

**1-135-A Site Summary - Point St. George****1-135-A****County:** Del Norte **ACP Division/Segment:** DN - D - S01 DN - C - S02**NOAA Chart:** 18603**Map Book:** CA Road Atlas**Decimal Degrees:** 41.78314 -124.25119**Site Description:**

The Point St. George site includes offshore rocks and the rocky headlands and adjacent beaches. The beach and sand dunes between Point St. George and the Smith River are managed by State Parks as Tolowa Dunes State Park. Site is associated with BLM's California Coastal National Monument, White Rock and Tolowa Rocks. The site consists of a large offshore rock with associated features that include rocky headlands, wave-cut platforms, gravel beaches. Conventional response is not realistic based upon current technology.

Large rocky intertidal areas surrounding the wave-cut platforms. Seabird rookeries (02-10): black oystercatchers, western gulls, pelagic cormorants, pigeon guillemots, fork-tailed storm petrel (SSC), marbled murrelets (FT, SE)(01-12), harlequin ducks (SSC)(10-04), plovers and turnstones not breeding but present, marine mammals, groundfish (EFH).

**Resources at Risk:***ESI and Habitat:* 1A Exposed Rocky Shore

2A Exposed wave-cut platforms in bedrock, mud, or clay

6A Gravel Beach

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	marbled murrelet	FT, SE	Year-round	
Birds	peregrine falcon	FP, SP	Year-round	
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	bird rookeries		Year-round	Mar-Sep
Insects	Oregon silverspot butterfly	FT	Year-round	
Mammals	California sea lion	FP	Year-round	May-Aug
Mammals	Steller sea lion	FP	Year-round	May-Aug
Plants	western lily	FE, SE	Year-round	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

**List of Key Contacts:**

Type	Name/Title	Organization	Phone
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
C	/	Tolowa Dee-ni' Nation	(707) 487-9255
E	/	Del Norte County Parks	(707) 464-7230
E	/	Del Norte County Sheriff's Department	(707) 464-4191
T	/	Bureau of Land Management	(707) 825-2300
T	/	NOAA National Marine Fisheries Service-Arcata	(707) 822-7201
T	/	US Fish and Wildlife Service-Arcata Field Office	(707) 822-7201
T	/	Yurok Tribal Office, Klamath	(707) 482-1350

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

**Additional Site Summary Comments:**

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

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](http://www.californiacoastline.org)).

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) 373-3710, the State Office of Historical Preservation (916) 445-7000, and/or the Northwest Information Center (707) 588-8455.

**Concerns and Advice to Responders:**

The rugged coastline will prevent onshore 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 on the offshore rocks in this area.

**Hazard and Restrictions:**

High energy shoreline, extreme currents, offshore rocks, unpredictable waves.

**Site Strategies:****Site Validation Level: II**

**Strategy: 1-135.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

**Strategy:** 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

**Last Page Update****Logistics:**

**Directions:** Go north through Crescent City on Hwy 101 to Northcrest Drive M.P. 27.010. Turn left (north) on Northcrest Dr. Turn left on W. Washington Blvd and follow to end. Turn north on N Pebble Beach Dr and continue to parking lot at end. Vehicular access to the beach is possible through a locked gate. Contact Del Norte County Sheriff for assistance 707-464-4191.

**Land Access:** Locked access to the beach. Contact Del Norte Sheriff for assistance.

**On-Water Limitations:**

**Facilities, Staging Areas, Command Posts, Available Equipment:** Staging for a local response is available at the end of N. Pebble Beach Rd. No utilities or services are available, just parking space.

**Communications Problems:**

**Additional Operational Comments:**



**1-140-A Site Summary - Castle Rock National Wildlife Refuge****1-140-A****County:** Del Norte **ACP Division/Segment:** DN - D - S01**NOAA Chart:** 18603**Map Book:** CA Road Atlas**Decimal Degrees:** 41.76154 -124.24979**Site Description:**

Castle Rock National Wildlife Refuge is a half a mile offshore near Crescent City. This coastal rock covers approximately 14 acres, and rises steeply 335 feet above sea level. Site is within the following State Marine Protected Area(s): Castle Rock Special Closure. Site is associated with BLM's California Coastal National Monument resources. Offshore rock. Habitat damage could result from intrusive response. Trustees recommend against onsite response.

