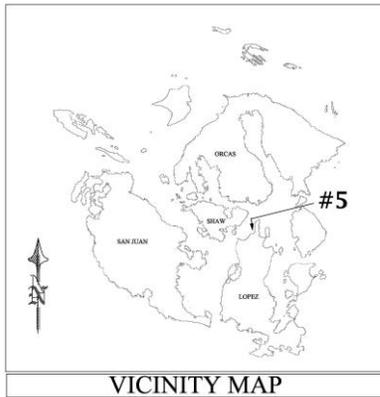
Jones Island Marine State Park is a 188-acre marine camping park accessible by boat only. Jones Island has hiking trails, beaches, picnic tables, camping sites, toilets and drinking water is provided May through September. No garbage or other services are available. Jones Island is off the southwest end of Orcas Island with Deer Harbor, Roche Harbor and Friday Harbor being the nearest services. Landings on the north side can be made to a seasonal dock or nearby beach and the two southern sites are beach landings.

Washington State Parks has seven moorings and a seasonal dock, but there is room to add additional buoys as proposed. All locations are exposed to waves from other vessels. The two southern sites are open to south winds that blow primarily in the summer. The north side is open to north winds, which are typically winter winds. There is documented eelgrass in all three anchorages so transient temporary anchors in this area should be avoided. There is no documented kelp or forage fish spawning in the area.



LOPEZ ISLAND





Buoy Location #5

ODLIN COUNTY PARK: 48.558°, -122.895°

Propose 4 Moorings--- 43' To 50' Deep

Access is tax parcel #250 241 001 San Juan County Parks

Odlin County Park is on the north end of Lopez Island and is accessed from Upright Channel or Odlin Park Road and is one mile from the Lopez Island ferry landing and three miles from Lopez Village. The park can be accessed from boat or car and offers hiking trails, a ball field, picnic areas, campsites, toilets,

seasonal drinking water, dock and a boat launch.

San Juan County Parks has five moorings and day-use dock, but there is room for additional buoys as proposed. The site offers boaters some protection from the weather with wind and wave exposure from the north and west. Land can be accessed by road, dock or a beach landing. Eelgrass is documented in the area, so transient temporary anchors in this area should be avoided. There is no documented kelp or forage fish spawning at Odlin Park.



Photo: San Juan County

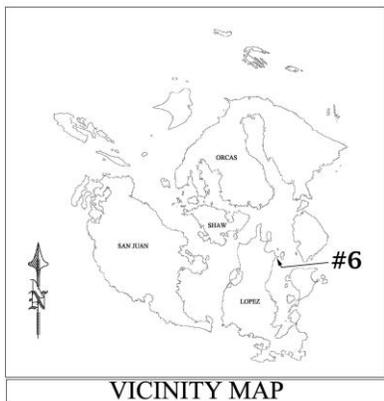


Photo: Jen-Jay, Inc.



Photo: San Juan County





Buoy Location #6A and #6B

SPENCER SPIT NORTH (6A): 48.543°, -122.858°
Propose 8 Moorings- 15' To 20' Deep

SPENCER SPIT SOUTH (6B): 48.534°, -122.851°
Propose 16 Moorings- 15' Deep

Access tax parcel #150 733 001 and
#151 822 001 Washington State Parks

The 200-acre Spencer Spit State Park marine and camping park located on the northeast side of Lopez Island with Swifts Bay to the north and Lopez Sound to the south. The park offers sandy beaches, hiking trails, wildlife viewing, picnic tables, toilets and camping. Full services are available three miles away in Lopez Village.

Washington State Parks has eight moorings on the north side and three to the south of the spit, but there is room to add additional buoys as proposed. Spencer Spit State Park is a good anchorage and reasonably protected from the weather with beach access. The north side is exposed to north wind with a long fetch and waves from vessel traffic, while the south of the spit may be affected by a long fetched south wind. The park is accessible by road or boat with a beach landing. There is documented eelgrass and kelp in the area, so transient temporary anchors in this area should be avoided. There is documented sand lance spawning in the upper intertidal area.

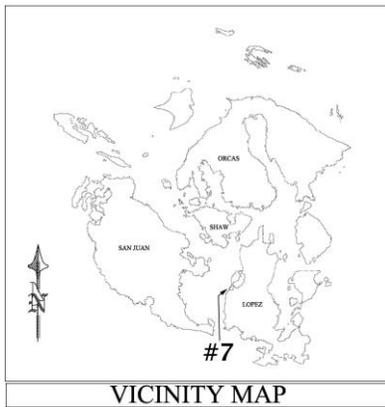


Buoy Location #7

OTIS PERKINS COUNTY PARK: 48.501°, -122.939°

Propose 20 Moorings--- 17' Deep

Access is tax parcel #252 813 002 San Juan County Parks, #252 850 023 and #252 811 001 San Juan County Land Bank and #252 813 001 Washington State Parks



Otis Perkins County Day Park is a slender spit that lies on the east side of San Juan Channel and the west end of Fisherman Bay on the western side of Lopez Island. This park offers long beach walks, wildlife viewing and sunsets over San Juan Island. This day use park is open year-round with a parking area and picnic table. Full services are available along Fisherman Bay and in Lopez Village.

Otis Perkins County Day Park is exposed to the weather with long fetched winds from the north and southwest. Strong currents are possible. The park is accessible by road or boat with a beach landing. There is documented eelgrass in the area and is the location of a submarine cable crossing from Lopez Island to San Juan Island. Transient temporary anchors in this area should be avoided. There is no documented kelp or forage fish spawning in the area.



Photo: Jen-Jay, Inc.



Buoy Location #8

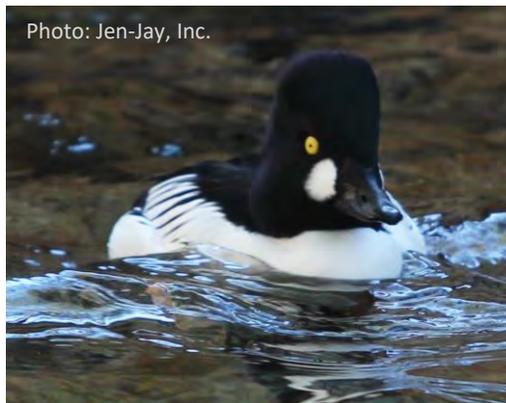
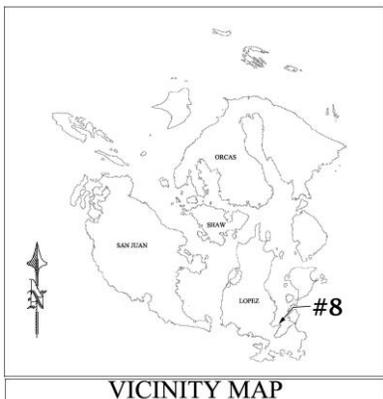
HUNTER BAY: 48.460°, -122.868°
Propose 2 Moorings --- 30' Deep

Access to a county dock at the end of Crab Island Road

Hunter Bay county dock is located at the southeast end of Lopez Island and provides a temporary tie-up location for dinghies. It is accessed from Hunter Bay at the southern end of Lopez Sound, or at the end of Crab Island Road off Islanddale Road. Parking, boat ramp and portable toilet are available. There are no other services at this site, but a general store is

within a couple of miles of the dock.

Private moorings exist but there is room to add additional buoys as proposed. Hunter Bay location is protected from all winds except a north wind with a long fetch. The dock is accessible by road or dinghy. There is documented eelgrass and kelp in the area, so transient temporary anchors in this area should be avoided. This is a documented forage fish spawning area for smelt and herring.

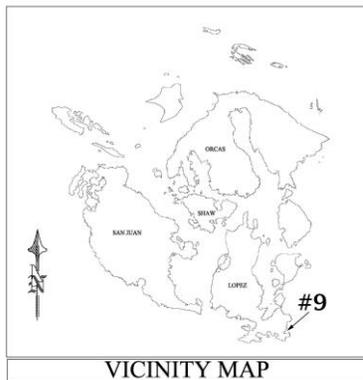


Buoy Location #9

WATMOUGH BAY: 48.432°, -122.809°

Propose 6 Moorings --- 16' Deep

Access is tax parcel #142 121 001, 142 124 001 and 142 124 002
Bureau of Land Management and #142 124 007 San Juan
County Land Bank



Watmough Bay is on the southeast side of Lopez Island and surrounded by 400-acres of protected land, including the San Juan County Land Bank's Watmough Bay Preserve and a portion

of the San Juan Islands National Monument of Chadwick Hill, Point Colville and Watmough Bay, owned by the Bureau of Land Management. The area offers a beach, wetlands, wildlife watching, hiking trails and spectacular views with a parking area, toilet, information kiosk and bike rack. The preserved lands may be reached on Watmough Head Road or from Watmough Bay on the west side of Rosario Strait with a beach landing.

