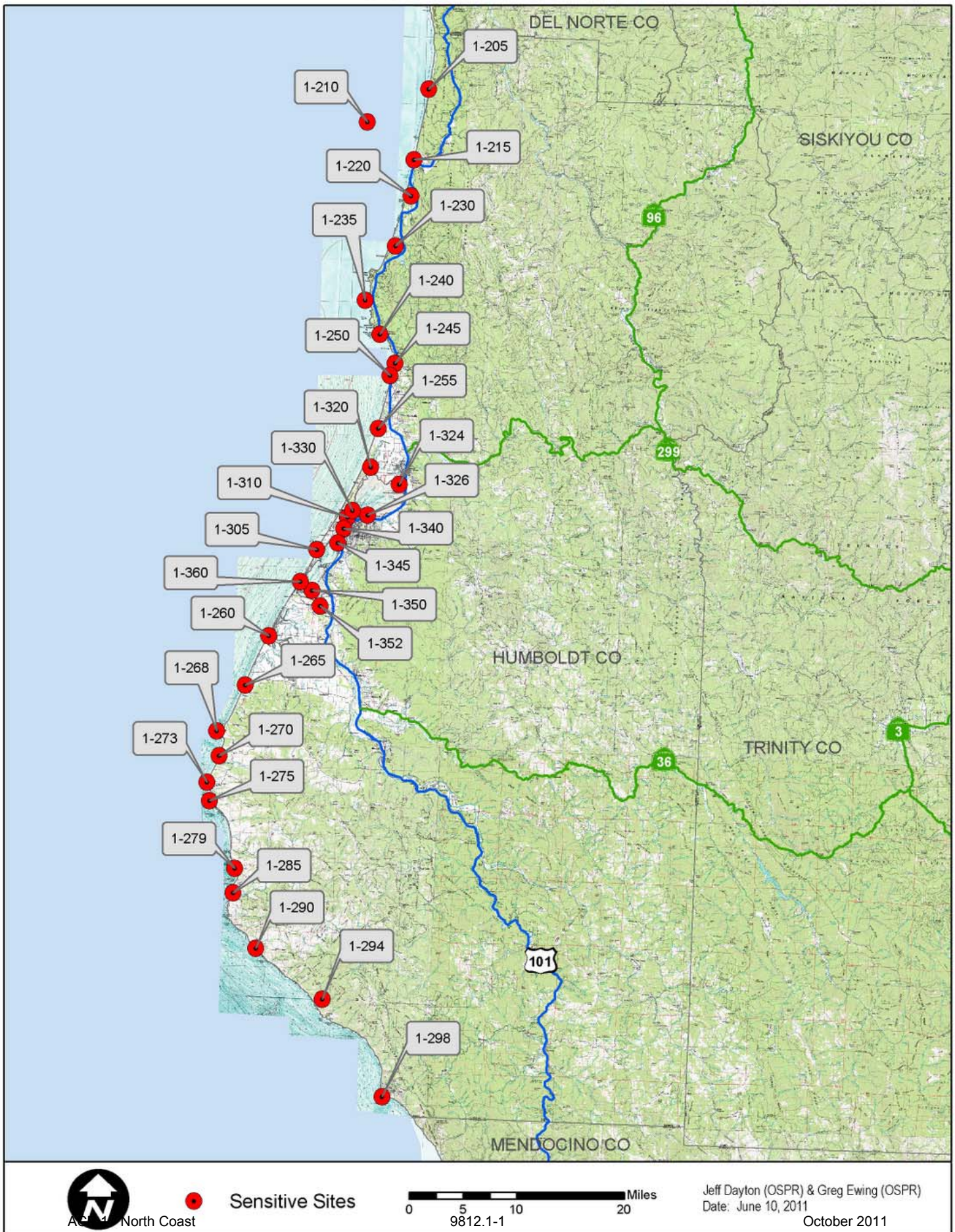


ACP 1 - Humboldt County Sensitive Sites



North Coast



Sensitive Sites

0 5 10 20 Miles
9812.1-1

Jeff Dayton (OSPR) & Greg Ewing (OSPR)
Date: June 10, 2011
October 2011

9812.1 Humboldt County Coast Sensitive Sites

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9812.2 Humboldt County Operational Divisions 67

County: **Humboldt**
 USGS Quad: **Fern Canyon**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N
 41 24'
 Longitude W
 124 04'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Gold Bluffs Beach is within Prairie Creek Redwoods State Park. This park, along with Del Norte Coast, Jedediah Smith, and the National Park Service's Redwood National Park, are managed cooperatively by the National Park Service and the California Department of Parks and Recreation. Gold Bluffs Beach is a pristine public beach that stretches from Carruthers Cove at the north end to Mussel Point in the south. The area is mostly comprized of wide sandy beaches where oil clean up would be fairly straight forward. Espa Lagoon is located here, but far enough from the beach that impacts are unlikely. There is a beach road and considerable large woody debris between the beach and lagoon.

SEASONAL and SPECIAL RESOURCE CONCERN

This is a popular camping destination with lots of public use in the dry months.

RESOURCES OF PRIMARY CONCERN

Sensitive dunes and pocket dune wetlands.

Snowy plover (FT)(01-12), nesting (03-09)

Marbled murrelet (FT, SE)(01-12) feed in open waters.

Brown pelicans, Caspian terns, and various gulls loaf on the beach.

Peregrine falcons nest on bluffs

Canada geese (01-12), nest in ponds and lagoons along the beach, especially near Ossagon Rock

Occassional elephant seal haul out, especially pups (05-07)

The back dunes provide grazing opportunities for Roosevelt Elk.

Coastal cutthroat trout (SSC) in tributaries and lagoons along the beach

Surfperch spawn (4-6)

Surf smelt spawn (5-7)

Plants of concern if heavy equipment is used include pink sand verbena (CNPS List 1B.1) and Wolf's evening primrose (CNPS List 1B.1)

Native dune vegetation including restoration areas.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O	On Duty Supv. Ranger	NORCOM State Parks Dispatch 24-hours	(916) 358-1300
T		Redwood National & State Parks	(707) 464-6101
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-205 -A Site Strategy - Gold Bluffs Beach

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-205 -A

Latitude N

41 24'

Longitude W

124 04'

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

This is an important public recreational area that can be difficult to access in winter when the single lane dirt road becomes tricky to drive on. Oil clean up from the sandy beaches would require either heavy earth moving equipment or lots of laborers to pick up stranded oil. Any activity would need to be coordinated with the Redwood National & State Parks to avoid conflicts with wildlife or park users. Large woody debris accumulated at the mouth of Espa Lagoon may need to be addressed. Several small streams including Ossagon, Home, Squashan, Espa, and Major Creeks may require some boom seasonally to prevent oil from coming inland.

HAZARDS and RESTRICTIONS:

The road from Hwy 101 to the beach is narrow, winding, and mostly unpaved. This road may have closures due to wash outs, flooding, and/or slides. Redwood National & State Parks should be able to advise. Beach access in winter is limited south of Major Creek.

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special No and	Equipment or kinds	comment	staff deploy	Staff tend
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LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. Hwy 101 to Davidson Road M.P. 123.82. Go west to Gold Bluffs Beach. The road to the beach is unpaved for 3.2 miles. Gold Bluffs Beach is within Prairie Creek Redwoods State Park. This park, along with Del Norte Coast, Jedediah Smith, and the National Park Service's Redwood National Park, are managed cooperatively by the National Park Service and the California Department of Parks and Recreation.

LAND ACCESS: Davidson Rd may require 4-wheel drive in wet season. Foot trails also.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

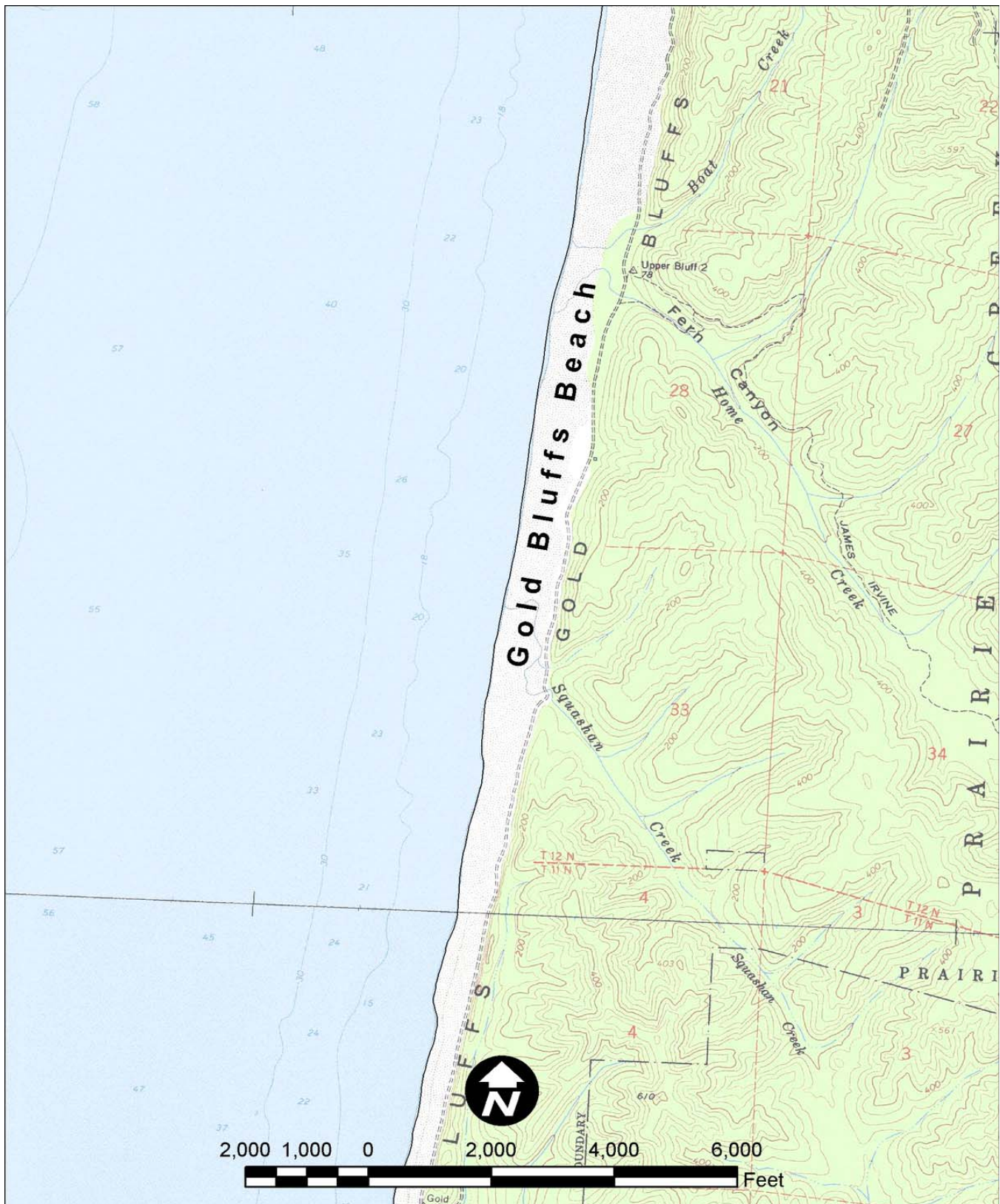
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

There are camping areas inside of the park which could serve as staging areas for local beach response purposes.

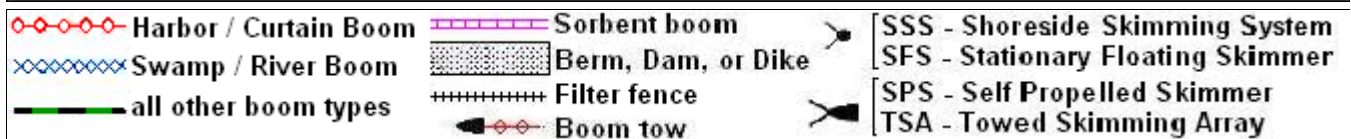
COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS: Locked gates to beach.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site: 1-205 Site Name: Gold Bluffs Beach

Jeff Dayton (OSPR) & Greg Ewing (OSPR)
 Date: March 8, 2011



County: **Humboldt**
 USGS Quad: **Orick**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N Longitude W
 41 20' 30" 124 05' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Redding Rock (also known as Reading Rock) is managed as part of the California Coastal National Monument by the Bureau of Land Management. Redding Rock is a large offshore rock that is 7.25 miles west northwest of Orick and 5 miles offshore.

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Seabirds: Common murre, Brandt's cormorant, Western gull, Pigeon guillemot

Steller's sea lion (FT)(01-12) in low numbers

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O	On Duty Supv. Ranger	NORCOM State Parks Dispatch 24-hours	(916) 358-1300
E		Redwood National & State Parks	(707) 464-6101
T	Randy Brown	US Fish and Wildlife Service	(707) 822-7201
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-210 -A Site Strategy - Redding Rock

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-210 -A

Latitude N

Longitude W

41 20' 30 124 05' 30"

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Overflights and response vessels should give this rock a wide berth to avoid flushing birds and marine mammals from off of the rock. The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Offshore rock with steep sides. Seas can be dangerous. Extreme currents, high energy shoreline. Other offshore rocks in area.

SITE STRATEGIES

The site is 5 miles from the mainland and the ocean currents and waves can be large and unpredictable. This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no tvpe and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
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LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

No access. Rock lies approximately 6 miles offshore. Boat access limited due to steep sides. Survey area by helicopter. Redding Rock (also known as Reading Rock) is managed as part of the California Coastal National Monument by the Bureau of Land Management.

LAND ACCESS: None

WATER LOGISTICS:

Vessels are discouraged from landing personnel on this rock.

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The nearest staging area in on the mainland at the Redwood National & State Park's Thomas H. Kuchel Visitor Center near Redwood Creek or at their South Operations Center (SOC) in Orick.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS: Offshore rocks can contain copious amounts of seabird guano. APR, gloves, and Tyvex



County: **Humboldt**
 USGS Quad: **Orick**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N Longitude W
 41 17' 35" 124 05' 25"W

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Redwood Creek is managed by the National Park Service as part of Redwood National and State Parks. The mouth of Redwood creek forms a small estuary that can be open to tidal influence during high creek flows. The associated wetlands are highly sensitive to oiling. The response site extends from the mouth of the creek to the upper end of tidal influence within the estuary. There is considerable large woody debris on the north side of the estuary and on the beach north to Mussel Point. There is an armored levee upstream of the mouth to prevent flooding in the area which modifies hydrology of the creek mouth, oxbow and estuary.

SEASONAL and SPECIAL RESOURCE CONCERN

The shoreline at the mouth of the creek provides haul out habitat for marine mammals and is also a popular spot for fishing during salmonid migrations. This is an important location for commercial fishermen targeting day/night fish and surf perch.

RESOURCES OF PRIMARY CONCERN

Estuary and sandy beach with some freshwater marsh habitat.

Shorebirds, Seabirds, Raptors can be found here year-round including: Bald Eagle (SE), Peregrine Falcon, and Osprey. Snowy Plover (FT)(01-12)- with critical open dune nesting period (04-07). California Brown Pelican (04-11). Marbled murrelet (FT,SE)(01-12) feed in open waters.

This is a popular haul out area for marine mammals when the mouth is open to tidal influence.
 River otters.

Fish: Anadromous salmonids Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT,SSC) and Coastal cutthroat (SSC) trout

- spawning runs (08-06)
- juveniles/smolts (02-11)

Eulachon (FT,SSC)

Pacific lamprey

Plants of concern if heavy equipment is used include beach layia (FE, SE), beach pea (CNPS List 2.1), pink sand verbena (CNPS List 1B.1), Wolf's evening primrose (CNPS List 1B.1)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O	On Duty Supv. Ranger	NORCOM State Parks Dispatch 24-hours	(916) 358-1300
T		Redwood National & State Parks	(707) 464-6101
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-215 -A Site Strategy - Redwood Creek

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-215 -A

Latitude N

Longitude W

41 17' 35 124 05' 25"

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Oiling of estuary could cause long term damage to sensitive wetlands and important habitats. Contact Redwood National & State Parks for guidance prior to initiating any response due to listed species in area and limited access.

HAZARDS and RESTRICTIONS:

Heavy winter runoff may complicate boom strategy.

SITE STRATEGIES

Armored levee may complicate boom strategy.

Strategy 1-215.1 Objective: Arrest oil spread near the mouth on an incoming tide.

Place boom across the channel from the north bank to the south bank to direct incoming oil to a suitable collection site.