CRNWR is the second largest nesting seabird colony south of Alaska after the Farallon Islands. The estimated number of seabirds using Castle Rock has been as high as 150,000. It also has the largest breeding population of common murres in California; a 2004 estimate for common murres was 82,700. Several protected species use this rock as a protected area for nesting, roosting, pupping, and rearing young.

Aleutian cackling goose (10-11;02-04) use rock as roosting area. California brown pelican (04-11), peregrine falcon (01-12), rhinoceros auklet and tufted puffins (SSC)(01-12). Seabird rookeries (03-09): common murre, pigeon guillemot, Leach's storm petrel, Cassin's auklet (SSC), western gull, Brandt's and pelagic cormorants. Steller's sea lion (FT)(01-12), elephant seals haul out (01-12), pupping (05-07), Pacific harbor seal adults, sub-adults, juveniles haul out (01-12), groundfish (EFH).

**Resources at Risk:***ESI and Habitat:* 1A Exposed Rocky Shore**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	tufted puffin	FP, SSC	Year-round	Mar-Sep
Birds	fork-tailed storm petrel	FP, SSC	Year-round	Mar-Sep
Birds	marbled murrelet	FT, SE	Year-round	
Birds	peregrine falcon	FP, SP	Year-round	
Mammals	harbor seal	FP	Year-round	May-Aug
Mammals	California sea lion	FP	Year-round	
Mammals	Northern elephant seal	FP	Year-round	May-Aug
Mammals	Steller sea lion	FP	Year-round	

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**List of Key Contacts:**

Type	Name/Title	Organization	Phone
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/	Del Norte County Sheriff's Department	(707) 464-4191
T	/	Bureau of Land Management	(707) 825-2300
T	/Refuge Manager	Castle Rock Wildlife Refuge	(707) 733-5406
T	/	NOAA National Marine Fisheries Service-Arcata	(707) 822-7201
T	/	US Fish and Wildlife Service-Arcata Field Office	(707) 822-7201
T	/	Yurok Tribal Office, Klamath	(707) 482-1350

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security



**Additional Site Summary Comments:**

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

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](http://www.californiacoastline.org)).

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) 373-3710, the State Office of Historical Preservation (916) 445-7000, and/or the Northwest Information Center (707) 588-8455.

**Concerns and Advice to Responders:**

The rugged coastline will prevent onshore 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 haulouts on the offshore rocks in this area.

**Hazard and Restrictions:**

This is a USFWS Refuge. Access and/or response is not allowed without permission from USFWS refuge manager.

**Site Strategies:****Site Validation Level: II**

**Strategy: 1-140.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART

**Strategy:** 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

**Last Page Update****Logistics:**

**Directions:** CONTACT USFWS REFUGE MANAGER IMMEDIATELY. Boat/avon access is extremely difficult, and not permitted without refuge manager's permission. This rock may be observed from the west end of Washington Blvd and N. Pebble Beach Drive in Crescent City.

**Land Access:** None

**On-Water Limitations:** Launch facilities in Crescent City harbor.

**Facilities, Staging Areas, Command Posts, Available Equipment:** None

**Communications Problems:**

**Additional Operational Comments:**



**1-145-A Site Summary - Elk Creek and Crescent City Harbor****1-145-A****County:** Del Norte **ACP Division/Segment:** DN - D - S02**NOAA Chart:** 18603**Map Book:** CA Road Atlas**Decimal Degrees:** 41.74853 -124.19271**Site Description:**

Crescent City Harbor District manages the harbor and marina. Dungeness crab is the primary commercial species landed in the harbor. Elk Creek flows into the harbor and is managed as the Elk Creek Wildlife Area by the Department of Fish and Wildlife. Site is associated with BLM's California Coastal National Monument resources. A shallow protected harbor with dredged areas to accommodate commercial fishing vessels. Elk Creek has riprap north of the mouth and a sandy beach on the south. Elk Creek flows into a developed commercial and recreational harbor that is susceptible to tsunami waves. The last Tsunami that caused damage here occurred March 12, 2011 and resulted in destruction of the inner boat basin which has been rebuilt to withstand higher forces.

This is a high bird use area year round. Seawater intakes to Ocean World aquarium are within the inner boat basin.