Bureau of Land Management moorings exist but there is room to add additional buoys as proposed. The bay is reasonably protected in most winds except from the northeast, which has a long fetch. The area is approached by land or boat with a dinghy beach landing. There is no documented forage fish spawning in Watmough Bay but there is documented eelgrass and kelp, so temporary transient anchorage should be avoided.



Buoy Location #10

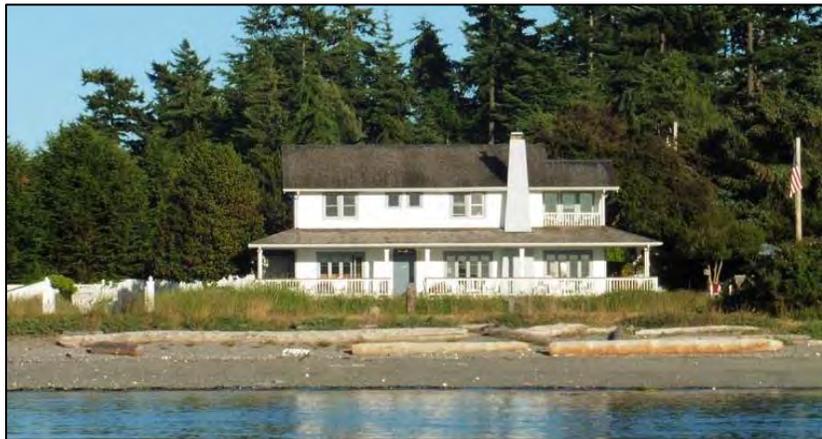
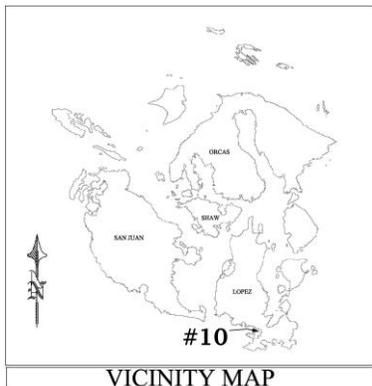
MACKAYE HARBOR: 48.440°, -122.867°
PROPOSE 3 MOORINGS --- 15' DEEP

Access is tax parcel #141 880 005 and #141 855 001 San Juan County Public Works

Mackaye Harbor county ramp is located at the southwest end of Lopez Island and is reachable from Mackaye Harbor or Norman Road off of Mackaye Harbor Road. Parking, boat ramp and portable toilet are available. There are no other services at this

site, but a general store and accommodations are within a mile of the dock. The dock provides a temporary tie-up location for dinghies and access to the county road for walking and biking. The dock is shallow during low water.

The Mackaye Harbor location is protected from most winds, although a southwest swell can enter the bay. The area is accessible by road or by a dinghy dock or beach landing. There is no documented eelgrass in the immediate area of the public boat launch, though eelgrass is about 400 ft to the south. Patchy kelp is in the area. This is a documented forage fish spawning beach for smelt and sand lance.



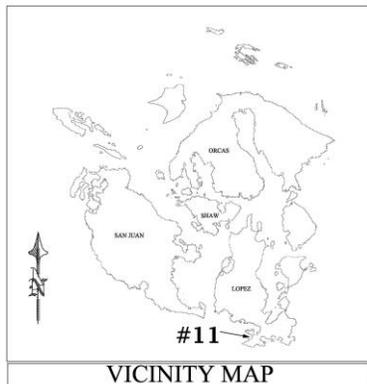
Buoy Location #11

AGATE BEACH: 48.429°, -122.879°

Propose 3 Moorings --- 17' Deep

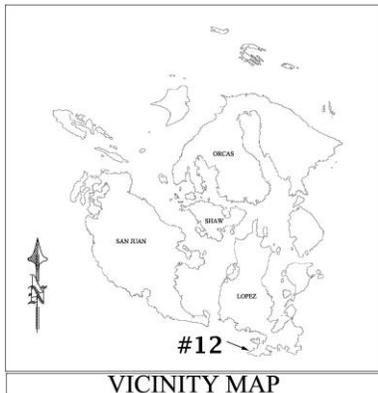
Access is tax parcel #242 413 008 San Juan County Parks

Agate Beach County Park is approached by boat through Outer Bay with a beach landing or car from Mackaye Harbor Road in southwest Lopez Island. The park is close to Iceberg Point and offers a beach with a high bank, large rock accessible at low tide, picnic tables, toilet and parking. This is a day use park open year-round.



The area is exposed to northwest winds and the Strait of Juan de Fuca to the west creates stormy wind and waves, especially in the winter. The park is accessible by road or boat with a beach landing. Patches of eelgrass are documented in the area, so transient temporary anchors in this area should be avoided. There is documented smelt spawning on the beach.





Buoy Location #12

ICEBERG POINT: 48.423°, -122.889°

Propose 4 Moorings --- 15' Deep

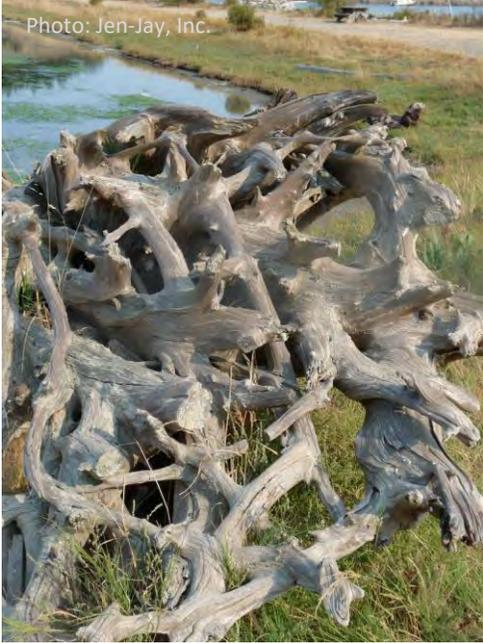
Access is tax parcel #242 432 001 and #242 521 001 Bureau of Land Management and #242 344 001 U.S. Coast Guard

Iceberg Point is a part of the San Juan Islands National Monument and is rocky, rugged shoreline reached by boat or car on Mackaye Harbor Road in southwest Lopez Island. The area offers interpretive panels and information kiosk, spectacular

views, wildlife and wildflower viewing through a network of trails. This is a day use area open year-round with picnic tables, toilet and parking available at Agate Beach.

The point is exposed to the Strait of Juan de Fuca with west and northwest winds with a long fetch. The park is accessible by road or boat with a beach landing. There is documented eelgrass and kelp in the area, so transient temporary anchors in this area should be avoided. Not a documented forage fish spawning area.





MATIA ISLAND

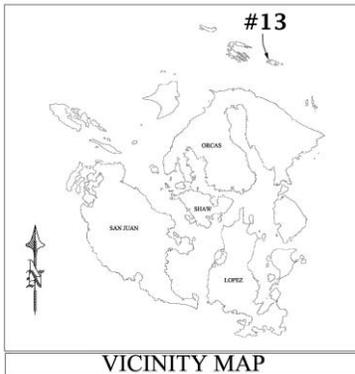


Buoy Location #13

ROLFE COVE: 48.749°, -122.845°

Propose 1 Mooring --- 37' Deep

Access is tax parcel #183 221 001 Bureau of Land Management



Matia Island Marine State Park is a 145-acre marine park accessible by boat only. Rolfe Cove offers access to the island through a seasonal dock or beach landing. Matia Island's use restrictions offers beach access, a picnic site, hiking trail, camping sites and toilets at Rolfe Cove, but the rest of the island is closed

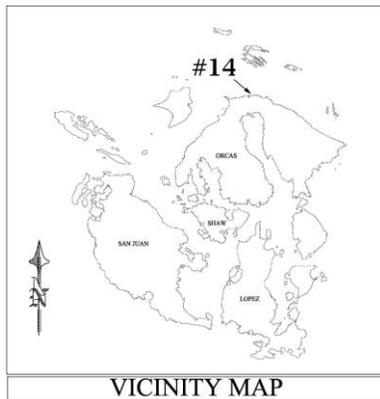
to the public. No garbage, potable water or other services are available. Dogs and open fire are not permitted on the island.