Strategy 1-215.2 Objective: Preclean beach to minimize oiling of woody debris before oil arrives

Send in hand crews or heavy equipment to move large woody debris to high ground on the beach and out of the path of oil before it arrives. The number of workers required will be determined by the amount of debris on the beach.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-215.1	2000	0	0	0	0	0	0	0	0	6	4
1-215.2	0	0	0	0	0	0	0	0	0		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on HWY 101, go past Freshwater lagoon and make a left turn following the signs to the Thomas H. Kuchel Visitor Center of the Redwood National & State Parks. The mouth of Redwood Creek is a short walk north of the visitor center.

Access to the north of the estuary: continue N. on Hwy 101, cross the Redwood Creek bridge, turn L on Hufford Rd, follow Hufford Rd and Fishing Access signs to single lane dirt road along north levee with parking lot at end. Bridge limit 12 tons. Primitive boat launch here behind locked gate.

Dirt road access to south levee behind locked gate. Redwood Creek is managed by the National Park Service as part of Redwood National and State Parks.

LAND ACCESS: Locked access to the beach

WATER LOGISTICS:

Limitations: depth, obstruction

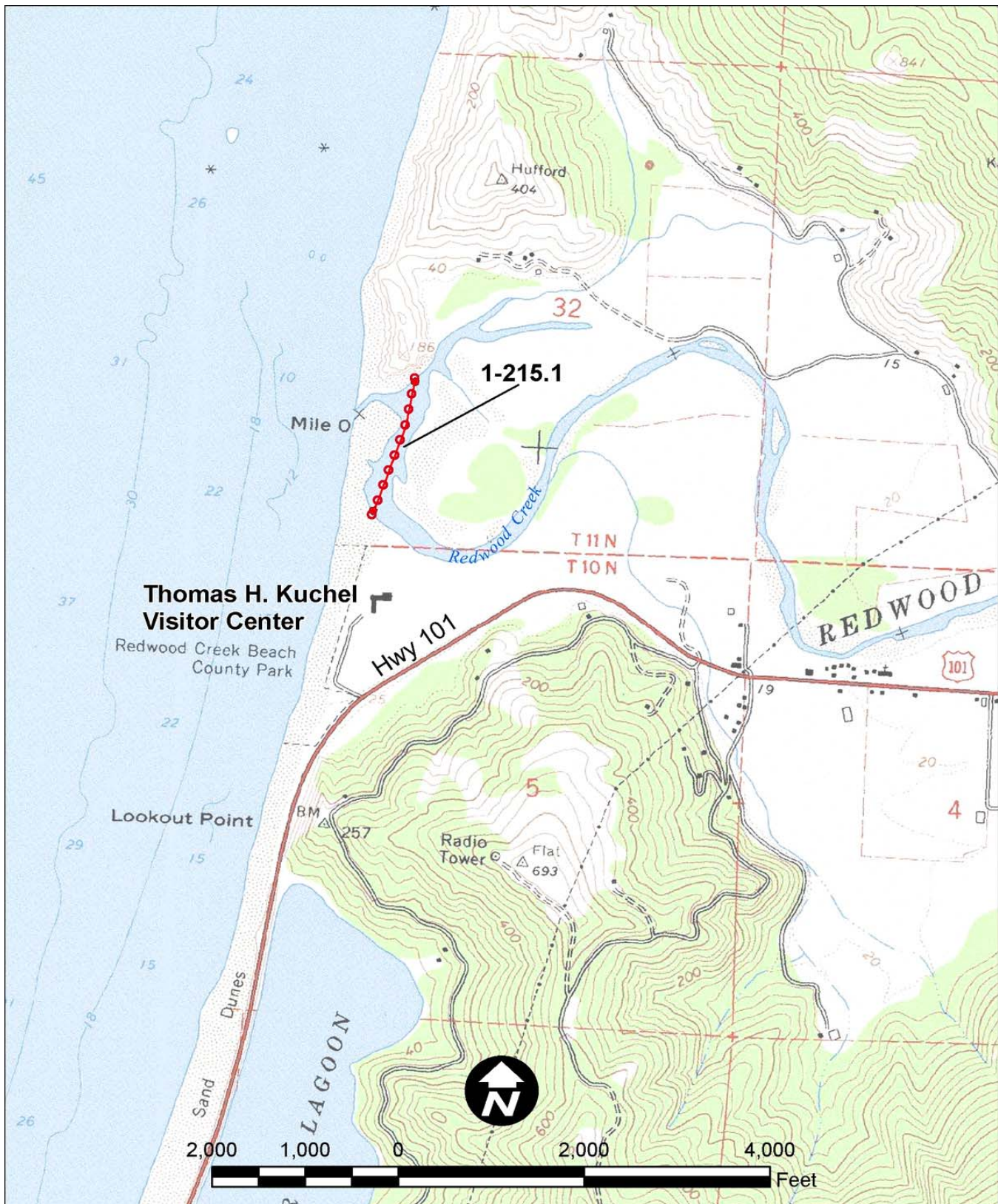
Launching, Loading, Docking and Services Available: Primitive small boat launch at end of N levee-locked gate (contact Redwood National & State Parks)

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The Park's visitor center & parking lot could be used to provide the best large scale staging area between Eureka & Crescent City. Phones and restrooms are available in the center, and fuel, a small grocery store can be found just north on HWY 101 in the town of Orick. Lodging is very limited. Redwood National & State Parks southern operations center (SOC) could also be used for local staging.

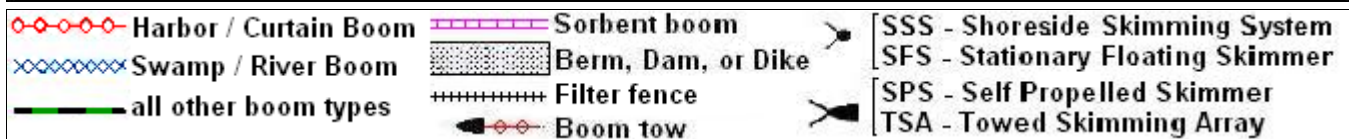
COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site: 1-215 Site Name: Redwood Creek

Jeff Dayton (OSPR) & Greg Ewing (OSPR)
 Date: March 8, 2011



County: **Humboldt**
 USGS Quad: **Orick**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N
 41 15
 Longitude W
 124 05' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Stone Lagoon is managed by State Parks as part of Humboldt Lagoons State Park. Coastal lagoon with freshwater marsh. Separated from the ocean by a fine to medium grain sand beach. Infrequently open to the ocean, the lagoon typically breaches at the southern end of the coastal sand spit following large rain events in combination with heavy surf.

SEASONAL and SPECIAL RESOURCE CONCERN

The lagoon provides habitat for salmonids and fish passages are common when the mouth is open.

RESOURCES OF PRIMARY CONCERN

Wetlands

Shorebirds, seabirds, waterfowl, loons, grebes, Raptors incl. Bald eagle (SE), Peregrine falcon, Osprey; all (01-12). Golden eagle. California brown pelican (04-11). Snowy Plover FWS Critical habitat - sand dunes between the ocean and lagoon. Snowy plover (FT)(01-12) - nesting period (04-08). Nests directly on sand within dunes.

Marine mammals feed in surf and nearshore.

Anadromous salmonids: Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT,SSC) and Coastal cutthroat (SSC) trouts:

- spawning runs (08-06) when lagoon breaches
- juveniles/smolts (01-12)

Tidewater goby (FE,SSC)(01-12), FWS Critical Habitat

Humboldt Bay owl's clover (CNPS List 1B.2)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		NORCOM State Parks Dispatch 24-hours	(916) 358-1300
T		California State Parks North Coast District	(707) 445-6547
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-220 -A Site Strategy - Stone Lagoon

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-220 -A

Latitude N

Longitude W

41 15

124 05' 30"

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

It is unlikely that oil will ever reach this lagoon when the mouth is closed unless there is extremely high tides and surf. Response at the site under these conditions should probably not be attempted from anywhere near the sand spit where sleeper waves could easily disrupt response activities.

HAZARDS and RESTRICTIONS:

Current through the breach can be dangerous during storm months/events.

SITE STRATEGIES

Strategy 1-220.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvae and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-220.1	0	0	0	0	0		0	0	0		0	Protect with off-site response measures only.	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101. Hwy 101 skirts the east side of the lagoon and access points are visible just off the highway. A narrow coastal access road is available on the north end of the lagoon. Parking is available at the visitor's center and at the end of the coastal access road. 4WD access to the SW corner where the lagoon generally breaches is possible from the parking lot at the end of the coastal access road. Skiffs may be launched at the State Park HQ. Stone Lagoon is managed by State Parks as part of Humboldt Lagoons State Park.

LAND ACCESS: Locked Gates

WATER LOGISTICS: Water depths are shallow in much of the lagoon

Limitations: depth, obstruction

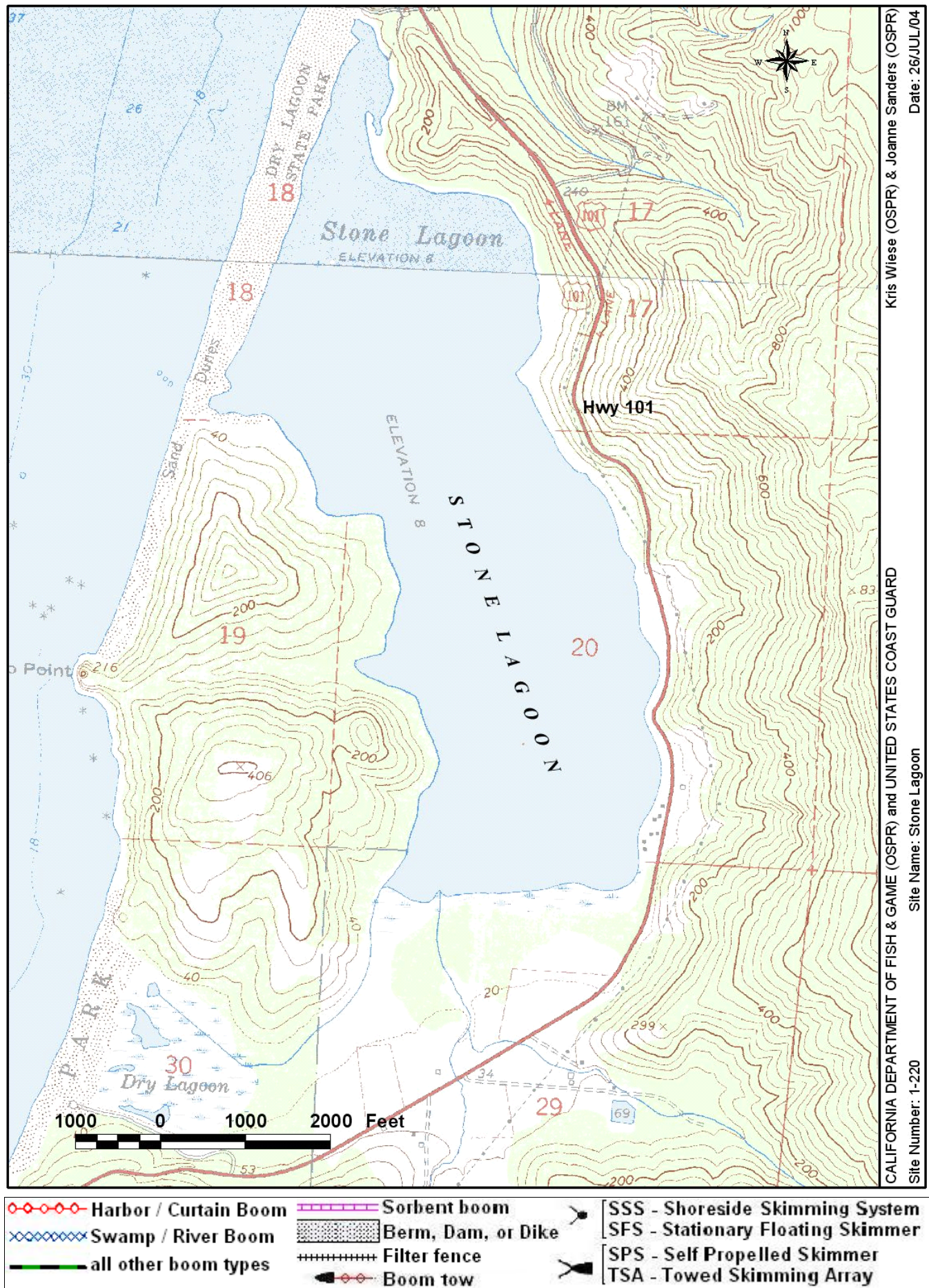
Launching, Loading, Docking and Services Available: A boat launch ramp and visitor's center are located alongside the highway.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

A small parking area suitable for local staging exists down a narrow road at the north end of the lagoon. No facilities or utilities are available there.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
 USGS Quad: **Rodgers Peak**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N Longitude W
 41 10' 30" 124 07'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site includes Big Lagoon from the shore line to Hwy 101. The sand spit and surrounding forest is managed by State Parks as part of Humboldt Lagoons State Park. The lagoon itself is managed by DFG as Big Lagoon Wildlife Area. The campground and boat launch at the south end is Big Lagoon County Park. The lagoon is separated from the Ocean by a two mile spit with vegetated dunes. Seasonally, the spit opens to the ocean (during high run off of winter rains), usually at the north end. The spit is fine to medium granule sand. Marsh vegetation fringes the remainder. The lagoon is open freshwater and saltwater marshes.

SEASONAL and SPECIAL RESOURCE CONCERN

RESOURCES OF PRIMARY CONCERN

Wetlands

Shorebirds, seabirds, waterfowl. California brown pelican (04-11). Raptors incl. Peregrine falcon, Bald eagle (SE), and Osprey; all (01-12). Snowy Plover FWS Critical Habitat - sand dunes between lagoon and ocean. Snowy plover (FT)(01-12), nesting period (03-08) nesting directly on sand within dunes.

Tidewater goby (FE,SSC)(01-12), FWS Critical Habitat

Anadromous salmonids: Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT,SSC) and Coastal cutthroat (SSC) trouts:

- spawning (08-06) when lagoon breaches
- juveniles/smolts (01-12)

Green sturgeon (FT,SSC)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		CA Dept of Fish and Game Wildlife Area	(707) 445-6493
O		NORCOM State Parks Dispatch 24-hours	(916) 358-1300
T		Humboldt County Parks	(707) 445-7651
T		California State Parks North Coast District	(707) 445-6547
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-230 -A Site Strategy - Big Lagoon

County and Thomas Guide Location
CA Road Atlas Humboldt

NOAA CHART
18600

1-230 -A

Latitude N Longitude W
41 10' 30 124 07'

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

The primary concern is oil entering the lagoon from the ocean and spreading across the Lagoon, which would pose cleanup problems and exposure to birds, animals, and fish in the lagoon. The intent is to control and collect oil near the berm entry point(s). A secondary concern is disturbance of endangered shore birds on the ocean face of the berm during winter.

HAZARDS and RESTRICTIONS:

Area of beach and waterway adjacent to breach is dangerous when water is flowing.

SITE STRATEGIES

Strategy 1-230.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-230.1	0	0	0	0	0	0	0	0	Protect with off-site response measures only.		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101. Turn left onto Big Lagoon Park Road M.P. 108.250. Go 0.3 mile and turn right on Big Lagoon Park Rd. Follow the signs to the county park. Various access points are available (by foot from hwy 101) on the east side of lagoon. Access to the north end of lagoon where breaching occurs is possible only by traversing the beach from south end (about 2 miles) or from Dry Lagoon parking lot at the north end. This site includes Big Lagoon from the shore line to Hwy 101. The sand spit and surrounding forest is managed by State Parks as part of Humboldt Lagoons State Park. The lagoon itself is managed by DFG as Big Lagoon Wildlife Area. The campground and boat launch at the south end is Big Lagoon County Park.

LAND ACCESS: Locked gates, with ATV access w/o a key.