The marsh at the mouth of Elk Creek forms a small estuary used by salmonids. The harbor is used by many recreational and commercial fishermen. California brown pelican (04-11), marbled murrelet (FT,SE)(01-12), common loon (SSC), elegant tern (07-10), fork-tailed storm petrel (SSC)(02-10), rhinoceros auklet (01-12), black oystercatcher, osprey (01-12), wading birds and waterfowl (01-12). Haulouts for California sea lions and harbor seals (01-12). Coho salmon (FT, ST), steelhead (SSC), and coastal cutthroat trout (SSC): spawning runs (10-06), smolts/juveniles (02-08). Herring spawning (12-03), larval and juveniles (03-08), eelgrass.

**Resources at Risk:***ESI and Habitat:* 6B Riprap

8C Sheltered riprap

9A Sheltered tidal flats

9A Sheltered tidal flats

10A Salt - and brackish-water marshes

**List of Resources at Risk:**

	<b>Resource Name</b>	<b>Status</b>	<b>Presence</b>	<b>Sensitivity</b>
Amphibians	Northern red-legged frog	SSC	Year-round	
Birds	marbled murrelet	FT, SE	Year-round	
Birds	common loon	FP, SSC	Year-round	
Birds	bird rookeries		Mar-Sep	
Fish	salmonids		Year-round	
Mammals	California sea lion	FP	Year-round	
Mammals	harbor seal	FP	Year-round	
Plants	sensitive plant community		Year-round	

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**List of Key Contacts:**

Type	Name/Title	Organization	Phone
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/	Battery Point Light House	(707) 464-3089
E	/	Del Norte County Sheriff's Department	(707) 464-4191
O	/Office	Ocean World Aquarium	(707) 464-4900
T	/Agency Representative	California Department of Fish & Wildlife, Eureka	(707) 445-6493
T	/Harbor Master	Crescent City Harbor District	(707) 464-6174
T	/	NOAA National Marine Fisheries Service-Arcata	(707) 822-7201
T	/	US Fish and Wildlife Service-Arcata Field Office	(707) 822-7201
T	/	Yurok Tribal Office, Klamath	(707) 482-1350

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

**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](http://www.californiacoastline.org)).

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) 373-3710, the State Office of Historical Preservation (916) 445-7000, and/or the Northwest Information Center (707) 588-8455.



**Concerns and Advice to Responders:**

Oiling of marsh habitats in Elk Creek could cause long term damage and be difficult to clean up. Avoid anchoring in eelgrass beds.

Seawater intakes to Ocean World aquarium are in the northern corner of the inner boat basin. Contact them if necessary: (707.464.4900)

**Hazard and Restrictions:**

This is a heavily used commercial area. The harbor, roads, and parking lots surrounding it may have heavy traffic including heavy equipment at times.

**Site Strategies:****Site Validation Level: V****Strategy: 1-145.1 Objective:** Exclude Oil

*Strategy:* Boom the mouth of Elk Creek with harbor boom to prevent oiling. The estuary can be boomed on foot at lower tides.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	600 feet				
anchor	Danforth	25 lb		4		
boat	Skiff			1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Strategy: 1-145.2 Objective:** Other: See Strategy Box

*Strategy:* Boom the entrance channel to the boat basin to exclude incoming oil or retain spilled oil within the inner boat basin for recovery.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	300 feet				
Boom	Sorbent	600 feet				
Anchor	Danforth	25 lb		4		
boat	Boom Boat			1		
Staff	Staff to Deploy			4		
Staff	Staff to Deploy			2		

**Strategy: 1-145.3 Objective:** Exclude Oil

*Strategy:* This is an alternate or secondary strategy to 1-145.1 and may be more appropriate under heavy wave action. Boom the mouth of Elk Creek and deflect oil to collection point near trailer park. This strategy was developed during the March 2011 tsunami response.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor	600 feet				
Anchor	Danforth	25 lb		4		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Strategy: 1-145.4 Objective:** Exclude Oil

*Strategy:* This is an alternate or secondary strategy to 1-145.1 and 1-145.3 and may be more appropriate under heavy wave action. Deploy sorbent boom near creek mouth to prevent oil from moving upstream on flood tide. This strategy was developed during the March 2011 tsunami response.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Sorbent	200 feet				
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

**Logistics:**

*Directions:* Elk Creek: From Hwy 101 North into Crescent City, turn left onto Front Street or Sunset Circle. The mouth of Elk Creek and parking areas and trails off Play St and Battery St provide access on the west side. The east side is accessible from the Shoreline RV Campground. Crescent City Harbor: From Hwy 101 North, turn left onto Anchor Drive or Citizen's Dock Rd. A boat launch is available on south side near Whaler's Island and hoist near Citizen's Dock.