The bay is exposed to west and northwest winds. There is no document forage fish spawning in Rolfe Cove but there are strong currents, a rocky bottom and documented eelgrass and kelp in the area, so temporary transient anchorage should be avoided.



ORCAS ISLAND





Buoy Location #14

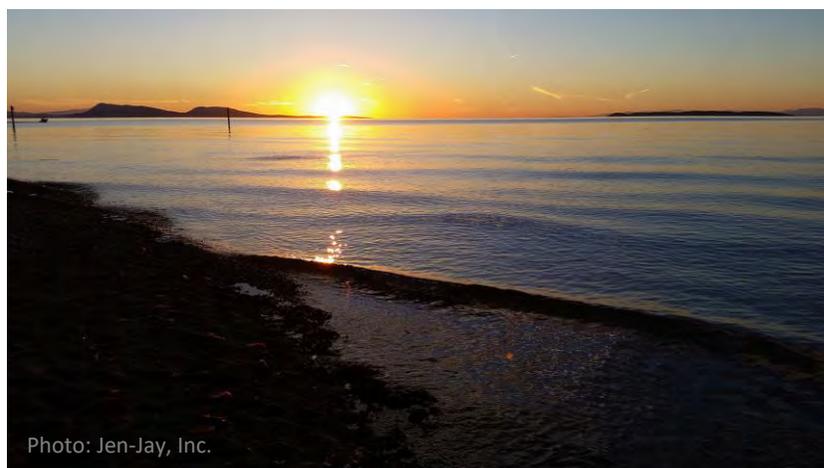
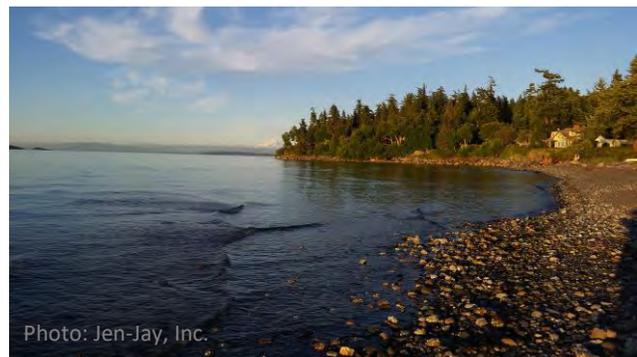
NORTH BEACH: 48.716°, -122.905°

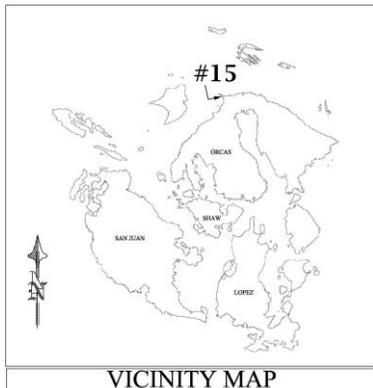
Propose 6 Moorings --- 11' Deep

Access is on North Beach Road.

North Beach is a public gravel beach on the north side of Orcas Island. It can be accessed by land from North Beach Road or by boat from the northeast end of Presidents Channel with a beach landing or accessing the private marina at Brandt's Landing to the west. North Beach is a nice place to watch the sunset and a variety of amenities and services are in the area and one mile away in Eastsound Village.

The beach is exposed to north, northwest and northeast winds, some with a long fetch. Currents can be strong in the area. The beach is approached by land or boat with a dinghy beach landing. There is no documented forage fish spawning in the area, but there is documented eelgrass and kelp, so temporary transient anchorage should be avoided.





Buoy Location #15

POINT DOUGHTY: 48.710°, -122.949°

Propose 4 Moorings --- 50' Deep

Access is tax parcel #270 914 001 and #271 032 001
Washington State Parks

The 57-acre Point Doughty Natural Area Preserve is located on the northwest corner of Orcas Island. The preserve is accessed by boat only with stairs up the high bank and offers beaches, wildlife viewing, picnic tables, toilets and camping. No services are available, but Eastsound Village is a few miles away and offers full services.

Point Doughty juts out into President Channel and is exposed to winds from the southwest, northwest and northeast, all with a long fetch. The area is approached by boat with a beach landing. Eelgrass and kelp are documented throughout the area, so temporary transient anchorage should be avoided. There is no documented forage fish spawning in the immediate area but smelt spawn along the coast to the south.

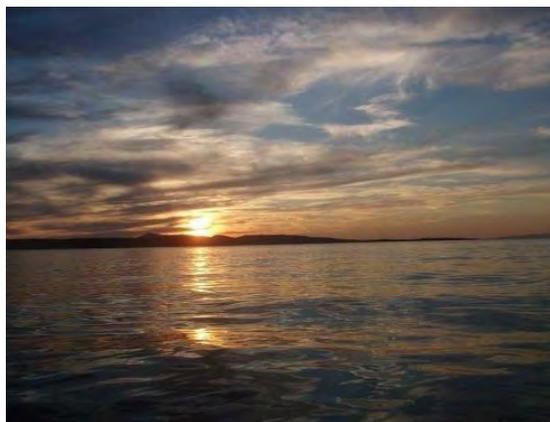


Photo: Jen-Jay, Inc.



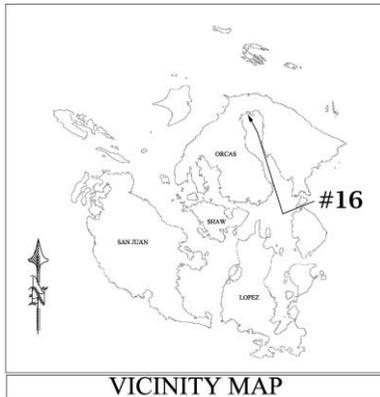
Buoy Location #16

FISHING BAY/ EASTSOUND: 48.682°, -122.906°

Propose 30 Moorings --- 15 - 30' Deep

Access is tax parcel #271 460 066 San Juan County Public Works

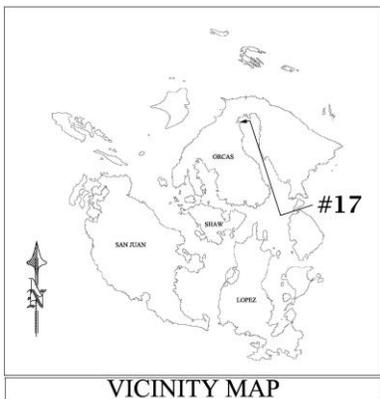
Fishing Bay has direct access to all services in Eastsound Village through the Madrona Point county dock. The seasonal dock is at the end of Haven Road, off Main Street, where some parking is available.



VICINITY MAP

The bay is reasonably protected from most winds, except from the south, which has a long fetch. The area is approached by land or boat to the county dock. There is documented eelgrass and kelp, so temporary transient anchorage should be avoided. This is also a documented forage fish spawning area for herring.





Buoy Location #17

JUDD COVE: 48.685°, -122.920°
Propose 6 Moorings --- 11' Deep

Access is tax parcel #272 214 009 and #272 214 011
San Juan County Land Bank

Judd Cove is on the western side of Fishing Bay in the north end of East Sound. The area can be accessed by land from Fowlers Way off Orcas Road or by boat as a beach landing onto San Juan County Landbank's Judd Cove Preserve.

The cove is reasonably protected in most winds except from the east. The area is approached by land or boat with a beach landing. There is documented eelgrass in the cove, so temporary transient anchorage should be avoided. There is no documented forage fish spawning in Judd Cove, but herring are documented to spawn just to the north of the cove.



Photo: Jen-Jay, Inc.



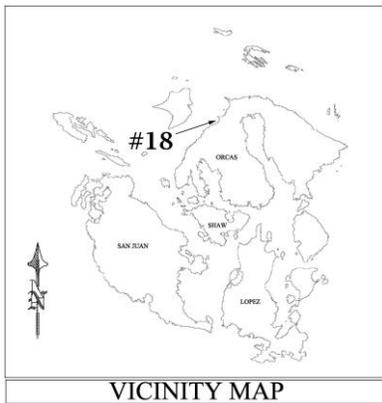
Buoy Location #18

WEST BEACH: 48.689°, -122.964°

Propose 6 Moorings --- 15' Deep

Access is tax parcel #272 121 005 West Beach Resort

West Beach is located on the northwest side of Orcas Island facing Waldron Island. Access on land is from the end of Enchanted Forest Road and by boat to the West Beach Resort's private dock. Limited services are available at the West Beach Resort. Full services are three miles in Eastsound Village.