WATER LOGISTICS:

Limitations: depth, obstruction

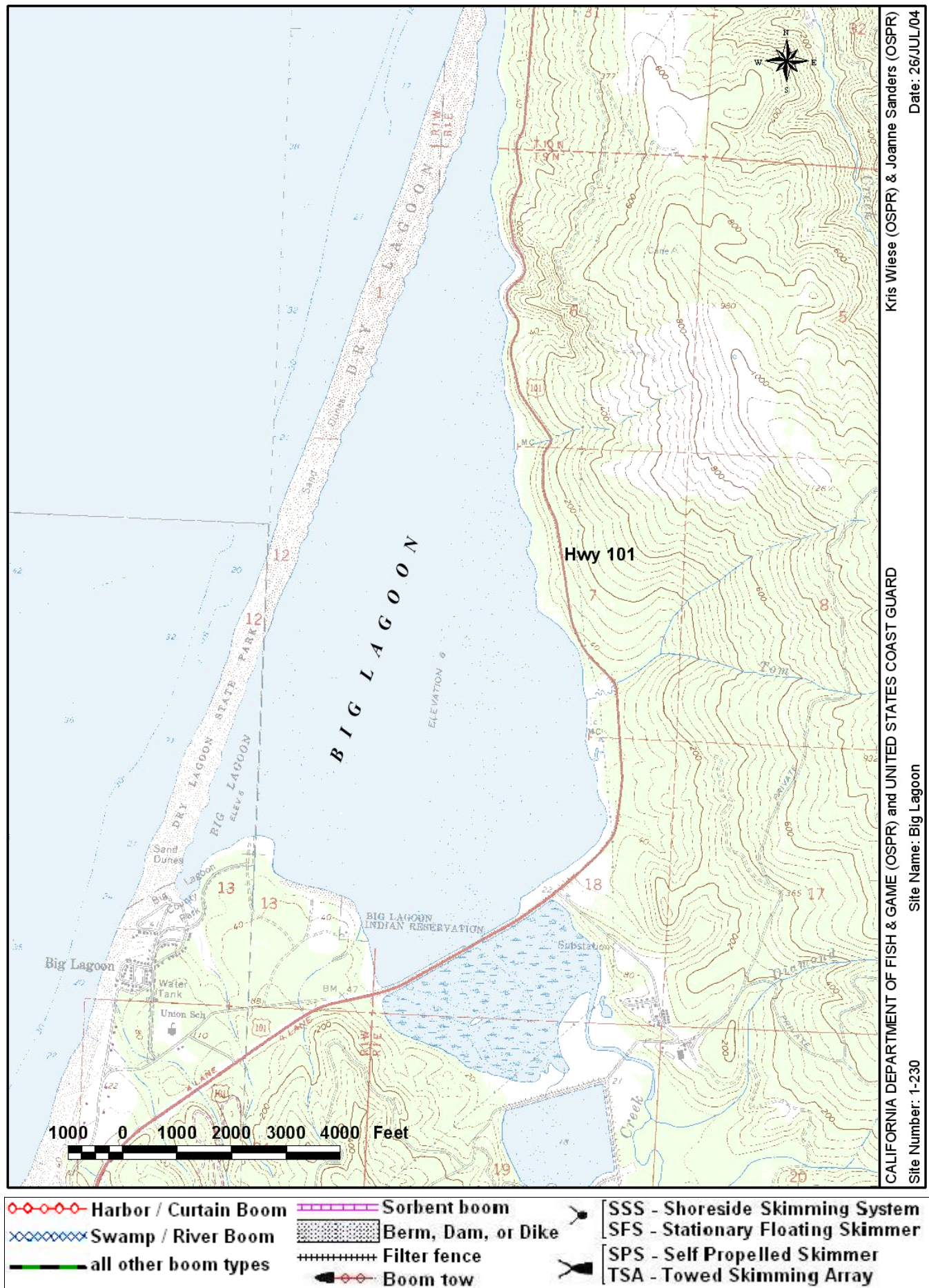
Launching, Loading, Docking There is a small boat ramp at Big Lagoon County Park.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The parking area next to the boat ramp could be used to stage equipment for a medium sized event in the area. There are public rest rooms and camping spots in the park, but no fuel or food concessions on site. These supplies can be found south on HWY 101 in Trinidad.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
 USGS Quad: **Trinidad**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N
 41 06'
 Longitude W
 124 10'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Steep rugged coastline managed in part by State Parks (Patrick's Point, Trinidad State Beach) and offshore rocks included in BLM's California Coastal National Monument. Private properties present as well. Predominantly wave-cut platforms backed by gravel beaches. Pockets of fine to medium grained sand beaches. Exposed rock cliffs and many offshore rocks.

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Large seabird colonies offshore (01-12), serve as rookeries (03-09); Green Rock - >55,000; Flatiron Rock - >24,000; Pilot Rock - >2,500, Pelagic and Brandt's cormorants >2,000. Pigeon guillemots, Cassin's auklet (SSC), Western gull, Black oystercatcher, Fork-tailed storm petrel (SSC), Rhinoceros auklet, and Tufted puffin (SSC) also present. Common murres >80,000.

River otters, Harbor seals, California sea lions throughout area.

Juvenile rockfish nursery habitat

Coastal cutthroat trout (SSC)(01-12) and Steelhead (FT) may be present in coastal streams throughout area. Anadromous when streams flow to ocean.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E		Humboldt County Sheriff	(707) 445-7251
O		NORCOM State Parks Dispatch 24-hours	(916) 358-1300
T		California State Parks North Coast District	(707) 445-6547
O		City of Trinidad	(707) 677-0223
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171
T	Craig Richardson Dockmaster	Trinidad Rancheria	(707) 499-6478

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-235 -A Site Strategy - Patrick's Point to Trinidad Head

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-235 -A

Latitude N

41 06'

Longitude W

124 10'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme current, high energy shoreline, offshore rocks. Beaches may be steep at times.

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-235.1 Objective: Protect with off-site response measures only.

Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no tvoe and gear	Boom boat	Skiffs punts	Skimmers No Type	Special No and	Equipment or comment kinds	staff deploy	Staff tend
1-235.1	0	0	0	0	0	0	0	0	0	Protect with off-site response measures only.		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101. Take Patricks Point State Park exit, M.P. 105.926 onto Patricks Point Drive. Parking and access available at several locations within park. Trinidad State Beach - from hwy 101 take Trinidad exit, M.P. 100.644. Turn left onto Main Street, then right onto Stagecoach Road to beach. Also from Main Street turn left onto Edwards Street to the beach parking area at the end of Edwards Street. Steep rugged coastline managed in part by State Parks (Patrick's Point, Trinidad State Beach) and offshore rocks included in BLM's California Coastal National Monument. Private properties present as well.

LAND ACCESS: some beach areas accessible by foot trail only

WATER LOGISTICS: Offshore response only

Limitations: depth, obstruction

Launching, Loading, Docking There is a small lauch facility in Trinidad Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

There are camping areas inside of the park which could serve as staging areas for local beach response purposes.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
 USGS Quad: **Crannell**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N Longitude W
 41 02' 30" 124 07' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Steep rugged coastline at Trinidad Head and protected harbor to south. Trinidad Pier and launch facility are managed by Trinidad Rancheria. Offshore rocks are included in BLM's California Coastal National Monument. Private properties present as well. Minor tidal inlet at McConnahas Mill Creek. Offshore rocks. Rocky headlands. Fine to medium grain sand beaches. Some gravel beaches.

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

Sea water intakes for the HSU Marine laboratory are in the area. The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Seabird colonies throughout area (01-12). Serve as rookeries (03-09). See site 1-235-A for species in area. Double-crested cormorant (01-12). California brown pelican (04-11).

River otters, Pacific harbor seals, Sea lions, Porpoises

Anadromous salmonids: Coastal cutthroat trout (SSC) and Steelhead (FT) may be present in coastal streams throughout area. Spawns in coastal streams and creeks in area.

Nursery habitat for juvenile rockfish (01-12).

Surfperch spawning (04-06)

Surfsmelt and Nightsmelt spawning in area

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E		Humboldt County Sheriff	(707) 445-7251
O		City of Trinidad	(707) 677-0223
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171
T	Craig Richardson Dockmaster	Trinidad Rancheria	(707) 499-6478

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-240 -A Site Strategy - Trinidad Bay and McConnahas Mill Creek

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-240 -A

Latitude N

Longitude W

41 02' 30 124 07' 30"

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Scenic Drive may be closed or have slides and washouts either blocking or reducing the two lane road to one lane. Caution should be taken when driving this road at all times as some turns are blind.

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-240.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-240.1	0	0	0	0	0	0	0	0	Protect with off-site response measures only.		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101. Exit at Trinidad M.P. 100.644 and turn left onto Main Street. Turn left again (Road next to Salty's) onto Scenic Drive. Various access points along this road from footpaths. Launching facilities are available at Trinidad Harbor. Continue on Main Street and turn left onto Trinity Street. Turn left from Trinity Street onto Edwards Street. The harbor is east of the parking area. Steep rugged coastline at Trinidad Head and protected harbor to south. Trinidad Pier and launch facility are managed by Trinidad Rancheria. Offshore rocks are included in BLM's California Coastal National Monument. Private properties present as well.

LAND ACCESS: Access to local beaches by ATV, or foot paths.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking Hoist available for boats, skiffs may be launched from the beach
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The harbor has a marine railroad for launching vessel up to 5000 lbs and up to 26' in length. There is also a public small boat launch ramp. There is ample room for staging large amounts of equipment in the general harbor area. Food services, limited lodging, and fuel are available in the area. Water, public phones, bath rooms, and electricity may be available for emergency response use.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



1-245 -A Site Summary- Little River Lagoon and Beach**1-245 -A**

County: **Humboldt**
USGS Quad: **Crannell**

Thomas Guide Location
CA Road Atlas
NOAA Chart: **18600**

Latitude N
41 01'
Longitude W
124 06' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This area is managed by State Parks as Little River State Beach and the adjacent Moonstone Beach managed by Humboldt County Parks. The Little River is a popular surfing spot that has a tidal inlet and marsh between the shoreline and Highway 101. It has a fine to medium grain sand beach with a large exposed tidal flat at lower tides. Snowy plover are active in the area.

SEASONAL and SPECIAL RESOURCE CONCERN

The access to this popular surf spot is directly against the booming response area. Snowy plover utilize the beaches to the south of this site for nesting and foraging during the spring and summer.

RESOURCES OF PRIMARY CONCERN

Contact State Parks for guidance prior to initiating response. The sandy beach from the river mouth south along Clam Beach is Snowy Plover nesting habitat. ANY responders working in this area should remain on the wet sand below the high tide line, (except at high tide), to minimize disruptions to plover nests and adults.

Shorebirds, seabirds, Snowy plover (FT)(01-12), FWS Critical Habitat, nesting period (03-08). Nests directly on sand within dunes.

Anadromous salmonids: Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT), and Coastal cutthroat (SSC) trout.

- spawning runs (08-06)
- juveniles/smolts (04-07)

Pacific lamprey

Surfperch (04-06)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E		Humboldt County Sheriff	(707) 445-7251
O		The Friends of the Dunes	(707) 444-1397
O		NORCOM State Parks Dispatch 24-hours	(916) 358-1300
T		California State Parks North Coast District	(707) 445-6547
T		Humboldt County Parks	(707) 445-7651
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-245 -A Site Strategy - Little River Lagoon and Beach

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-245 -A

Latitude N

Longitude W

41 01'

124 06' 30"

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

Preventing oil from spreading into the upper end of the estuary is the primary goal of responding at this location. All response efforts will have to consider that this is the access point to the most popular point break in the three northern coastal counties and that Snowy plover may be present year round.

HAZARDS and RESTRICTIONS:

The mouth of the estuary has severe tidal currents that will make any booming efforts difficult if not impossible to do safely.

SITE STRATEGIES

Strategy 1-245.1 Objective: Exclusion of oil on an incoming tide during low river flows

Strand oil onto the southern spit inside of the lagoon using boom. Back up boom with oil sweep (SWP)

Strategy 1-245.2 Objective: Arrest incoming (heavy) oil with pom pom snares

Anchor strings of pom pom boom across the entrance to capture incoming oil. Two or three strings should be sufficient.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment or comment	staff deploy	Staff tend
1-245.1	700	0	700 SWE	0	4	22b Danforth Anchors w/chain	0	1	0	0		6	
1-245.2	0	0	2100 poms		6	22b Danforth Anchors w/chain	0	1	0	0		5	2

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101. Take Westhaven Drive exit M.P. 98.003. Turn left under freeway and left again onto Scenic Drive. Continue to Moonstone Grill and turn right onto Moonstone Beach road. Road ends at mouth of Moonstone Beach parking lot. This area is managed by State Parks as Little River State Beach and the adjacent Moonstone Beach managed by Humboldt County Parks.

LAND ACCESS: easily accessed. Heavy equip. accessible

WATER LOGISTICS: Hand launching of skiffs may be possible?

Limitations: depth, obstruction

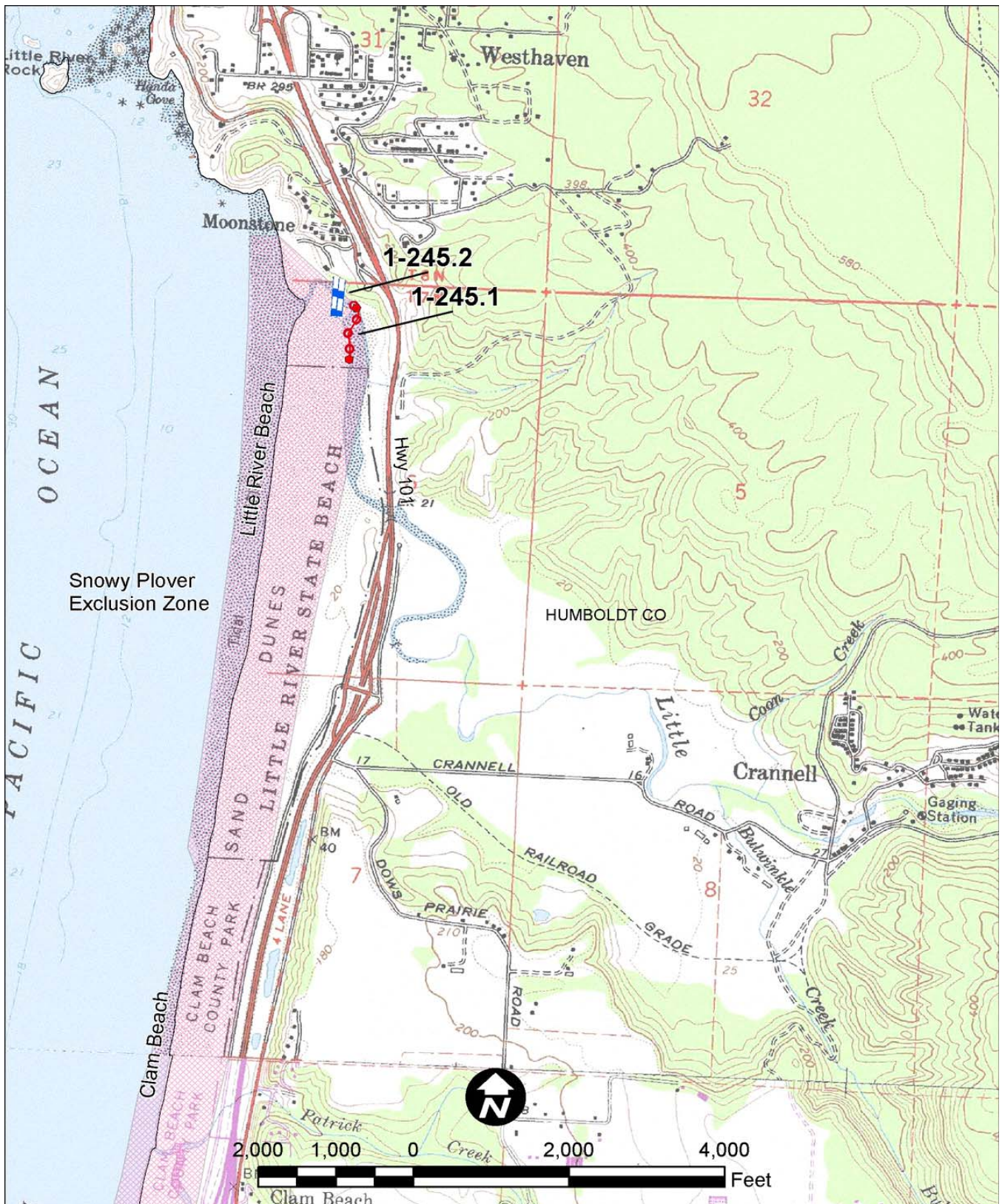
Launching, Loading, Docking
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The parking lot could serve as a staging area for local response equipment. There are no on site facilities or utilities for emergency response use, with exception of a dinner restaurant that may be open for business. Food & fuel are available a few miles north on 101 in Trinidad, or a few miles south in McKinleyville.