*Land Access:* Foot access to Elk Creek

*On-Water Limitations:* Large and small vessel launching facilities available

*Facilities, Staging Areas, Command Posts, Available Equipment:* Crescent City Harbor has public areas suitable for staging large quantities of equipment and personnel. Boat ramps and lifts are available for launching vessels. Restaurants, lodging and fuel are available nearby. Electricity and water may be available in some cases.

*Communications Problems:*

*Additional Operational Comments:* Heavy wave action may complicate conventional response.



**1-150-A Site Summary - Battery Point****1-150-A****County:** Del Norte **ACP Division/Segment:** DN - D - S01**NOAA Chart:** 18603**Map Book:** CA Road Atlas**Decimal Degrees:** 41.74654 -124.20449**Site Description:**

Battery Point is a nearshore rock island that is accessible by foot only at lower tides and inaccessible at higher tides. Battery Point Lighthouse and Museum are located at the foot of A Street in Crescent City. This is an active lighthouse that serves as a private aid to navigation. Site is associated with BLM's California Coastal National Monument resources. Battery Point is currently a Maritime Museum and is operated by Del Norte County. The Cape Cod structure built of brick and granite offers visitors a look at the maritime history of the region and gives great insight to the life of a light keeper. Worn from storms and tidal waves, this 45 foot tower and attached lean-to still function today as an important navigational aid to seaward travelers along the northern Pacific coast. The rock and lighthouse are largely a historical and cultural attraction.

Note: area of frequent sightings of marbled murrelet (FT,SE)(01-12) - fledglings on water (07-09) - adults (01-12). Other seabirds include California brown pelican, common loon (SSC), harbor seals (01-12), California sea lions (01-12), kelp beds (01-12), groundfish (EFH).

**Resources at Risk:***ESI and Habitat:* 1A Exposed Rocky Shore

2A Exposed wave-cut platforms in bedrock, mud, or clay

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Birds	marbled murrelet	FT, SE	Year-round	Jul-Sep
Birds	common loon	FP, SSC	Year-round	
Fish	coho salmon - north of Punta Gorda	FT, ST	Year-round	
Fish	steelhead - Central/Northern California	FT	Year-round	
Fish	chinook salmon - S. Oregon/N. California coastal	SSC	Year-round	
Mammals	California sea lion	FP	Year-round	
Mammals	harbor seal	FP	Year-round	

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E	/	Battery Point Light House	(707) 464-3089
E	/	Del Norte County Parks	(707) 464-7230
E	/	Del Norte County Sheriff's Department	(707) 464-4191
T	/Harbor Master	Crescent City Harbor District	(707) 464-6174
T	/	NOAA National Marine Fisheries Service-Arcata	(707) 822-7201
T	/	US Fish and Wildlife Service-Arcata Field Office	(707) 822-7201
T	/	Yurok Tribal Office, Klamath	(707) 482-1350

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security



**Additional Site Summary Comments:**

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

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**Concerns and Advice to Responders:**

Battery Point Lighthouse is only accessible at low tide.

**Hazard and Restrictions:**

Offshore rocks and kelp beds. Extreme current and high energy shoreline. This is a busy commercial and recreational harbor. Heavy equipment may be in operation around the area.

**Site Strategies:****Site Validation Level: II**

**Strategy: 1-150.1 Objective:** No Onsite Options: Consider Offshore Containment/Recovery/ART  
*Strategy:* 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

**Last Page Update****Logistics:**

*Directions:* Go north on Hwy 101 into Crescent City. Turn left (west) onto Front Street and continue to end, turn left on Lighthouse Way and continue to parking lot at Battery Point.

*Land Access:* Parking area at Battery Point accessible to 2WD, 4WD, and trucks. Lighthouse accessible to foot traffic at low tide.

*On-Water Limitations:* Boats may be launched from several locations within Crescent City harbor.

*Facilities, Staging Areas, Command Posts, Available Equipment:* This area may also serve as a good staging area for large amounts of equipment.

*Communications Problems:*

*Additional Operational Comments:*