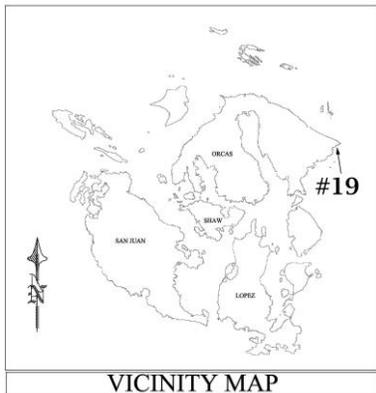


Private moorings exist but there is room to add additional buoys as proposed. The area is on the east side of President Channel, which can experience strong currents. It is also exposed to north and southwest wind, which have a long fetch. The area is approached by land or boat with a private dock landing. There is no documented forage fish spawning but there is documented eelgrass and kelp, so temporary transient anchorage should be avoided.



Photo: Jen-Jay, Inc





Buoy Location #19

PT. LAWRENCE: 48.658°, -122.749°

Propose 3 Moorings --- 30' Deep

Access is tax parcel #173 612 001, #573 122 002 and #573 033 002 Washington State Parks

Point Lawrence is the eastern most point on Orcas Island and the beaches can only be accessed from a boat with a beach landing. The area is undeveloped and wild with sunrises over the Cascade Mountains and views of Lummi Island.

The area is subjected to waves from vessel traffic in Rosario Strait and may have strong currents. This location is exposed to northeast, east and southeast winds, all with a long fetch. The area is accessed from boat only with a beach landing. There is documented kelp in the area, so temporary transient anchorage should be avoided. There is no documented forage fish spawning in the area.



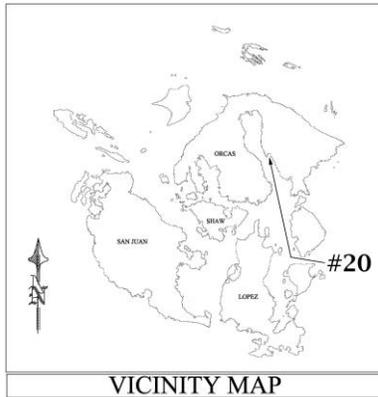
Buoy Location #20

CASCADE BAY: 48.645°, -122.871°

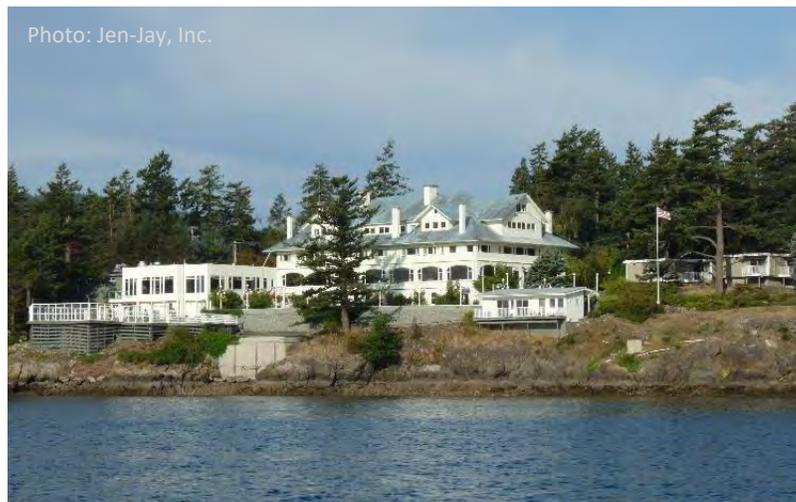
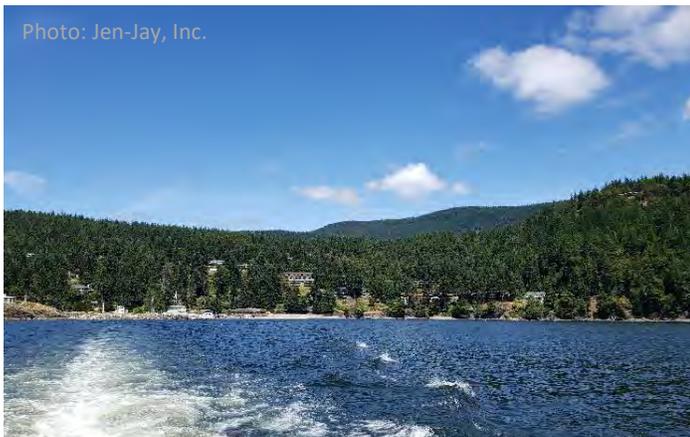
Propose 16 Moorings --- 40' Deep

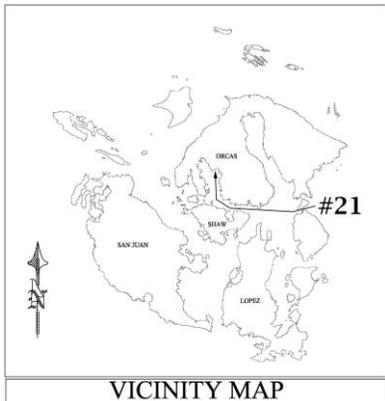
Access is tax parcel #160 621 001 Rosario Resort

Cascade Bay is midway up East Sound and the nearest access to Moran State Park. Land approached is from Rosario Road off Olga Road or by sea with a landing at Rosario Resort's private dock. Limited services are available at Rosario Resort.



The bay is reasonably protected in most winds except from the south, which has a long fetch. The area is approached by land or boat with a private dock landing. There is no documented forage fish spawning in Cascade Bay but there is documented kelp, so temporary transient anchorage should be avoided.





Buoy Location #21

WEST SOUND: 48.630°, -122.960°
Propose 3 Moorings --- 40' Deep

Access is county dock to county road.

The West Sound county dock is located on the east side of West Sound in southwest Orcas Island and may be reached by the Deer Harbor Road or by boat. There are stairs to the beach and limited parking on the street, but no other amenities are available. Limited services are available in West Sound.

Private moorings exist but there is room to add additional buoys as proposed. The area is protected from north wind but is exposed to southeast and south winds with a long south fetch. The area is approached by land or boat with a public dock. There is documented eelgrass and kelp in the area, so temporary transient anchorage should be avoided. This is a documented forage fish spawning area for smelt and herring.



Photo: Jen-Jay, Inc.



Photo: Jen-Jay, Inc.

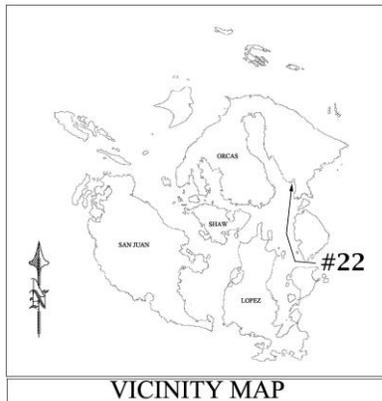


Buoy Location #22

BUCK BAY/ OLGA: 48.612°, -122.835°

Propose 8 Moorings --- 48' Deep

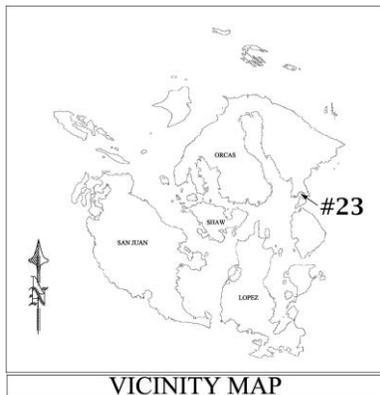
Access is on county dock at county road.



Buck Bay is a shallow, muddy bay on the east end of East Sound. Good mooring sites exist to the west of the opening to Buck Bay in the area around the Olga public dock. Most services are available in Olga, which can be reached from land on the Olga Road or accessed by sea via the public dock.

Private moorings exist but there is room to add additional buoys as proposed. The area is reasonably protected, except from southeast winds that can generate a long fetch. The area is approached by land or boat with a dock landing. Eelgrass and kelp are documented and a submarine cable crossing between the two lobes of Orcas Island is in the area, so temporary transient anchorage should be avoided. This is a documented forage fish spawning area for smelt.