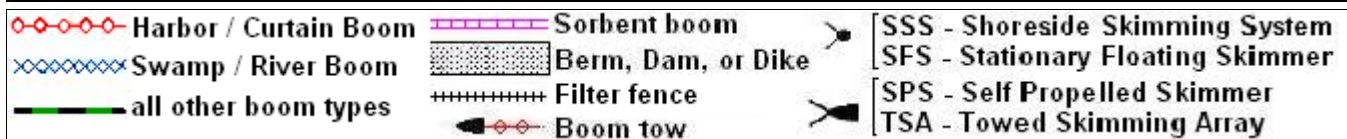
COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site: 1-245 Site Name: Little River Beach

Jeff Dayton (OSPR) & Greg Ewing (OSPR)
 Date: March 8, 2011



County: **Humboldt**
 USGS Quad: **Crannell**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N
 41 00'
 Longitude W
 124 07'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site begins at the mouth of the Little River and extends south to the mouth of the Mad River. Clam Beach is managed by Humboldt County Parks. The beaches have fine to medium grain sand. Small tidal inlets at Strawberry and Patrick Creeks are present on the site.

SEASONAL and SPECIAL RESOURCE CONCERN

Snowy Plovers (FT) may be present year round. Nesting occurs from approximately March through August.

RESOURCES OF PRIMARY CONCERN

Contact Humboldt County Parks for guidance prior to initiating response. Clam beach is snowy plover breeding habitat above the high tide line (Critical Habitat). Nests are difficult to see and easy to step on. Responders should minimize traffic routes and try to limit activity to the area below the high tide line. Avoid areas enclosed by symbolic fencing or otherwise marked as nesting habitat.

Snowy plover (FT) (01-12); FWS Critical Habitat, nesting (03-08)

Coastal Cutthroat trout (SSC) may be present in Strawberry and Patrick Creeks. These trout may be anadromous and present through beach area if creeks have enough flow.

Pacific razor clams (01-12) and Dungeness crabs utilize the inter and subtidal zones. Clams burrow into the sand. Crabs may bury themselves to the tops of the carapace.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E		Humboldt County Sheriff	(707) 445-7251
T		Humboldt County Parks	(707) 445-7651
O		The Friends of the Dunes	(707) 444-1397
T		California State Parks North Coast District	(707) 445-6547
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-250 -A Site Strategy - Clam Beach

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-250 -A

Latitude N

41 00'

Longitude W

124 07'

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

Snowy plover may be present year round.

HAZARDS and RESTRICTIONS:

SITE STRATEGIES

Strategy 1-250.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-250.1	0	0	0	0	0	0	0	0	0	Protect with off-site response measures only.	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101. Take Clam Beach County Park exit. Turn left under freeway overpass and then continue left on Clam Beach County Park Road. Parking areas available on the west side of this road. This site begins at the mouth of the Little River and extends south to the mouth of the Mad River. Clam Beach is managed by Humboldt County Parks.

LAND ACCESS: Beach has drive on access. 4WD and heavy equipment accessible.

WATER LOGISTICS: No on site boat launching facilities

Limitations: depth, obstruction

Launching, Loading, Docking

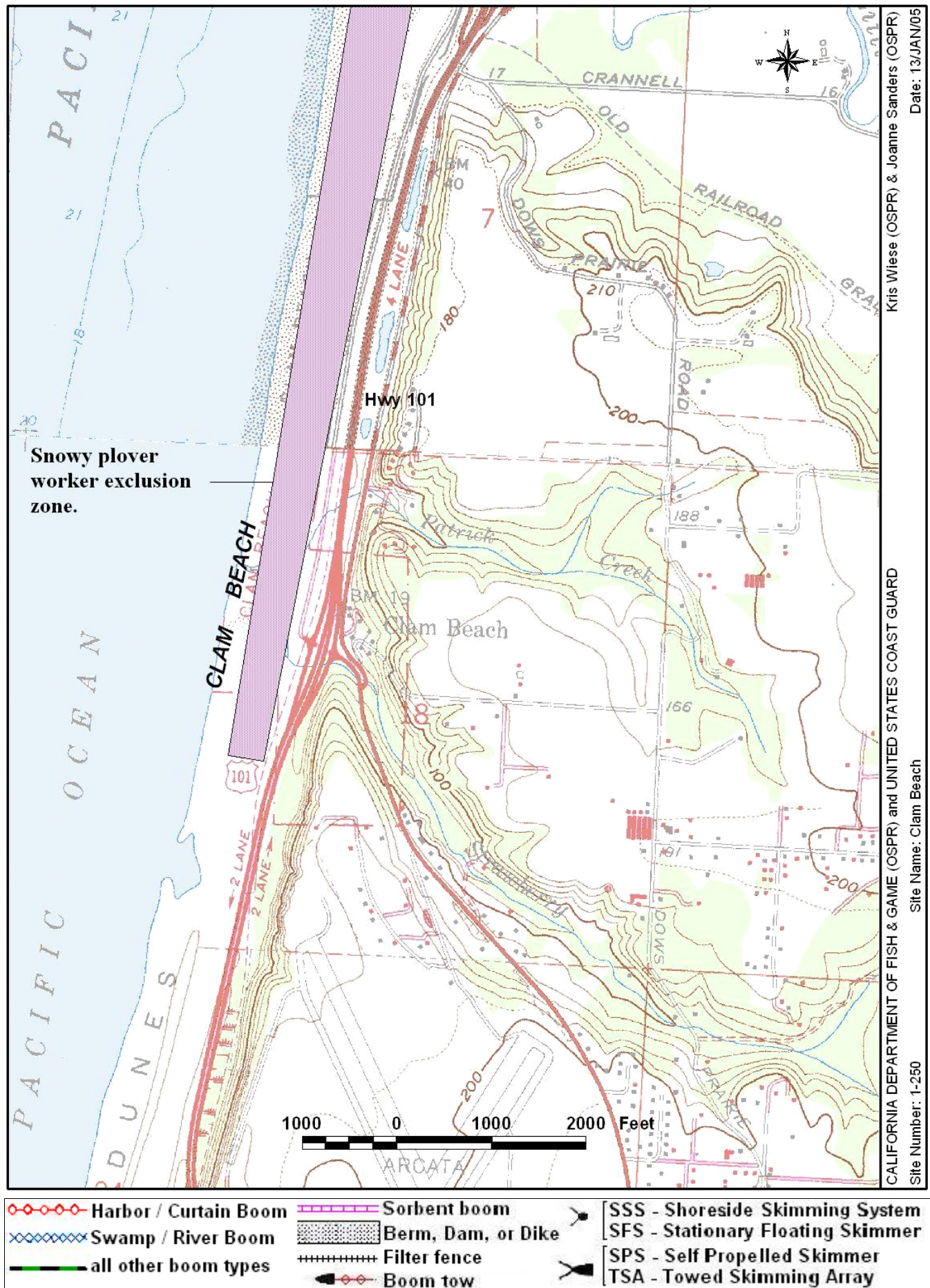
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The large beach parking lot could be used for staging equipment for local response purposes. Public restrooms at the 2nd parking area, and camping grounds are the only other assets available to responders. No phones.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
 USGS Quad: **Arcata North Tye**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18600**

Latitude N Longitude W
 40 48' 35" 124 08' 10"W

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Mad River Beach and the boat launch are managed by Humboldt County Parks. Mad River Lagoon is a medium sized tidal inlet bounded on each side by fine to medium grained sand beaches with riprap along north and northeast shoreline facing the ocean. The tidal influence extends just above the boat ramp in the County Park. The site extends to the north to the inflow of water from Widow White Creek, and has migrated many miles north of the existing outflow.

SEASONAL and SPECIAL RESOURCE CONCERN

Marine mammals, wading and shorebirds, waterfowl, and salmonids all utilize the estuary for habitat.

RESOURCES OF PRIMARY CONCERN

The river banks of the estuary are sensitive to oiling especially during the summer months when the mouth of the river is open to tidal exchange.

Shorebirds, wading birds, waterfowl, Kingfishers (feeding and nesting), raptors incl. osprey and merlin, Peregrine falcon; all (01-12). California brown pelican (04-11), Snowy plover (FT)(01-12), FWS Critical Habitat, nesting period (03-08). Nests directly on sand within dunes.

Harbor seals and sea lions feed in estuary. Harbor seals haul out along the mouth of river.

Anadromous salmonids: Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT) and Coastal cutthroat (SSC) trouts:

- spawning runs (08-06)
- juveniles/smolts (04-07)

Green sturgeon (FT,SSC)

Eulachon (FT,SSC)

Longfin smelt (ST)

Pacific lamprey

Redtail surfperch on outer beaches (04-06)

Dungeness crab nursery

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		The Friends of the Dunes	(707) 444-1397
E		Humboldt County Sheriff	(707) 445-7251
T		Humboldt County Parks	(707) 445-7651
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-255 -A Site Strategy - Mad River Lagoon

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18600

1-255 -A

Latitude N

Longitude W

40 48' 35 124 08' 10"

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Preventing oil from spreading into the upper end of the estuary is the primary goal of responding at this location. Snowy plover may be present year round.

HAZARDS and RESTRICTIONS:

Mad River Road has closures during high rain and high tide events due to flooding. Check with the county.

SITE STRATEGIES

The location of the river mouth may shift from year to year. It may be necessary to adjust recommended site strategy to address conditions at time of response. An overflight or site visit to evaluate the location of the river mouth is recommended prior to deploying response personnel.

Strategy 1-255.1 Objective: During low fresh water flows the Mad River estuary should be boomed to minimize the area of impact.

Exclude oil (boom) and strand incoming oil onto the south spit to minimize oil movement into the riparian areas of the south and eastern regions in this estuary.

Strategy 1-255.2 Objective: During low fresh water flows the Mad River estuary should be boomed to minimize the impact area.

Boom widow white creek where it joins the Mad River from the north

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-255.1	0	1200	0	0	4 22lb Danforth	0	1	0	0	6	
1-255.2	300	0	0	0	2 22 lb Danforth anchors	0	1	0	0	6	2

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go north on U.S. hwy 101 for about 8 miles. Take Giuntoli Lane exit M.P. 88.618. Turn left onto Janes Road. Turn right onto Heindon Road. Turn left onto Miller lane. Turn right onto Mad River Road and continue on this road 1.7 miles to Mad River County Park. There is a boat ramp at this location. Another unimproved parking area and 4WD access to the beach is just north of the county park area. Access to the north shore is difficult. Caltrans should be contacted to open hwy guard rails near M.P. 94.479 to access riprap area. Mad River Beach and the boat launch are managed by Humboldt County Parks.

LAND ACCESS: Can use 4WD to mouth from Mad River Beach or Clam Beach

WATER LOGISTICS:

Limitations: depth, obstruction

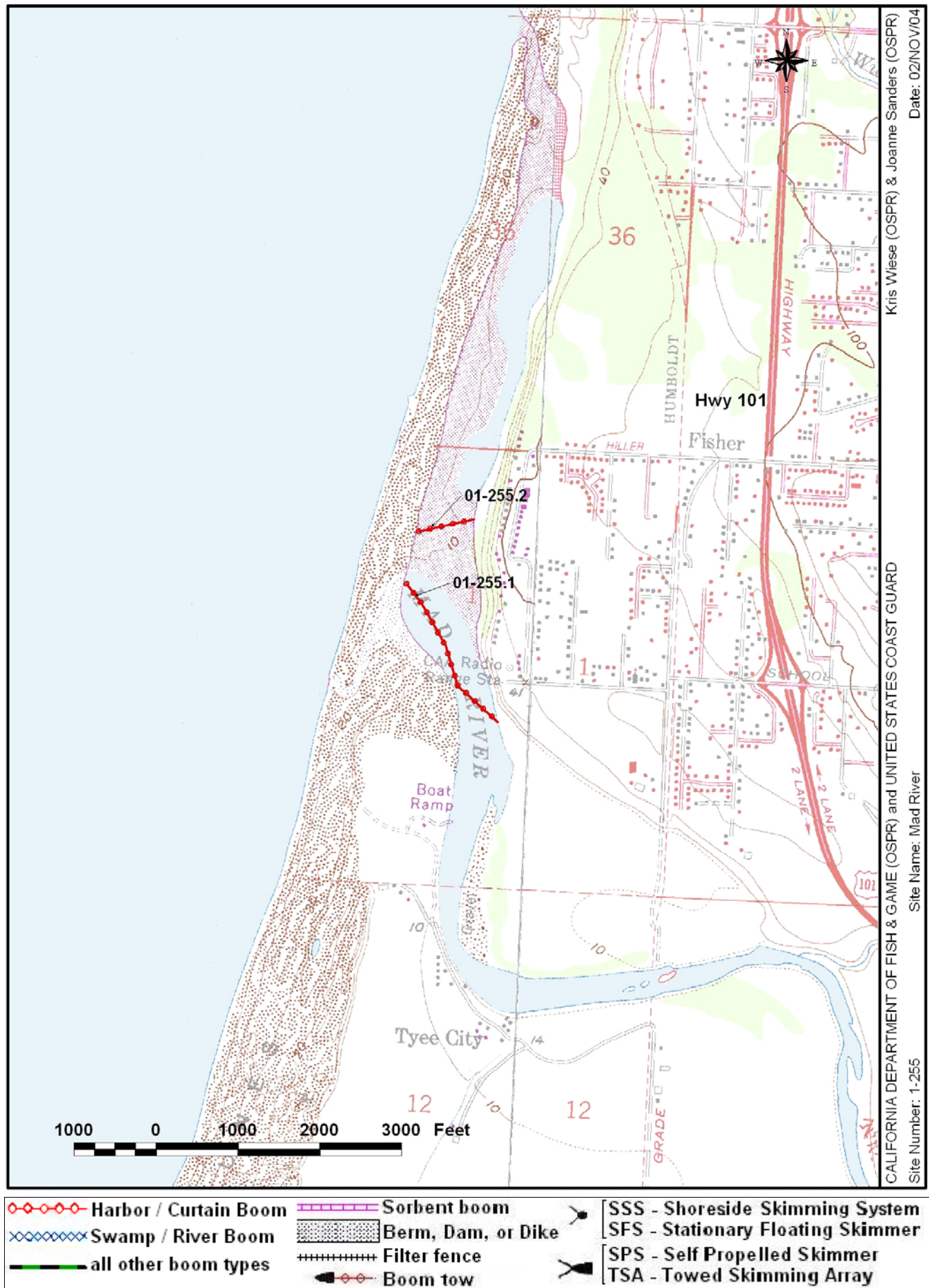
Launching, Loading, Docking Small boat (drive down) ramp type launch at Mad River Beach county park.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The parking area near the boat ramp has restrooms and can serve as a staging area for equipment to be used in the general area. There are no on site concessions or utilities other than the restrooms at this site.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
 USGS Quad: **Cannibal Island**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18622, 18620**

Latitude N Longitude W
 40 38' 30" 124 18' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site includes the Eel River and adjacent marshes and sloughs from Fernbridge to the river mouth. Ownerships include private land, Crab Park (Humboldt County Parks) at the end of Cannibal Rd, and Department of Fish and Game's Eel River Wildlife Area and Cock Robin Island. Total acreage of marshes exceed 700 acres in addition to riparian vegetation. This major estuary complex has abundant marshes, as well as exposed and sheltered tidal flats, numerous sloughs opening into the estuary. The mouth of the Eel River will migrate seasonally in response to fresh water flow and near shore current changes. The Eel River can, over a brief period of time, migrate from north to south or south to north for a distance of about 1.5 miles or more. No booming response is advisable during high winter flows.

SEASONAL and SPECIAL RESOURCE CONCERN

No booming response is feasible when river discharge is high, a condition that is typical during winter months. Additionally, winter storms can occur here almost year round, so be aware of the recent and predicted weather patterns before deploying equipment at this dynamic estuary.

RESOURCES OF PRIMARY CONCERN

Large areas of pickleweed marsh on the Eel river side of the coastal sand dunes, clearly tidally influenced. Salt marshes grade into riparian and fresh marshy margins as waters become less salty.

Shorebirds, seabirds, wading birds, waterfowl (01-12)

California brown pelican (04-11), Bald eagle (SE), Peregrine falcon, osprey, merlin; all (01-12). Snowy plover (FT)(01-12), FWS Critical Habitat - sand dunes on both north and south spits of Eel River, nesting period (03-08). Nests directly on sand within dunes.

Pacific harbor seals and California sea lions haul out near river mouth.

Anadromous salmonids:

Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT) and Coastal cutthroat (SSC) trouts:

- spawning runs (08-06)
- juveniles/smolts (02-08)

Green sturgeon (FT,SSC)

Tidewater goby (FE,SSC), FWS Critical Habitat

Longfin smelt (ST)

Pacific lamprey

Eelgrass in estuary

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
E		Humboldt County Sheriff	(707) 445-7251
T		CA Dept of Fish and Game Wildlife Area	(707) 445-6493
T		Humboldt County Parks	(707) 445-7651
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171
E	Bruce Slocum	Eel River Delta Excursion Cruises	(707) 786-4187

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-260 -A Site Strategy - Eel River Estuary

County and Thomas Guide Location
CA Road Atlas Humboldt

NOAA CHART
18622, 18620

1-260 -A

Latitude N Longitude W
40 38' 30 124 18' 30"

CONCERNS and ADVICE to RESPONDERS:

Preventing oil from spreading into the upper end of the estuary is the primary goal of responding at this location.

HAZARDS and RESTRICTIONS:

Crab Park and access roads may be submerged during high water and runoff periods.

Last Page Update :

SITE STRATEGIES

The location of the river mouth may shift from year to year. It will be necessary to adjust site strategy to address conditions at time of response. An overflight or site visit to evaluate the location of the river mouth is recommended initially..

Strategy 1-260.1 Objective: Make an on site evaluation before equipment call out or deployment.

Perform a site evaluation or over flight to determine if conditions will allow any field response under prevailing conditions. Weather forecasts for floods, waves, winds, and tides must be considered before any deployment.

Strategy 1-260.2 Objective: Primary strategy: Boom slough mouths and the up river end of the estuary when conditions near the mouth precludes succesful booming.

A. Boom the mouth of North Bay Slough by booming at a diagonal from the tip of the north spit to collection at the huge stump upstream on the Crab Park shore. (700 ft 8X8+ boom, 4 22#+ anchors)

B. Boom the main channel (two layers) at an angle to strand oil on the shore near the bridge across the Eel to Cock Robin Island. (3500 ft 8X8+ boom, 8 22#+ anchors)

C. Exclude oil from Salt River and adjacent southern sloughs: Exclusion boom at a diagonal or chevron. (400 ft boom, 6 anchors). This strategy was adapted after a field deployment here 8/25/05.

Strategy 1-260.3 Objective: No booming necessary when there is high volume flood outflow.

Strategy 1-260.4 Objective: When oil is overwasing the beach berm, deploy short diversion segments to ground oil to back of berm

Deploy six 100 ft segments of boom along the back of the berm to divert overwashing oil to shore during the flood tide. Select boom locations at best available locations and angles under prevailing conditions to collect oil. (6X6+ boom)

Strategy 1-260.5 Objective: Hazing: keep sensitive species off haulout and roosting areas

Pursue hazing to discourage wildlife use of spit. Contact UC Davis hazing staff and USFWS for further actions. Passive hazing recommended.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-260.1	0	0	0	0	0	0	0	0	0		
1-260.2	4600	0	0	0	18 22 lb danforth anchors	1	1	0	0 ATV's are useful at this site	12	6
1-260.3	0	0	0	0	0	0	0	0	0		
1-260.4	0	600	0	0	12 22 lb danforth anchors	0	0	0	0		
1-260.5	0	0	0	0	0	0	1	0	0		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka: south on U.S. hwy 101 to Fernbridge/Ferndale exit. Turn right on Eel River Rd and drive 1.9 miles to the town of Loleta. Turn left on Cannibal Island Road and continue 5 miles to Crab Park. Route to north spit of river mouth: take Hookton Road exit off Hwy 101. Continue on Hookton Road (which becomes Table Bluff Road) until it reaches the beach. 4WD access to the mouth of the river is possible by a road behind dunes (marked), which runs south to the mouth. This site includes the Eel River and adjacent marshes and sloughs from Fernbridge to the river mouth. Ownerships include private land, Crab Park (Humboldt County Parks) at the end of Cannibal Rd, and Department of Fish and Game's Eel River Wildlife Area and Cock Robin Island. Total acreage of marshes exceed 700 acres in addition to riparian vegetation.

LAND ACCESS: Large trucks (in dry weather) OK at Crab Park and Cock Robin Island.

WATER LOGISTICS: Small boat launch off the beach. Shallow, with sand bars.

Limitations: depth, obstruction

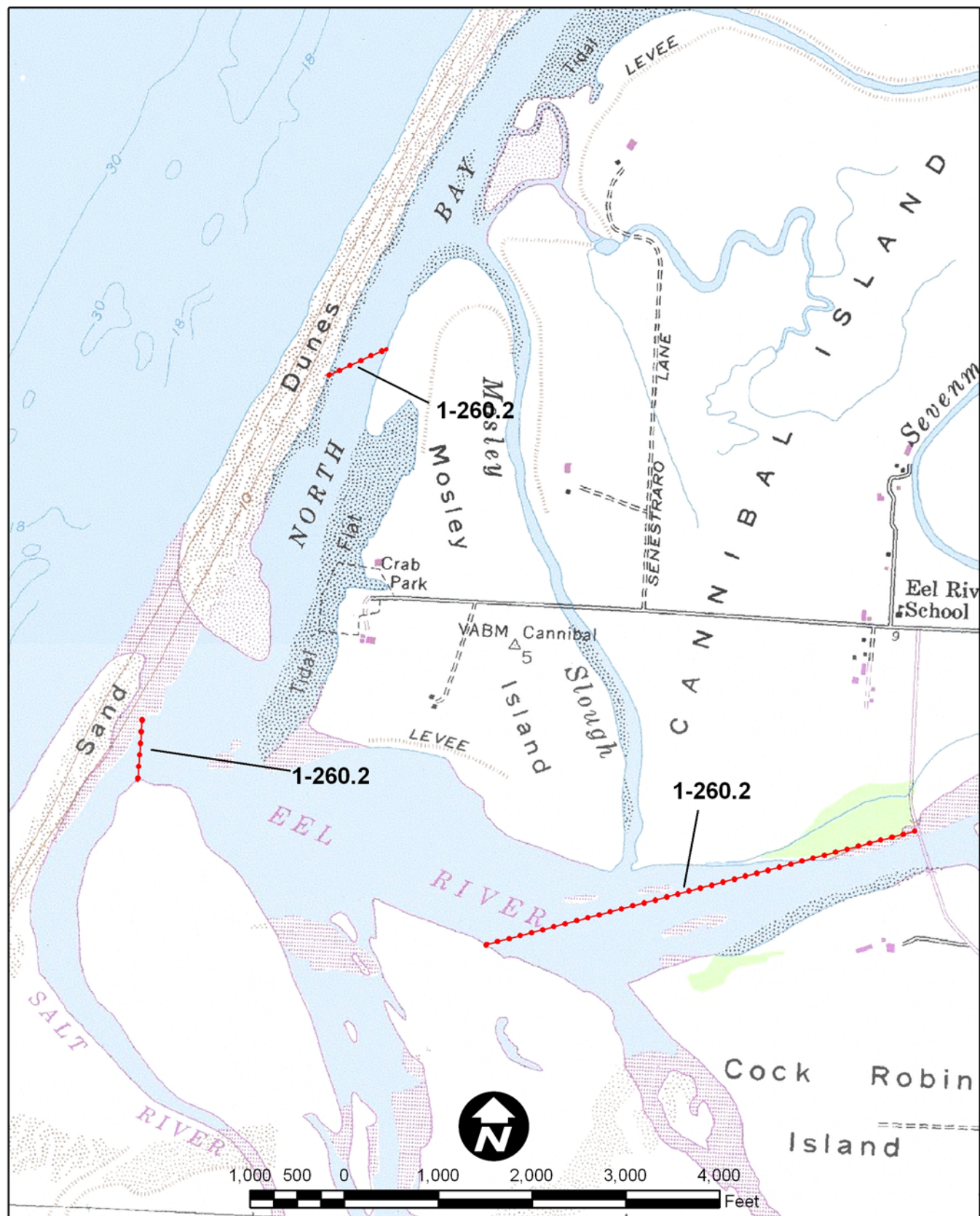
Launching, Loading, Docking and Services Available: Small boat ramp at Pedrazzini Park. Beach launch at Crab Park.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Crab Park or Pedrazzini Park. No services available. Ok for local response equipment.

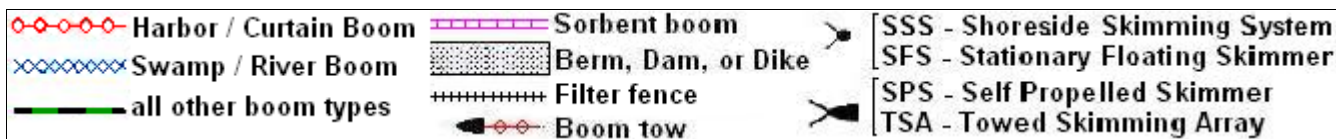
COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



CDFG-OSPR & USCG Site: 1-260 Name: Eel River

Kris Wiese (OSPR) & Jo Sanders (OSPR) Date: July 17, 2008



County: **Humboldt**
 USGS Quad: **Ferndale**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18620**

Latitude N Longitude W
 40 35' 30" 124 20' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site includes the beach and sand spit south of the mouth of the Eel River. Most of the area is in private ownership with the exception of Centerville Beach managed by Humboldt County Parks. Sandy beach with stable dunes.

SEASONAL and SPECIAL RESOURCE CONCERN

Snowy plover (FT) present at this site year round.

RESOURCES OF PRIMARY CONCERN

Snowy plover (FT)(01-12), FWS Critical Habitat, nesting period (03-08). Nests directly on sand within dunes.

Harbor seals and California sea lions haul out near mouth of Eel River.

Surfperch spawning (04-06)

Beach layia (SE,FE)(01-12)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Bureau of Land Management	(707) 825-2300
E		Humboldt County Sheriff	(707) 445-7251
T		Humboldt County Parks	(707) 445-7651
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-265 -A Site Strategy - Centerville Beach

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18620

1-265 -A

Latitude N

Longitude W

40 35' 30 124 20' 30"

CONCERNS and ADVICE to RESPONDERS:

Snowy plover (FT) present year round.

HAZARDS and RESTRICTIONS:

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-265.1 Objective: No strategy, but possible access to Eel river estuary to the north.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no tvpe and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-265.1	0	0	0	0	0	0	0	0	0	Protect with off-site response measures only.	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go south on U.S. hwy 101 and take Fernbridge/Ferndale exit. Stop at the end of the ramp, and then proceed straight ahead 0.5 miles to the intersection of HWY 211. Yield to the right and proceed over the bridge and through Ferndale 4.7 miles. Turn right onto Centerville road and continue 5 miles to Centerville beach parking. This site includes the beach and sand spit south of the mouth of the Eel River. Most of the area is in private ownership with the exception of Centerville Beach managed by Humboldt County Parks.

LAND ACCESS: Large truck accessible, with drive on access. ATV or 4WD necessary.

WATER LOGISTICS: No boat launching facilities at this site.

Limitations: depth, obstruction

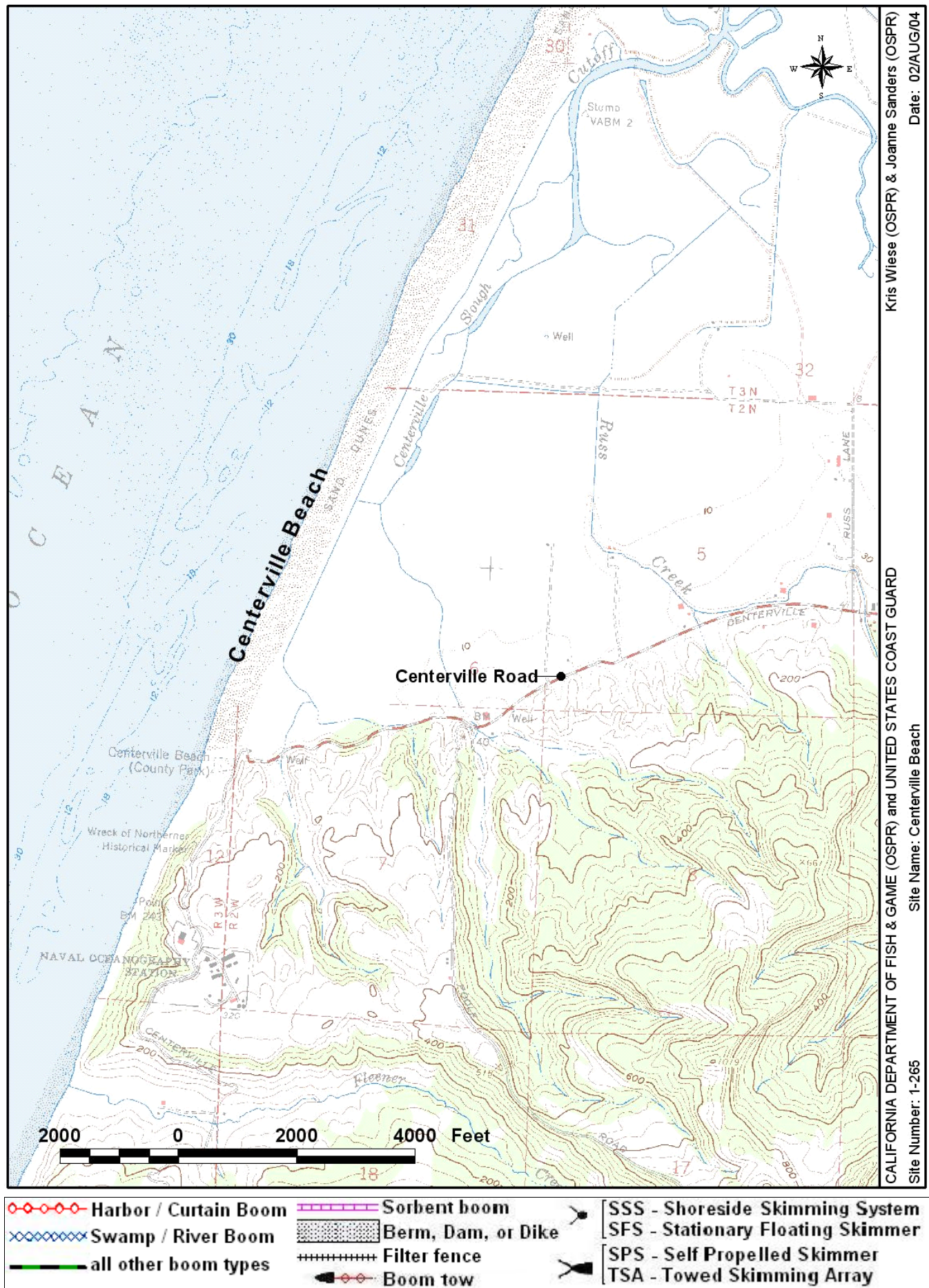
Launching, Loading, Docking and Services Available: Closest launch is Pedrazzini Park near the Cock Robin Island bridge.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The parking area is suitable for staging local response assets only.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
 USGS Quad: **Ferndale**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18620**

Latitude N Longitude W
 40 30' 30" 124 23' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

These offshore rocks are managed by the BLM as part of the California Coastal National Monument. Offshore rocks

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Seabird rookeries: Common murre appx. 8,000; Brandt's cormorant appx. 400; Western gull appx. 220; Pelagic cormorant appx. 170; Pigeon guillemot appx. 150.

Marine mammal haul out areas.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-268 -A Site Strategy - False Cape Rock

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18620

1-268 -A

Latitude N

Longitude W

40 30' 30 124 23' 30"

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme currents, high energy shoreline, offshore rocks

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-268.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no tvae and gear	Boom boat	Skiffs punts	Skimmers No Type	Special and	Equipment or kinds	comment	staff deploy	Staff tend
1-268.1	0	0	0	0	0	0	0	0	0		Protect with off-site response measures only.		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

No access. These offshore rocks are managed by the BLM as part of the California Coastal National Monument.