Buoy Location #23

OBSTRUCTION PASS: 48.601°, -122.827°

Propose 3 Moorings --- 35' Deep

Access is tax parcel #161 650 110

San Juan County Public Works

Obstruction Pass county dock is reached by boat from Obstruction Pass off Rosario Strait in the east or Harney Channel in the west, or on land by Obstruction Pass Road. The facilities offers a boat ramp, pubic dock, portable toilets and parking.

Limited services are available at Lieber Haven Resort.

Private moorings exist but there is room to add additional buoys as proposed. The area is protected from north wind but is exposed to southeast and southwest winds, both with a long fetch.

Obstruction Pass does experience strong currents. The area is approached by land or boat with a public dock landing. There is no documented forage fish spawning in area but there is documented eelgrass, so temporary transient anchorage should be avoided.



Buoy Location #24

OBSTRUCTION PASS STATE PARK: 48.601°, -122.827°
Propose 3 Moorings --- 35' Deep

Access is tax parcel #161 631 001 Washington State Parks

The 76-acre Obstruction Pass State Park is located on the western side of Obstruction Pass on the southeast side of Orcas Island. The park is accessed from Trailhead Road off Obstruction Pass Road or by boat from the east side of the confluence of Harney Channel and East Sound with a beach

landing and offers a pebble beach, hiking trails, wildlife viewing, picnic tables, toilets and camping. Partial services are available three miles away in Olga and full services are ten miles in Eastsound Village.

Washington State Parks has three moorings but there is room to add additional buoys as proposed. The bay is reasonably protected in most winds, except from the south and southeast with a long fetch. The area is approached by land or boat with a beach landing. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented and a submarine cable crossing from Blakely Island to Orcas Island is one mile away, so temporary transient anchorage should be avoided.

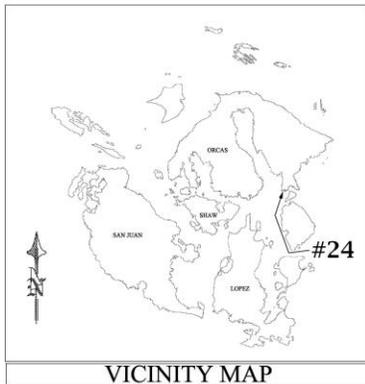


Photo: Jen-Jay, Inc.



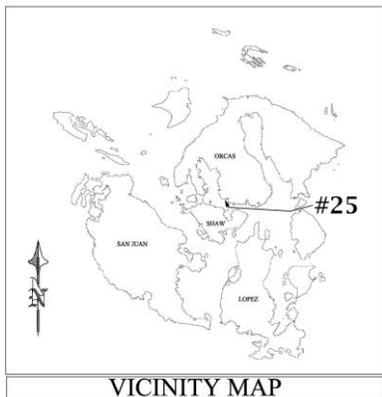
Photo: Jen-Jay, Inc.



Photo: Jen-Jay, Inc.



Buoy Location #25A and #25B



ORCAS EAST (25A): 48.597°, -122.942°

Propose 2 Moorings --- 30' Deep

ORCAS WEST (25B): 48.597°, -122.945°

Propose 1 Mooring --- 10' Deep

Access is tax parcel #262 222 014

San Juan County Public Works

Orcas Village is on the southwest side of Orcas Island and can be reached by land from Orcas Road or by boat from Harney Channel between Orcas and Shaw Islands. Limited services are available in Orcas Village, which are accessed by a public dock to the west of the Washington State ferry landing.

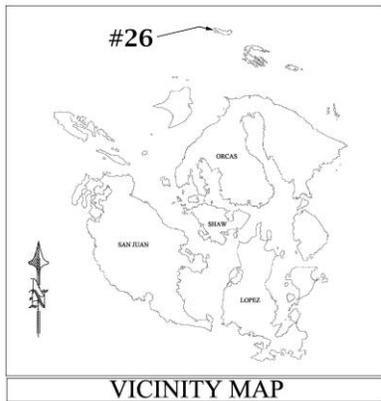
The area is exposed to waves from ferries and other vessel traffic, as well as west and south winds. The area is approached by land or boat with a dock landing. There is documented eelgrass throughout the area and kelp in the west along the rocky shore. Submarine cable crossings from Orcas Island to Shaw Island are in the area, as well as a treated sewer outfall pipe, so temporary transient anchorage should be avoided. There is no documented forage fish spawning west of the ferry landing but sand lance spawn to the east of the landing.





PATOS ISLAND





Buoy Location #26

ACTIVE COVE: 48.786°, -122.969°
Propose 3 Moorings --- 15'-35' Deep

Access is tax parcel #281 614 001 Bureau of Land Management Patos Island Marine Park offers 207 acres of rugged coastline, dense forest and a lighthouse. The park has hiking trails, picnic tables, camping and toilets. There is no water or other amenities available. Patos Island is northwest of Orcas Island in the Strait of Georgia and is only accessible by boat with a beach landing.

A couple of Washington State Parks mooring buoys exist but there is room to add additional buoys as proposed. Active Cove can have strong currents and is exposed to northwest wind with a long fetch. The area is accessible by boat with a beach landing. There is no documented forage fish spawning but there is documented eelgrass and kelp in the area, so temporary transient anchorage should be avoided.



SAN JUAN ISLAND



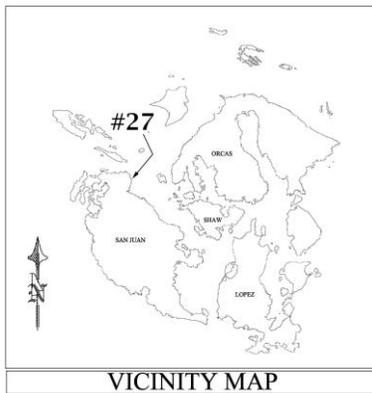
Buoy Location #27

REUBEN TARTE COUNTY PARK: 48.614°, -123.098°
Propose 2 Moorings --- 40' Deep

Access is tax parcel #361 733 005 San Juan County Parks

Reuben Tarte Park is on the northeast end of San Juan Island at the convergence of Spieden Channel and San Juan Channel. The county park may be accessed from a beach landing or by driving on San Juan Drive off of Limestone Point Road. The small county park has a parking area, portable toilet and a trail to the beach. No other services are available on site. Full services are three miles in Roche Harbor.

The area is exposed to winds, especially from the southeast and northeast, both with a long fetch. The park is accessed by boat with a beach landing or by road. There is no documented forage fish spawning in the area, but kelp is documented, so temporary transient anchorage should be avoided.



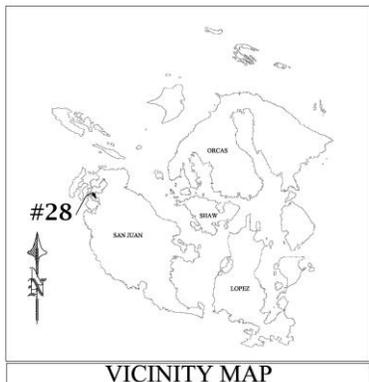
VICINITY MAP



Buoy Location #28

GARRISON BAY: 48.590°, -123.160°
Propose 12+ Moorings --- 15-21' Deep

Access is tax parcel #462 611 001 US National Park Service



Garrison Bay is approached through Mosquito Pass off Haro Strait and the southwest end of Westcott Bay on the northwest corner of San Juan Island. The bay accesses the English Camp portion of the San Juan Island National Historical Park, which can also be reached by car from West Valley Road. The day-use National

Park has parking, bathrooms and extensive trails that join a network of trails in the area. Boaters can use the dinghy dock or do a beach landing.

The bay is shallow and reasonably protected in most winds. The area is approached by land or boat with a dinghy dock or beach landing. There is documented eelgrass in the bay, so temporary transient anchorage should be avoided. Smelt and herring forage fish are documented to spawn throughout the region.



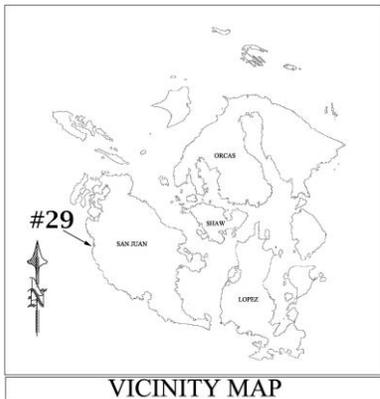
Photo: Jen-Jay, Inc.