LAND ACCESS:

WATER LOGISTICS:

Limitations: depth, obstruction

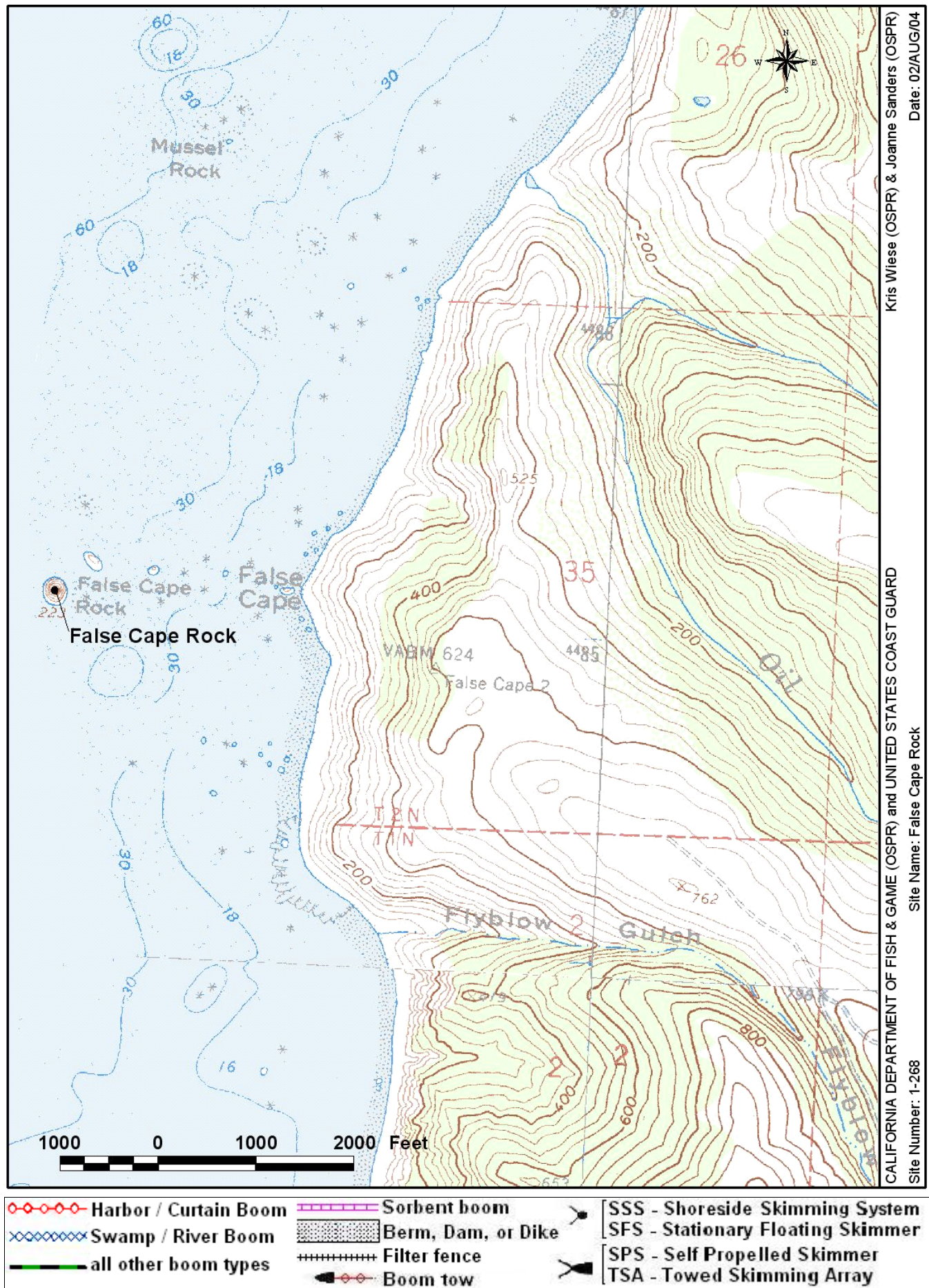
Launching, Loading, Docking

and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: Remote, limited communications.

ADDITIONAL OPERATIONAL COMMENTS:



County: **Humboldt**
USGS Quad: **Capetown**

Thomas Guide Location
CA Road Atlas
NOAA Chart: **18623**

Latitude N Longitude W
40 22' 30" 124 22' 30"

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site includes the coastline and tidal estuary near the mouth of the Bear River. This site is private property. Offshore rocks in the area are managed by BLM as part of the California Coastal National Monument. Tidal flats occur throughout range of map

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Shorebirds and seabirds present.

Anadromous salmonids in Bear River

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-270 -B Site Strategy - Bear River

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-270 -B

Latitude N

Longitude W

40 22' 30 124 22' 30"

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme current, high energy shoreline, offshore rocks.

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-270.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvae and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special No	Equipment or and kinds	comment	staff deploy	Staff tend
1-270.1	0	0	0	0	0		0	0	0		0		Protect with off-site response measures only.		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, take U.S. hwy 101 south and take Fernbridge/Ferndale exit. Continue on this road, turn right onto bridge (State route 211). Follow state route 211 through Ferndale. Turn left onto Mattole Road (2 lane road reduced by earthquake damage to 1 lane road in spots). Access to this area is just off Mattole Road along coast, where Mattole Road crosses Bear River bridge.

Private landowner values and defends his privacy. This site includes the coastline and tidal estuary near the mouth of the Bear River. This site is private property. Offshore rocks in the area are managed by BLM as part of the California Coastal National Monument.

LAND ACCESS: Access may be denied by landowner; Contact Sheriff or BLM

WATER LOGISTICS:

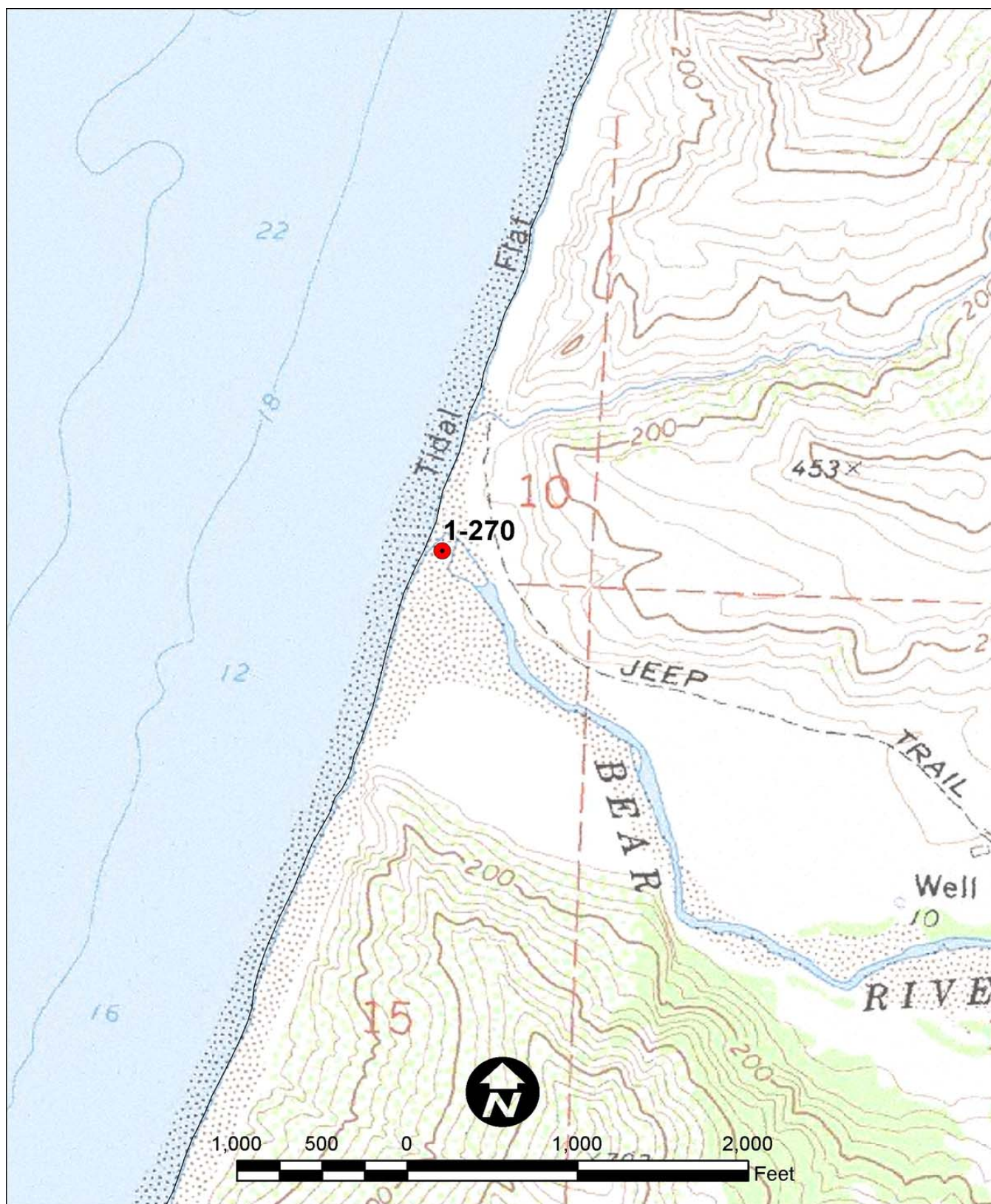
Limitations: depth, obstruction

Launching, Loading, Docking No launch in area
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

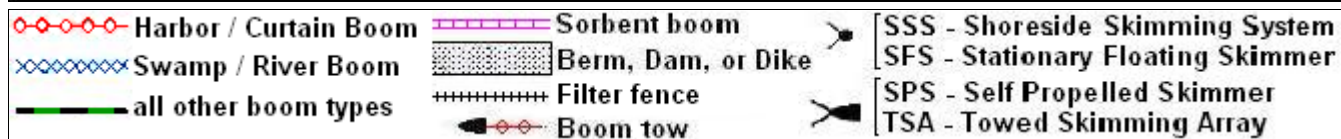
COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS: Lost Coast area cell phone may not work



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site: 1-270 Site Name: Bear River

Jeff Dayton (OSPR) & Greg Ewing (OSPR)
 Date: June 10, 2011



County: **Humboldt**
 USGS Quad: **Cape Mendocino**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18623**

Latitude N Longitude W
 40 26' 30" 124 25'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Offshore rocks in the area are managed by the BLM as part of the California Coastal National Monument. Shoreline is either in private ownership or managed by BLM's Arcata Field Office. Offshore rocks and open water

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Seabird rookeries: Western gull, Pigeon guillemot, Black oystercatcher, Brandt's and Pelagic cormorants. Tufted puffin (SSC) and Double-crested cormorant. All above (01-12).

Steller sea lion (FT) pupping area (05-07) > 12,000 pups surveyed. Pacific harbor seal pupping area (03-09). Haul outs (01-12).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-273 -A Site Strategy - Cape Mendocino

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-273 -A

Latitude N Longitude W

40 26' 30 124 25'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Mattole Road is winding with several blind curves, proceed with caution. High energy shoreline, extreme currents, offshore rocks.

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-273.1 Objective: Intercept spilled oil before it can float to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
1-273.1	0	0	0	0	0	0	0	0	0	Protect with off-site response measures only.	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, take U.S. hwy 101 south and exit at Fernbridge/Ferndale exit. Continue on this road. Turn right onto bridge (State route 211). Follow state route 211 through Ferndale. Turn left onto Mattole Road. This road has earthquake damage (reducing 2 lane road down to 1 lane in spots). Follow Mattole Road to coast. Foot access from Mattole Road. Must obtain access permission from private landowner at Ocean House Ranch. Offshore rocks in the area are managed by the BLM as part of the California Coastal National Monument. Shoreline is either in private ownership or managed by BLM's Arcata Field Office.

LAND ACCESS: tide may block egress from far side of cliff

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking No launch in area
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS: Remote, limited communications.



1-275 -B Site Summary- Steamboat Rock**1-275 -B**

County: **Humboldt**
USGS Quad: **Cape Mendocino**

Thomas Guide Location
CA Road Atlas
NOAA Chart: **18623**

Latitude N Longitude W
40 45' 124 44'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

These offshore rocks are managed by the BLM as part of the California Coastal National Monument. Offshore rocks and open water.

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Seabird rookeries: Common murre (4,500)
Brandt's cormorant (494)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
T	Randy Brown	US Fish and Wildlife Service	(707) 822-7201
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-275 -B Site Strategy - Steamboat Rock

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-275 -B

Latitude N

Longitude W

40 45'

124 44'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme currents, high energy shoreline, offshore rocks

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Strategy 1-275.1 Objective: Prevent spilled oil from floating to this site.

Conventional on-scene response is not possible at this site. Protect with off-site response measures only.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no tvoe and gear	Boom boat	Skiffs punts	Skimmers No Type	Special and	Equipment or kinds	comment	staff deploy	Staff tend
1-275.1	0	0	0	0	0	0	0	0	0		Protect with off-site response measures only.		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

No access. These offshore rocks are managed by the BLM as part of the California Coastal National Monument.

LAND ACCESS:

WATER LOGISTICS:

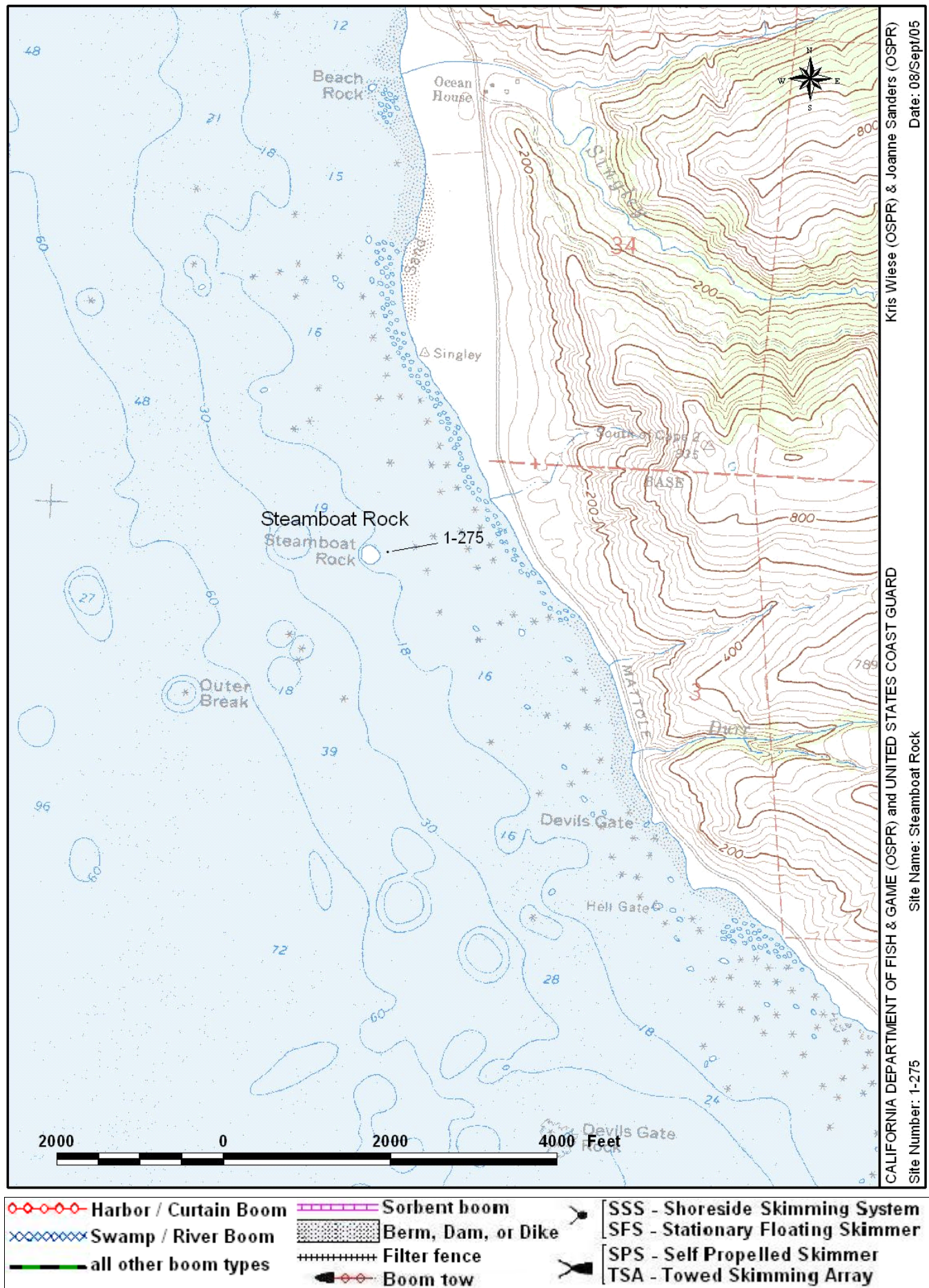
Limitations: depth, obstruction

Launching, Loading, Docking No launch in area
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS:



1-279 -B Site Summary- Hair Seal Rock**1-279 -B**

County: **Humboldt**
USGS Quad: **Petrolia**

Thomas Guide Location
CA Road Atlas
NOAA Chart: **18623**

Latitude N Longitude W
40 20' 124 21'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

These offshore rocks are managed by the BLM as part of the California Coastal National Monument. Offshore rocks

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Brandt's and Pelagic cormorants

Pacific harbor seal haul out area, 350 observed.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
T	Randy Brown	US Fish and Wildlife Service	(707) 822-7201
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-279 -B Site Strategy - Hair Seal Rock

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-279 -B

Latitude N

40 20'

Longitude W

124 21'

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme current, high energy shoreline, offshore rocks

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or No and kinds	comment	staff deploy	Staff tend
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LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

No access. These offshore rocks are managed by the BLM as part of the California Coastal National Monument.

LAND ACCESS:

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking No launch in area
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS: Lost Coast area cell phones may not work



County: **Humboldt**
 USGS Quad: **Petrolia**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18623**

Latitude N Longitude W
 40 17' 30" 124 21'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site includes the Mattole River estuary or seasonal lagoon and the bordering marshes along the southern margin. It is part of the Kings Range National Conservation Area managed by BLM. This site has a complex estuary that is open and closed to tidal action by seasonal hydrological events. There are about 5 acres of alder and herbacious marshes along the southwest margin of the estuary, and a campground and picnic area at the end of the access road.

SEASONAL and SPECIAL RESOURCE CONCERN

This river mouth is highly dynamic and site evaluation will be necessary prior to equipment deployment.

RESOURCES OF PRIMARY CONCERN

The Mattole River mouth changes seasonally according to prevailing hydrological events. The highly sensitive estuarine habitat should be protected from oiling when possible.

Shorebirds, seabirds, waterfowl. California brown pelican (04-11), Bald eagle (SE) and peregrine falcon; both (01-12).

Anadromous salmonids: Coho (FT,ST) and Chinook (FT) salmon, Steelhead (FT).

- spawning runs (08-06)
- juveniles/smolts (02-08)

Pacific lamprey

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
T		BLM King Range Office	(707) 986-5400
O		BLM 24 hour dispatch	(707) 268-2000
T		Bureau of Land Management	(707) 825-2300
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-285 -A Site Strategy - Mattole River

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-285 -A

Latitude N

Longitude W

40 17' 30 124 21'

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

The south side is an alder and marsh wetland which would be extremely difficult to clean up. Keep oil out of wetland and shunt to bare sand or gravel areas where ecological impacts will be minimal. Because birds use the water surface and fish the lagoon, minimize the spread of oil and confine by booming to near shorelines.

HAZARDS and RESTRICTIONS:

SITE STRATEGIES

Strategy 1-285.1 Objective: Primary: When mouth is open, threatening oiling with tidal inflow, exclusion-deflection booming to collection at southwest corner of Lagoon.

Deploy boom from the cliff headland on the north to the opening of the marshy channel at the south west corner. Angle the boom across the influent current to minimize entrainment of oil and maximize oil movement into a collection area at the southwest margin. Use pom-poms or oil snare to retain and immobilize oil. Evaluate for mechanical collection needs.

Strategy 1-285.2 Objective: Alternative: When mouth is open and there are winds exceeding 20 knots west, threatening oiling with tidal inflow, exclusion-deflection booming to collection along the north shoreline.

Deploy boom from the southern spit to the bar or any other vantage point on the north bank where oil can be landed. Retain oil with pom-poms until more effective measures can be installed. Vehicle access to the north bank may be difficult or impossible (ford). Cascade 1000 ft sections of swamp boom or larger (3000 ft)

Strategy 1-285.3 Objective: When outflows are heavy, little oil can enter; cautionary booming of small slough at south west corner

Boom the slough at southwest corner with 100 ft of swamp boom. Secure with stakes.

Strategy 1-285.4 Objective: When the berm is intact but surge is overwashing it, install boom on back side of berm and collect the oil.

Stake a layer of swamp boom along the back side of any berm washover, positioning it so that oil can be collected at the southerly end. Use oilsnares to retain and immobilize oil.

Strategy 1-285.5 Objective: Alternative when berm is intact and oil is overwashing, berm and collect oil on back slope of berm using runnel.

Using excavating equipment, build-up the berm using sediments on downslope and high areas. Runnel will collect any oil which overflows. Plastic may be necessary to line front face to minimize further overwash erosion.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special and	Equipment or kinds	comment	staff deploy	Staff tend
1-285.1	0	1000	100	0	0 4 15# anchors	0	0	0		0				
1-285.2	0	3000	100	0	0 15# danforths.	0	0	0		0				
1-285.3	0	100	0	0	0 stakes.	0	0	0		0				
1-285.4	0	1000	100	0	0 stakes.	0	0	0		0				
1-285.5	0	0	0	0	0	0	0	0		0	skip loader and 200 ft plastic			

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go south on U.S. hwy 101. Exit U.S. hwy 101 at Fernbridge/Ferndale exit. At Fernbridge, turn right into bridge (state route 211). Follow state route 211 for 4.8 miles through Ferndale. Turn left onto Mattole Road (2 lane road may be reduced to 1 lane in spots due to earthquake damage). Follow Mattole Road through Petrolia (30.4 miles). Turn right onto Lighthouse Road. This road parallels river to the mouth. This site includes the Mattole River estuary or seasonal lagoon and the bordering marshes along the southern margin. It is part of the Kings Range National Conservation Area managed by BLM.

LAND ACCESS: Lock gate access, with easy access for all vehicles

WATER LOGISTICS: shallows

Limitations: depth, obstruction

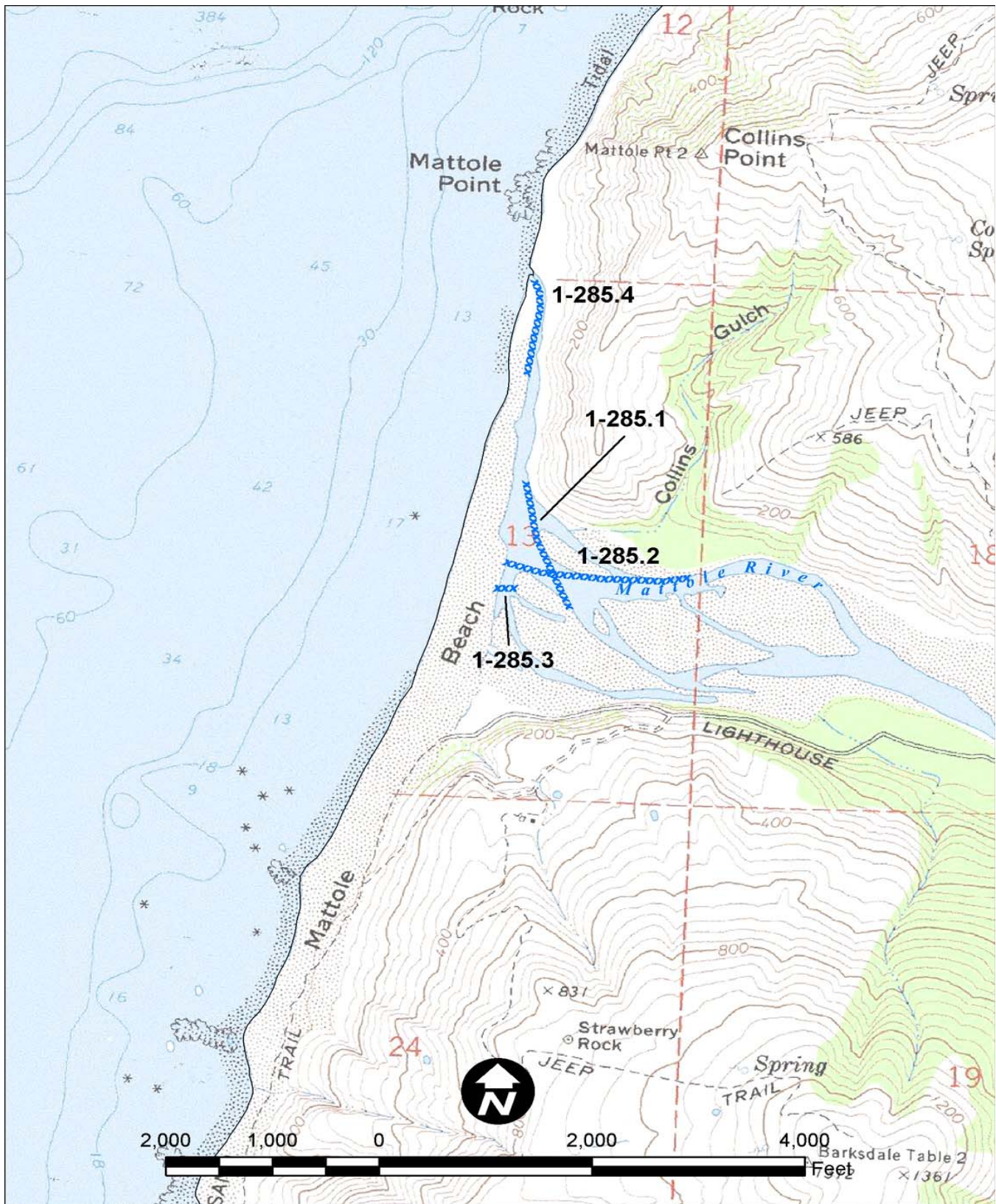
Launching, Loading, Docking across beach launch at campground. Launch at ford to bar on north upstream.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

This area is suitable for local equipment staging. A campground with toilets at southwest corner, with non-potable(?) water available. No other services are nearby. The northern trail access for the 26 mile long Lost Coast Trail in the Kings Range Nat. Conservation Area begins here.

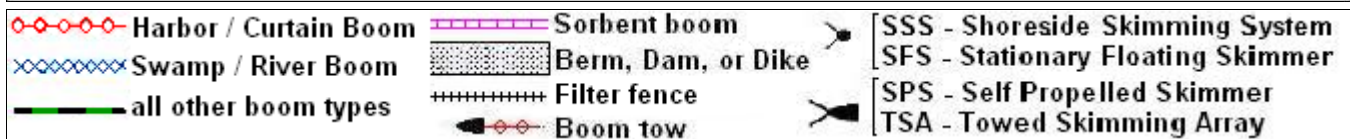
COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS: Lost Coast area cell phones may not work.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site: 1-285 Site Name: Mattole River

Jeff Dayton (OSPR) & Greg Ewing (OSPR)
 Date: May 18, 2011



County: **Humboldt**
 USGS Quad: **Cooskie Creek**

Thomas Guide Location
 CA Road Atlas
 NOAA Chart: **18623**

Latitude N Longitude W
 40 12' 30" 124 18'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site is within the Kings Range National Conservation Area managed by BLM. Wave-cut platforms and mixed and gravel beach

SEASONAL and SPECIAL RESOURCE CONCERN

RESOURCES OF PRIMARY CONCERN

Seabirds and shorebirds present
 Pacific harbor seal haul outs (01-12)
 Steelhead (FT)
 - spawning period (10-03)
 - juveniles/smolts (02-05)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
O		BLM 24 hour dispatch	(707) 268-2000
T		BLM King Range Office	(707) 986-5400
T		Bureau of Land Management	(707) 825-2300
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-290 -B Site Strategy - Cooksie Creek

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-290 -B

Latitude N Longitude W

40 12' 30 124 18'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

high energy shoreline

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or No and kinds	comment	staff deploy	Staff tend
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LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

No access except from Lost Coast trail. This site is within the Kings Range National Conservation Area managed by BLM.

LAND ACCESS: foot only

WATER LOGISTICS:

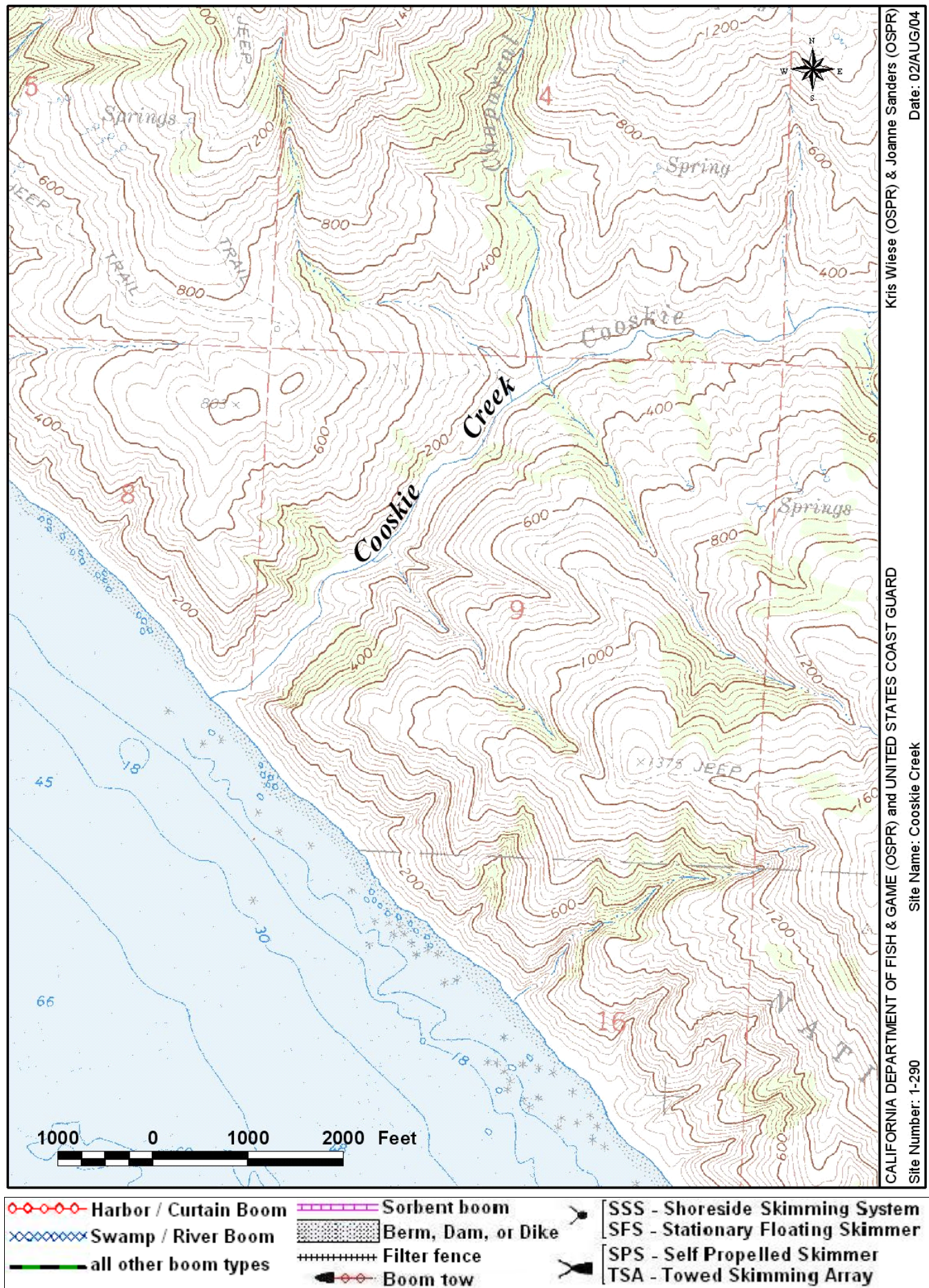
Limitations: depth, obstruction

Launching, Loading, Docking Closest launch is in Shelter Cove
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS: Lost Coast area cell phones may not work



1-294 -A Site Summary- Shubrick Peak**1-294 -A**

County: **Humboldt**
USGS Quad: **Shubrick peak**

Thomas Guide Location
CA Road Atlas
NOAA Chart: **18623**

Latitude N
40 10'
Longitude W
124 12'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

This site is within the Kings Range National Conservation Area managed by BLM. Tidal flat and wave-cut platform

SEASONAL and SPECIAL RESOURCE CONCERN

Breeding seabirds will use these rocks for nesting in the spring. Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

The rocks are sensitive to human intrusion year round, especially during nesting season (03-09) when the adults are on eggs and until the young have fledged from the nest.

Seabirds present

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Humboldt County Sheriff	(707) 445-7251
O		BLM 24 hour dispatch	(707) 268-2000
T		BLM King Range Office	(707) 986-5400
T		Bureau of Land Management	(707) 825-2300
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-294 -A Site Strategy - Shubrick Peak

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18623

1-294 -A

Latitude N

40 10'

Longitude W

124 12'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme current, high energy shoreline, offshore rocks

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no tpe and gear	Boom boat	Skiffs punts	Skimmers No Type	Special No and	Equipment or kinds	comment	staff deploy	Staff tend
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LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access via jeep trail through BLM and private lands may be possible. Private landing strip at Big Flat. This site is within the Kings Range National Conservation Area managed by BLM.