Photo: Jen-Jay, Inc.



Buoy Location #29A and #29B



SMALLPOX BAY NORTH (29A): 48.544°, -123.162°

Propose 2 Moorings --- 32' Deep

SMALLPOX BAY SOUTH (29B): 48.540°, -123.161°

Propose 2 Moorings --- 15' Deep

Access is tax parcel #451 131 001 San Juan County Parks

San Juan County Park is located on the west coast of San Juan Island and incorporates Smallpox Bay. This 12-acre park has stunning views of Haro Strait and offers beaches, bluffs, wildlife viewing, boat launch, camping, picnic tables, water and toilets. The park is accessed off West Side Road or a beach landing or county boat ramp at Smallpox Bay.

Smallpox Bay is exposed to northwest and southwest wind, both with a long fetch. The area is accessible by road or boat with a beach landing. There is no documented forage fish spawning but there is documented eelgrass and kelp in the area, so temporary transient anchorage should be avoided.



Buoy Location #30

DEADMAN BAY: 48.512°, -123.145°

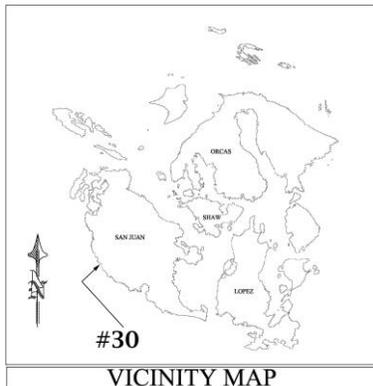
Propose 4 Moorings --- 40' Deep

Access is tax parcel #452 314 001 Washington State Parks and #452 431 006 and #452 311 001 SJC Land Bank

Lime Kiln Point State Park may be reached from land via West Side Road or by boat from Deadman Bay off Haro Channel on the west side of San Juan Island. Lime Kiln Point State Park can be accessed with beach landings on to San Juan County Land

Bank's Limekiln Preserve to the north and Deadman Bay Preserve to the south. The park and preserves offer numerous hiking trails, beaches, bluffs, wildlife viewing, parking, picnic tables, camping and toilets.

Deadman Bay is reasonably protected from wind, except from west and southwest winds with a long fetch. The area can have strong currents. This location is approached by land or boat with beach landings. There is no documented forage fish spawning in the area, but kelp is documented, so temporary transient anchorage should be avoided.

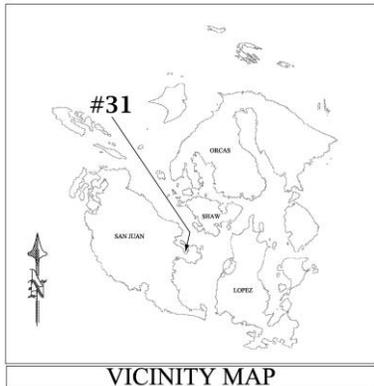


Buoy Location #31

SHIPYARD COVE: 48.528°, -122.998°

Propose 3 Moorings --- 36' Deep

Access is tax parcel #351 341 008 Washington DNR
and #351 341 005 and #351 341 006 Port of Friday Harbor



Shipyard Cove is adjacent to and southeast of Friday Harbor on the east side of San Juan Island. The newly acquired property by the Port of Friday Harbor will open access to the marina with parking and other to be announced amenities. The area is

reached on land by Turn Point Road or by boat from the southeast end of San Juan Channel via Friday Harbor. Full services are a mile away in the town of Friday Harbor.

The cove is reasonably protected except from north winds. The area is accessed by road or boat with a marina landing. There is no documented forage fish spawning in the area. However, eelgrass and some kelp are documented, so temporary transient anchorage should be avoided.

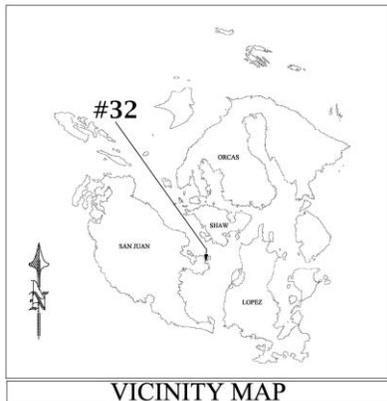


Buoy Location #32

KANSAS COVE: 48.530°, -122.977°

Propose 8 Moorings --- 11' Deep

Access is tax parcel #251 722 001 Bureau of Land Management and #251 852 029 San Juan County Parks



Small watercraft can be launched into Kansas Cove from the San Juan County Turn Point Park. The park has a parking area and beach access and is reached from Turn Point Road two miles east of Friday Harbor on San Juan Island. The 35-acre Turn Island Marine State Park is located between Kansas Cove and

San Juan Channel off the east coast of San Juan Island. The park can only be accessed from the water as a beach landing, and offers a pebble beach, hiking trails, wildlife viewing, toilets and camping. Full services are two miles west in the town of Friday Harbor.

Washington State Parks has three moorings but there is room to add additional buoys as proposed. The cove is exposed to most winds, especially from the east and north. The state park is approached by boat with a beach landing. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.

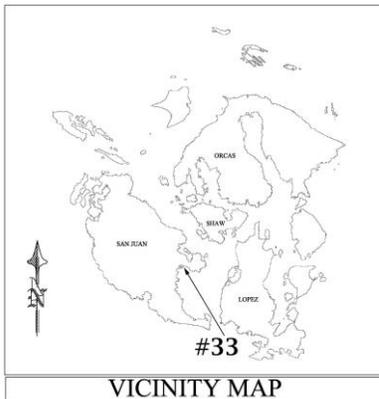


Buoy Location #33

JACKSON BEACH: 48.518°, -123.009°

Propose 12 Moorings --- 11' Deep

Access is tax parcel #352 421 003 Port of Friday Harbor
and #352 412 001 San Juan County



Jackson Beach Park is accessed from land on Jackson Beach Road off of Pear Point Road. A boat ramp or beach landing from North Bay, north of Griffin Bay and west of the south end of San Juan Channel is available by boat. The park has ample parking,

bathrooms, a boat ramp, picnic tables with fire pits and beach access. Full services are two miles in the town of Friday Harbor.

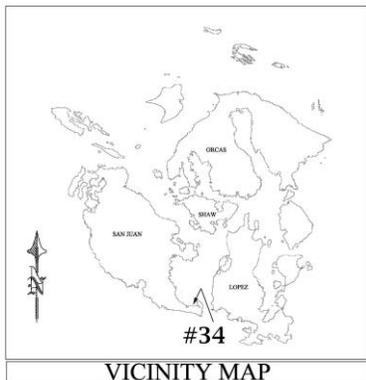
North Bay is exposed to most winds, especially from the southeast. The park is approached by road or boat with a boat ramp or beach landing. Eelgrass and kelp are documented, so temporary transient anchorage should be avoided. There is documented sand lance spawning in the upper intertidal area of Argyle Lagoon and smelt spawn along the sandy beaches.



Buoy Location #34

THIRD LAGOON: 48.463°, -122.975°
Propose 6 Moorings --- 16-30' Deep

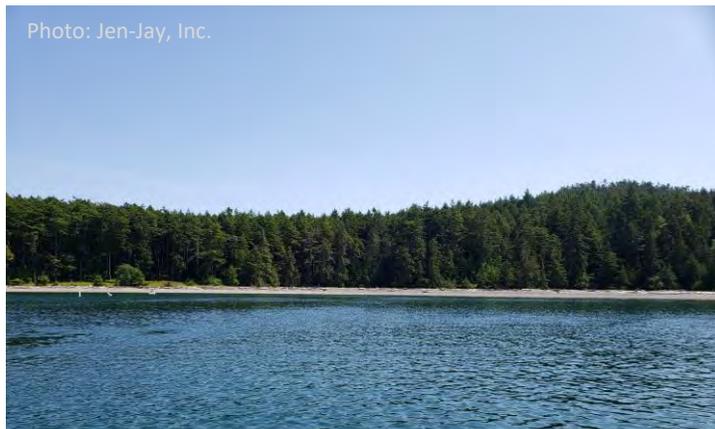
Access is tax parcel #240 711 001 US National Park Service and #240 822 006 SJC Land Bank



The small recessed beach at Third Lagoon on the north side of Cattle Point, south side of Griffon Bay and the southeast end of San Juan Island offers access to a complex of trails managed as the San Juan County Land Bank's Third Lagoon Preserve,

Washington State DNR Cattle Point Natural Resources Conservation Area, San Juan Island National Monument and San Juan Island National Historical Park. Services in the area are limited. Access is along Cattle Point Road or a beach landing.

This area is exposed to north winds with a long fetch. The area is accessible by road or boat with a beach landing. There is no documented forage fish spawning, but there is documented eelgrass and kelp in the area. In addition, community desalination water lines with marker floats are to the east, so temporary transient anchorage should be avoided.

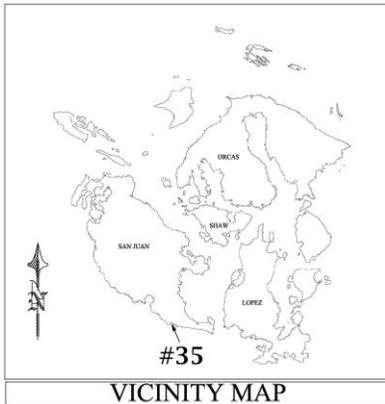


Buoy Location #35

EAGLE COVE: 48.460°, -123.031°

Propose 3 Moorings --- 20' Deep

Access is tax parcel #341 111 001 National Park Service and #341 150 010 San Juan County Parks



Eagle Cove on the southern end of San Juan Island adjacent to Haro Channel offers access to beach landings at Eagle Cove Park off Eagle Cove Drive or the beach at Grandmas Cove in the San Juan National Historical Park. The small county park has a parking area and a trail to the beach. A beach landing at

Grandmas Cove accesses the trail system in the National Park. No services are available at this cove. Full services are six miles north in the town of Friday Harbor.

The cove is exposed to winds from the south and southeast with a long fetch. The area is accessed by car or boat with a beach landing. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.



SHAW ISLAND



Buoy Location #36

INDIAN COVE: 48.562°, -122.935°

Propose 6 Mooring --- 15' Deep

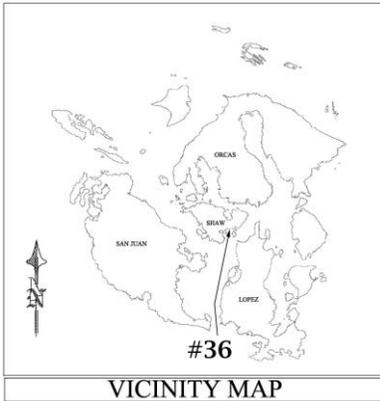
Access is tax parcel #263 431 001 San Juan County Parks

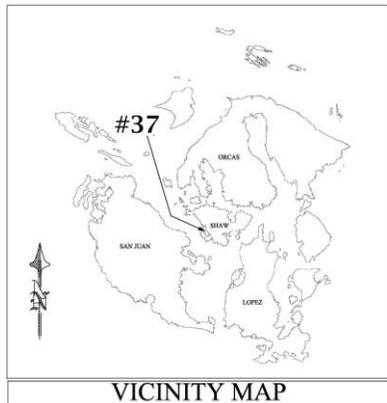
Indian Cove on the southeast of Shaw Island can be reached from Upright Channel with a sandy beach landing. Shaw County Park is a small park reached by car from Squaw Bay Road or from a beach landing and offers a ball field, picnic area, camping, toilets, seasonal water, boat ramp and beach access.

San Juan Preservation Trust's Graham Preserve, adjacent to the

county park, has woodland trails. No services are available at this cove and limit amenities are on Shaw Island.

The cove is exposed to winds from the south with a long fetch. The area is accessed by car or boat with a beach landing. There is no documented forage fish spawning in the area, but eelgrass is documented, so temporary transient anchorage should be avoided.





Buoy Location #37

PARKS BAY: 48.560°, -122.976°
Propose 6 Mooring --- 17'-30' Deep

Access is tax parcel #250 511 003 San Juan Preservation Trust

Parks Bay on the southwest side of Shaw Island and on the east side of San Juan Channel offers tranquility. Most of the land surrounding Parks Bay is owned by the University of Washington and managed as a scientific research area with restrictions. At this time there is no public access to the shoreline, although San Juan Preservation Trust owns a dock.

The cove is protected from most wind, except from the northwest. The area is accessed by boat only with no shoreline access at this time. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.





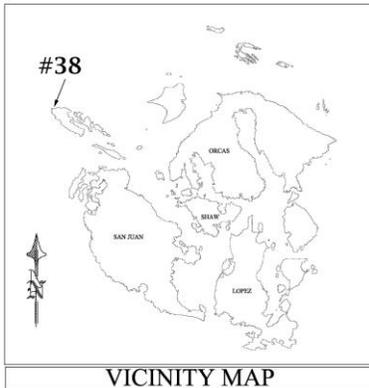
STUART ISLAND



Buoy Location #38

TURN POINT: 48.689°, -122.234°

Propose 3 Mooring --- 23' Deep



Access is tax parcel #472 032 001 Bureau of Land Management

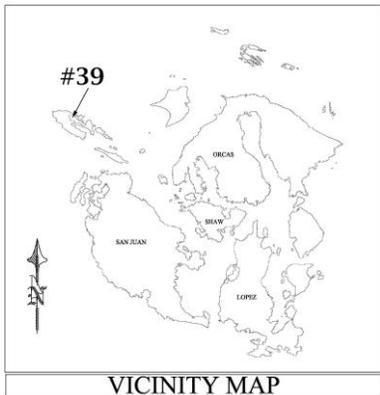
Turn Point on Stuart Island is accessible by boat only with a dock landing in Prevost or Reid Harbors, then a hike across the island. The Stuart Island Marine State Park offers beach access, a picnic site, hiking trail, camping sites and toilets and seasonal water.

The Turn Point Lighthouse is part of the San Juan Islands

National Monument. The site offers wildlife viewing and hiking trails year-round and the lighthouse, museum and bathrooms are open seasonally.

Turn Point can have strong currents, waves from passing vessels and is exposed to most winds, especially northwest wind with a long fetch. The area is accessible by boat with a dock landing with a hike across the island. There is no documented forage fish spawning but there is documented kelp in the area. Due to deep water and a rocky bottom, temporary transient anchorage should be avoided.





Buoy Location #39

PREVOST HARBOR: 48.684°, -122.207°

Propose 6 Moorings --- 37' Deep

Access is tax parcel #472 813 001 Washington State Parks

The 85-acre Stuart Island Marine State Park is located in the center of Stuart Island. The park is accessed by boat only with a dock landing and offers pebble beaches, hiking trails, wildlife viewing, picnic tables, toilets, camping and seasonal water. No garbage or other services are available.

Washington State Parks has seven moorings but there is room to add additional buoys as proposed. The bay is reasonably protected in most winds, except from the northeast with a long fetch. The area is approached by boat only with a dock landing. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.