LAND ACCESS:

WATER LOGISTICS:

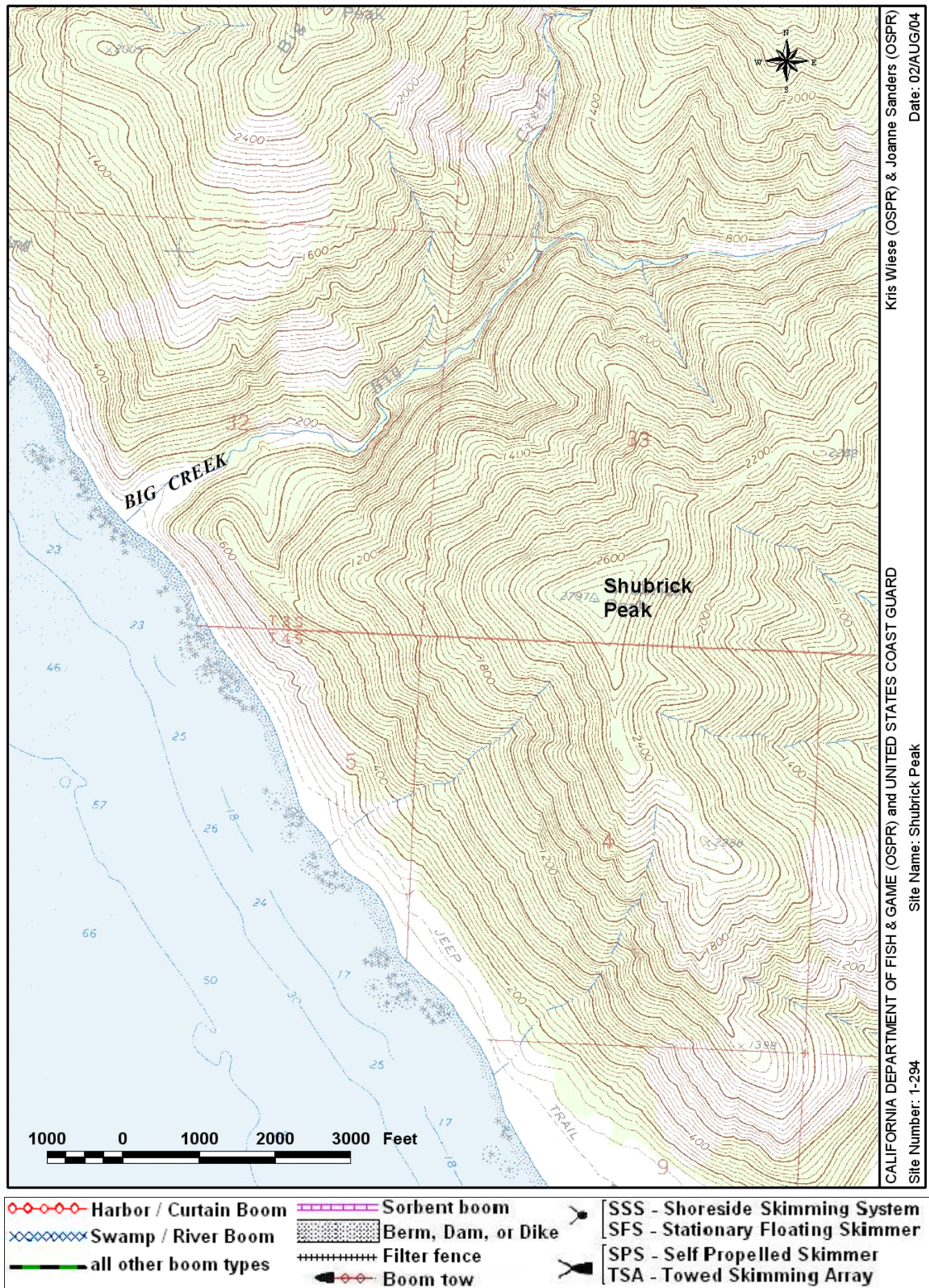
Limitations: depth, obstruction

Launching, Loading, Docking Closest launch is in Shelter Cove
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS: Lost Coast area cell phones may not work



1-298 -B Site Summary- Shelter Cove and Cormorant Hotel**1-298 -B**

County: **Humboldt**
USGS Quad: **Shelter Cove**

Thomas Guide Location
CA Road Atlas
NOAA Chart: **18620**

Latitude N
40 02'
Longitude W
124 05'

Last Page Update : 7/1/1996

SITE DESCRIPTION:

Shelter Cove is a small community on the Southern Humboldt coast. Humboldt Bay Harbor District manages the boat launch facility. Public lands surround the community and are managed by the BLM as part of the Kings Range National Conservation Area. Offshore rocks in the area are managed by BLM as part of the California Coastal National Monument. Rocky headlands, offshore rocks.

SEASONAL and SPECIAL RESOURCE CONCERN

Offshore rocks provide roosting and nesting habitat for birds and haul out locations for marine mammals. Care should be taken so that response activities do not flush wildlife from these areas. The offshore rocks have cultural significance for local tribes.

RESOURCES OF PRIMARY CONCERN

Shelter Cove is a small, unprotected harbor that is surrounded by high energy beaches and rocky cliffs. Minimal on-scene response during rare low sea state conditons only. The areas coastline and offshore rocks provide potential habitat for sea bird colonies and marine mammal haul outs.

Seabird rookery: Pelagic cormorant (as many as 280 observed)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 445-7000, and/or Ms. Vicki Bates, Coordinator of the North Coast Information Center (707) 482-1822.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		BLM 24 hour dispatch	(707) 268-2000
T		Bureau of Land Management	(707) 825-2300
T		BLM King Range Office	(707) 986-5400
T		California Dept of Fish and Game, Fort Bragg	(707) 964-9078
T	Randy Brown	US Fish and Wildlife Service	(707) 822-7201
E	Richard Culp	Shelter Cove Resort Improvement District	(707) 986-7747
T	Rick Hanks Manager	California Coastal National Monument	(831) 915-4621
O	Troy Nicolini	National Weather Service Woodley Island	(707) 442-2171

ADDITIONAL SITE SUMMARY COMMENTS:

For further information about coastal access in this area, please refer to the California Coastal Commission's California Coastal Access Guide. For photos of the coastline in this area, please refer to the California Coastal Records Project (www.californiacoastline.org).

1-298 -B Site Strategy - Shelter Cove and Cormorant Hotel

County and Thomas Guide Location

CA Road Atlas Humboldt

NOAA CHART

18620

1-298 -B

Latitude N

40 02'

Longitude W

124 05'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

The rugged coastline will prevent on shore response over most of this area. Off site measures including dispersants should be considered when a spill threatens to impact this area. Overflights should be careful to maintain flight path and altitude clearance distances that are large enough to prevent the flushing of birds and marine mammals from their nests, roosts, and haul outs sanctuaries on the offshore rocks in this area.

HAZARDS and RESTRICTIONS:

Extreme current, high energy shoreline, offshore rocks

SITE STRATEGIES

This site is best protected by preventing the oil from arriving here, when possible. Off site response options including dispersants should be considered.

Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special No and	Equipment or kinds comment	staff deploy	Staff tend
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LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Eureka, go south on U.S. hwy 101. Take Redway exit M.P. 11.653. Follow this road to Redway. Turn right onto Shelter Cove - Briceland Road. Continue on this road to Whitethorn Junction (large fork in the road). Do not turn. Continue on Shelter Cove Road into Shelter Cove. Follow the city road paralleling the coastline. Shelter Cove is a small community on the Southern Humboldt coast. Humboldt Bay Harbor District manages the boat launch facility. Public lands surround the community and are managed by the BLM as part of the Kings Range National Conservation Area. Offshore rocks in the area are managed by BLM as part of the California Coastal National Monument.

LAND ACCESS: Drive on access in the Cove, ATV's at the Lost Coast Trail

WATER LOGISTICS: Beach boat launching in the Cove

Limitations: depth, obstruction

Launching, Loading, Docking Boat launch at Shelter Cove

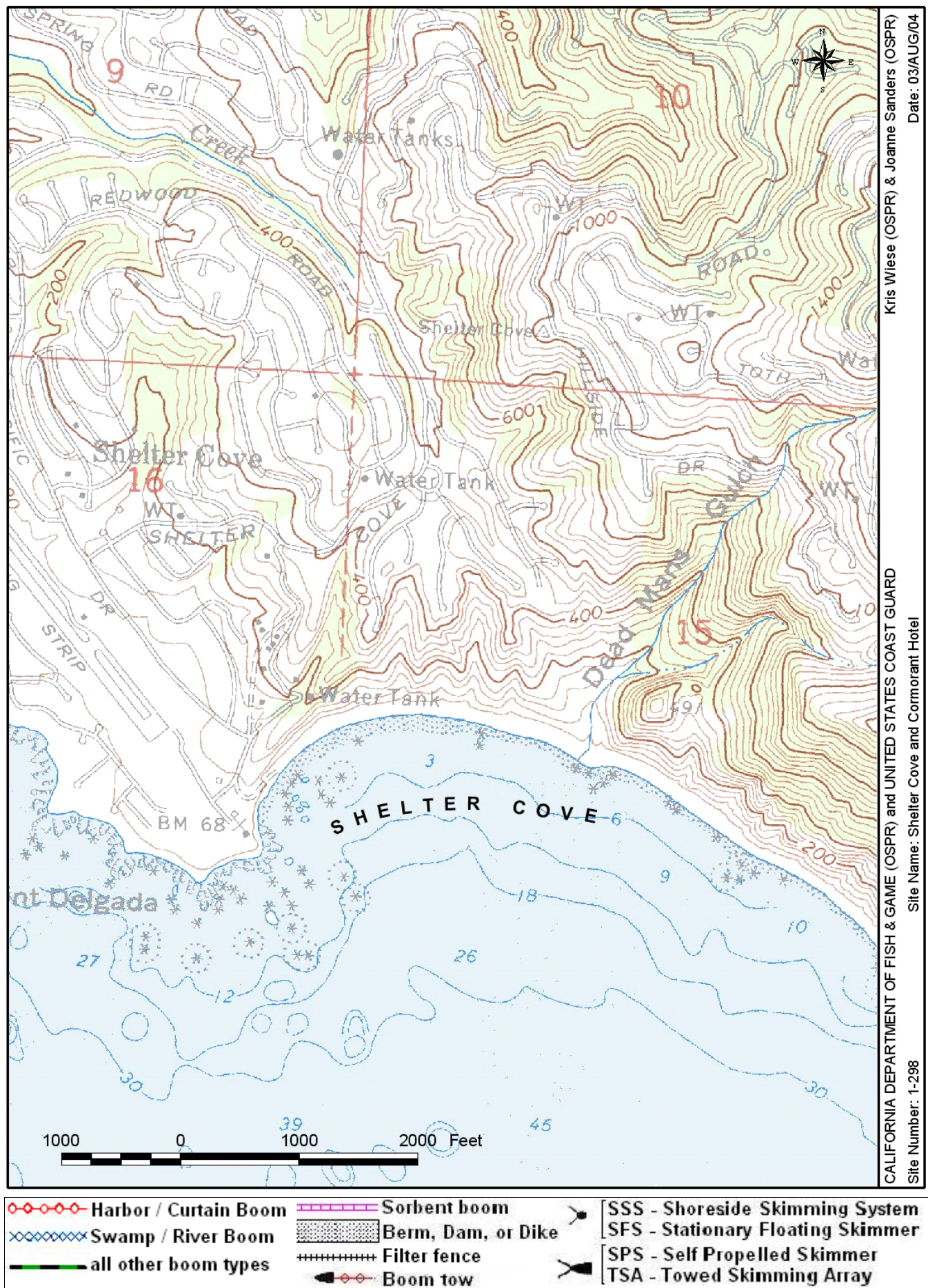
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Staging for large local response equipment is available at Shelter Cove. Lodging, camping areas, water, phone, fuel, and food are all available in the local area. Additional staging is available nearby at Black Sands Beach. This beach is at the southern end of the Lost Coast Trail in the Kings Range National Conservation Area.

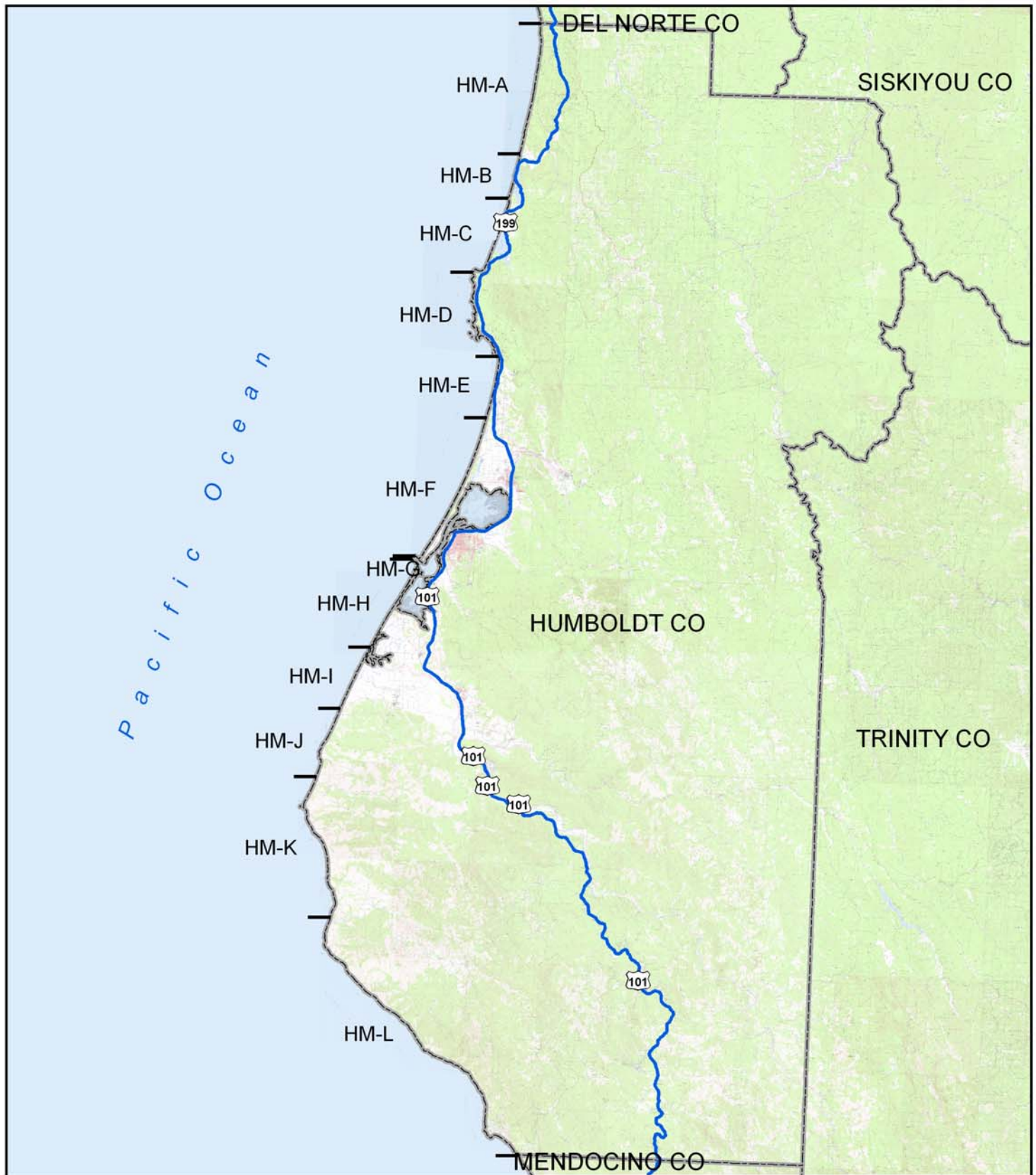
COMMUNICATIONS PROBLEMS: Remote, limited communications

ADDITIONAL OPERATIONAL COMMENTS:



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Humboldt County Operational Divisions



Legend

— Shoreline Operational Divisions

0 5 10 20 30 Miles

Source: K. Wiese

Humboldt County Divisions

Division	GPSstart	GPSstop	Description
A	41.464221, -124.06514	41.29445, -124.09158	Del Norte/Humboldt County line to North of Redwood Creek
B	41.29445, -124.09158	41.23641, -124.10905	North of Redwood Creek to Sharp Point
C	41.23641, -124.10905	41.13857, -124.16351	Sharp Point to Rocky Point
D	41.13857, -124.16351	41.03131, -124.11426	Rocky Point to Moonstone Beach
E	41.03131, -124.11426	40.95125, -124.1291	Moonstone Beach to Mad River
F	40.95125, -124.1291	40.76917, -124.23957	Mad River to North Jetty
G	40.76917, -124.23957	40.76469, -124.24455	Humboldt Bay
H	40.76469, -124.24455	40.64864, -124.30854	South Jetty to North of Eel River Mouth
I	40.64864, -124.30854	40.56785, -124.3546	North of Eel River Mouth to North of Naval Oceanography Station
J	40.56785, -124.3546	40.47801, -124.38976	North of Naval Oceanography Station to North of Bear River
K	40.47801, -124.38976	40.29709, -124.35524	North of Bear River to Collins Gulch
L	40.29709, -124.35524	40.0004, -124.02243	Collins Gulch to Humboldt/Mendocino County line