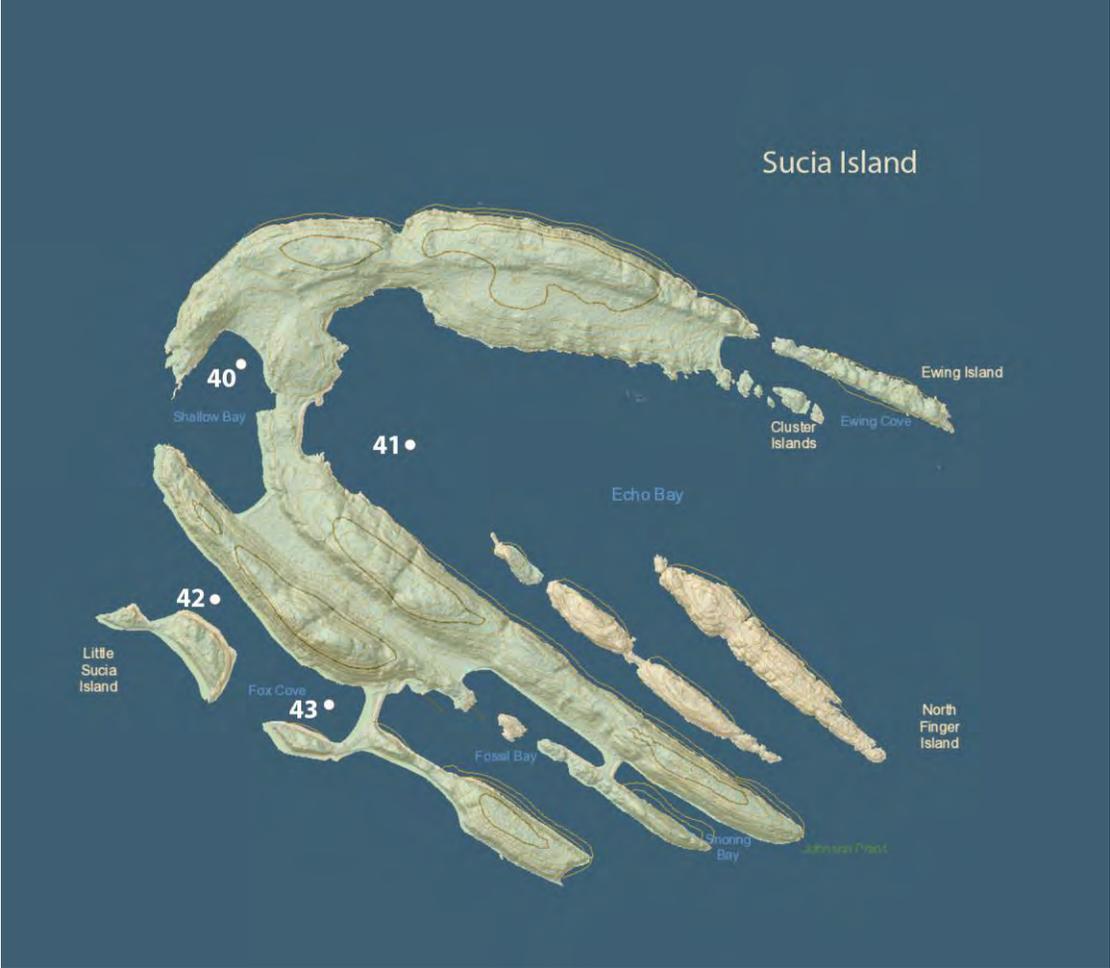
Photo: Jen-Jay, Inc.

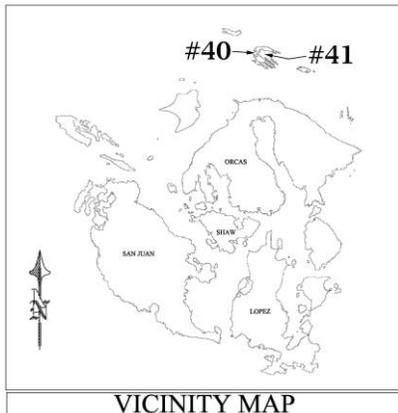


Photo: Jen-Jay, Inc.



SUCIA ISLAND





Buoy Location #40 and #41

SHALLOW BAY: 48.764°, -122.916°

Propose 2 Moorings --- 15' Deep

ECHO BAY: 48.761°, -122.909°

Propose 20 Moorings --- 30' Deep

Access is tax parcel #282 350 001 Washington State Parks

The 814-acre Sucia Island Marine State Park is located north of Orcas Island. The two mooring sites are centrally located in the west and accesses by boat only with beach landings. The small isthmus between the two bays includes beaches, hiking trails, picnic tables, toilets, camping and seasonal water. No garbage or other services are available.

Washington State Parks has eight moorings in Shallow Bay and fourteen buoys and tow linear moorage systems in Echo Bay, but there is room to add additional buoys as proposed. Shallow Bay is reasonably protected in most winds, except from the west with a long fetch. Echo Bay is exposed to east winds. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.

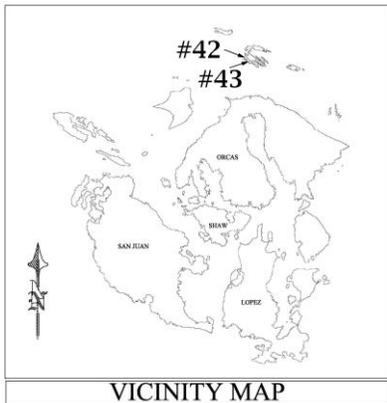


Photo: Jen-Jay, Inc.



Photo: Jen-Jay, Inc.





Buoy Location #42 and #43

LITTLE SUCIA ISLAND: 48.756°, -122.917°
Propose 2 Moorings --- 35' Deep

FOX COVE: 48.754°, -122.914°
Propose 3 Moorings --- 17- 30' Deep

Access is tax parcel #282 431 001, #282 531 001
and #282 642 001 Washington State Parks

The 814-acre Sucia Island Marine State Park is located north of Orcas Island. The two mooring sites are on the southwest side of the island and accesses by boat only with beach landings. Little Sucia Island is reached with a beach landing and has no amenities. Fox Cove shares amenities with Fossil Bay and offers access to beaches, hiking trails, picnic tables, toilets, camping and seasonal water. No garbage or other services are available.

Washington State Parks has four moorings in Fox Cove but there is room to add additional buoys as proposed. Both mooring sites are reasonably protected in winds, except from the northwest and southeast. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.





Photo: Jen-Jay, Inc.



Photo: Jen-Jay, Inc.



Photo: Jen-Jay, Inc.



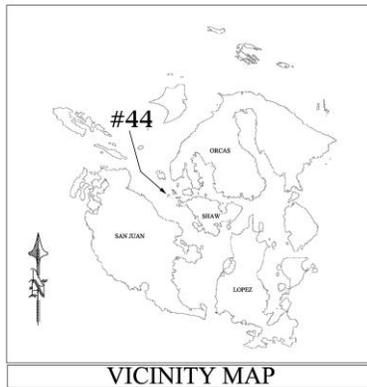
Photo: Jen-Jay, Inc.



YELLOW ISLAND



Buoy Location #44A and #44B



YELLOW ISLAND NORTH (44A): 48.591°, -122.030°
Propose 2 Moorings --- 30' Deep

YELLOW ISLAND SOUTH (44B): 48.591°, -122.031°
Propose 2 Moorings --- 40'-50' Deep

Access is tax parcel #362 432 001 The Nature Conservancy

This 11-acre island preserve is part of the Wasp Islands southwest of Orcas Island and northwest of Shaw Island on the east side of San Juan Channel. The island is known for its abundance of spring flowers. Yellow Island Preserve has access restrictions and is only reached by boat with a beach landing on the southeast beach. The island has no amenities. Deer Harbor is 2.5 miles to the northeast with limited services.

Both mooring sites are exposed to winds from all directions, some with a long fetch. The area is accessed by boat only with a beach landing. There is no documented forage fish spawning in the area, but eelgrass and kelp are documented, so temporary transient anchorage should be avoided.



CONCLUSION

One of the goals of San Juan County is to encourage the public to visit the islands and experience the beauty and grandeur the islands have to offer. Immersion into nature and discovering the uniqueness of the San Juan Islands helps to foster appreciation, understanding and a desire to conserve this valuable ecosystem.

Tourism is already a booming industry within the county. Encouraging visitors from outside San Juan County to enjoy our islands brings additional commerce to the local communities within the county but can also take a toll on our sensitive vegetated shallows. Eelgrass (*Zostera marina*) and kelp are common in San Juan County and are generally known to be valuable habitat for forage fish, as well as a nursery ground for numerous species of other valuable and protected fish species such as endangered rockfish and salmon. Loss of eelgrass and kelp habitat can play a significant role in the degradation of the nearshore marine food web and lead to population declines in numerous sensitive species. Eelgrass and kelp habitats are extremely sensitive to repeat anchor strikes; and the potential of dragging an anchor carries a high risk for substantial habitat damage.

The San Juan County Public Mooring Buoy Project aims to protect fragile nearshore habitats by providing, and fulfilling, the county’s “leave no trace” policy by installing environmentally compatible mooring buoys. Placement of buoys in sensitive and popular areas is anticipated to reduce the damage that individual transient boat anchors may cause and increases access to sites for all boaters.

Mooring buoys will be installed in phases:

Phase One

The first phase addresses sites managed by San Juan County or Washington State Parks that may not have adequate moorings in sensitive habitat areas. The following list is in order of importance of perceived need. The number of mooring buoys may be altered based on budget restraints:

SITES	MOORINGS
Fishing Bay/ Eastsound (#16)	10
Watmough Bay (#9)	6
Jackson Beach (#33)	6
Point Doughty (#15)	4
Otis Perkins Park (#7)	4
Garrison Bay (#28)	6
Third Lagoon (#34)	3
Reuben Tarte Park (#27)	2

