

National Marine Sanctuaries
National Oceanic and Atmospheric Administration



NATIONAL MARINE
SANCTUARIES

OLYMPIC COAST



OLYMPIC COAST REMOTE AREA MARINE DEBRIS REMOVAL

Liam Antrim, OCNMS

Steve Fradkin, ONP

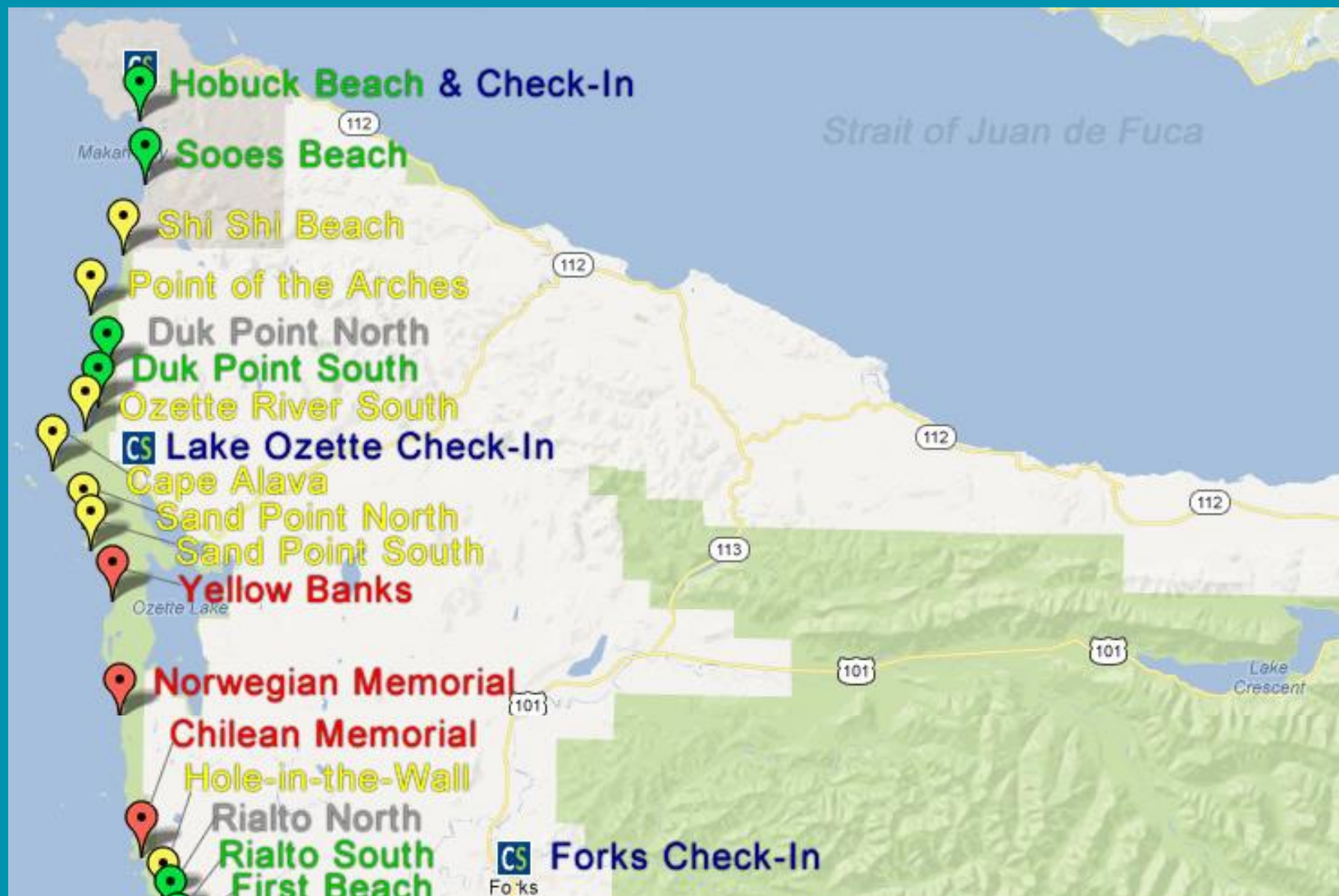
Volunteer Cleanup Coordination

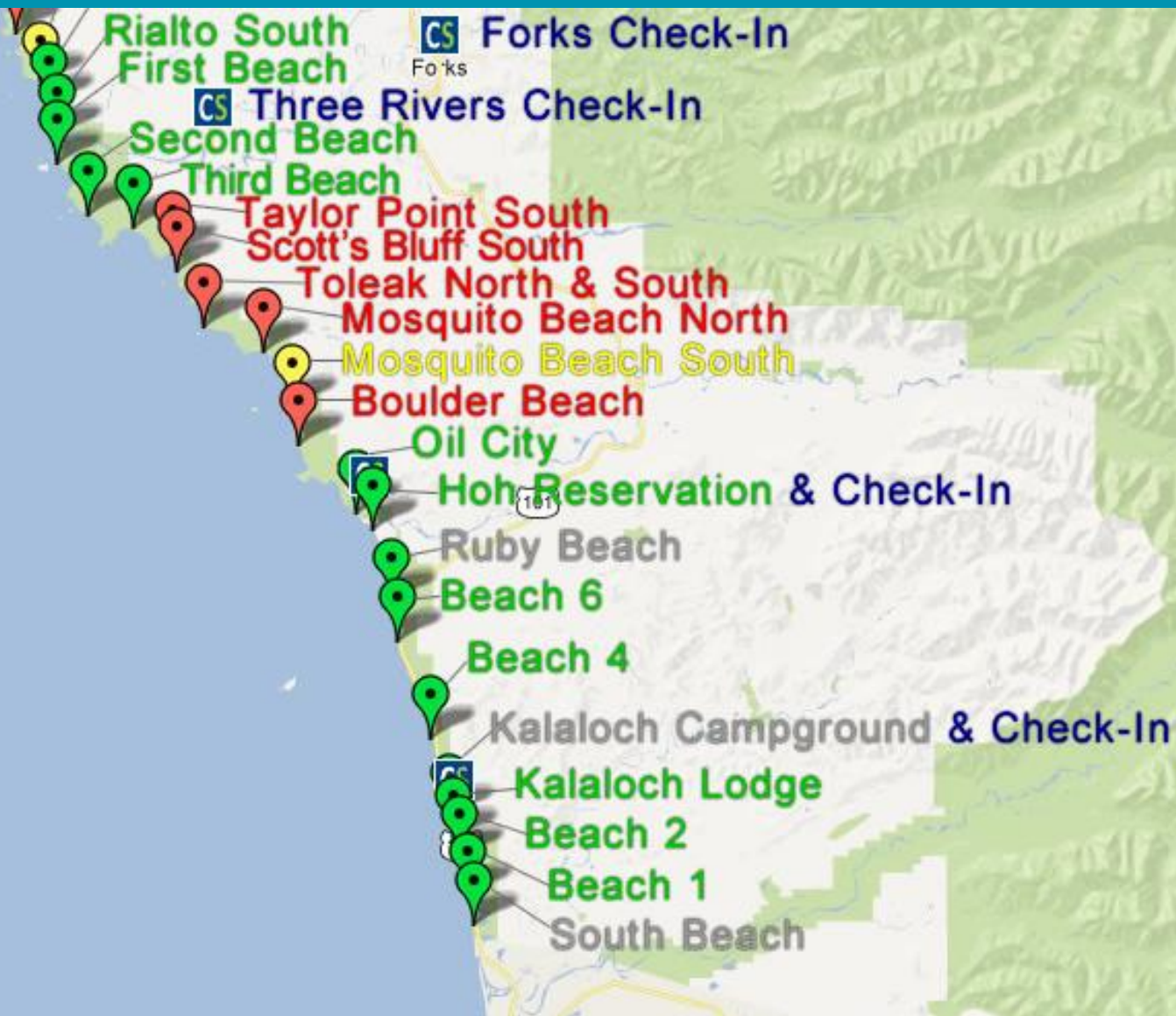
- Grass Roots Garbage Gang
- Lions Club International
- Surfrider Foundation
- Ocean Conservancy
- Discover Your Northwest
- Olympic National Park
- NOAA Marine Debris Program
- OCNMS
- Makah Tribe
- Quileute Tribe
- Hoh Tribe
- Quinault Nation
- Marine Resources Committees

----- CoastSavers -----

www.CoastSavers.org

- April cleanup coordination since 2008
- Geography - Columbia River to Cape Flattery, plus Clallam Bay/Sekiu
- Established, efficient, effective
- Expanding capacity and scope in 2013
 - Year-round coordinator
 - Multiple cleanup and outreach events
 - Expand within Strait





Remote Coastline Areas

CoastSavers cover 56% of ONP shore

Areas not appropriate for volunteers

- ONP
 - Point of Arches to Hole in Wall: 12.5 miles
 - Taylor Point to Hoh Head: 8.1 miles
- Makah Reservation: ~10 miles
- Quinault Reservation: ~16 miles

Remote Area Debris Removal

- Hike out
 - WA Conservation Corps pilot project 2013
- Transfer to boat
- Helicopter
 - Surfriders/USCG at Cape B (2011, 2012)

Remote Marine Debris Removal Considerations

- Wilderness Restrictions
 - Wilderness Management Plan Revision
- T & E Species Restrictions
- Safety
- Staffing
- Cost



95% of Olympic National Park is Congressonally Designated Wilderness



WILDERNESS MINIMUM REQUIREMENT

Wilderness Act of 1964 - Prohibition Of Certain Uses Section 4(c) Except as specifically provided for in this Act, and subject to existing private rights, there shall be no commercial enterprise and no permanent road within any wilderness area designated by this Act and except as necessary to meet minimum requirements for the administration of the area for the purpose of this Act (including measures required in emergencies involving the health and safety of persons within the area), there shall be no temporary road, no use of motor vehicles, motorized equipment or motorboats, no landing of aircraft, no other form of mechanical transport, and no structure or installation within any such area.

Management Policies § 6.3.5 Minimum Requirement - All management decisions affecting wilderness must be consistent with the minimum requirement concept. This concept is a documented process used to determine if administrative actions, projects, or programs undertaken by the Service or its agents and affecting wilderness character, resources, or the visitor experience are necessary, and if so how to minimize impacts. The minimum requirement concept will be applied as a two-step process that determines whether the proposed management action is appropriate or necessary for administration of the area as wilderness and does not cause a significant impact to wilderness resources and character, in accordance with the Wilderness Act; and the techniques and types of equipment needed to ensure that impacts on wilderness resources and character are minimized.

When determining minimum requirements, the potential disruption of wilderness character and resources will be considered before, and given significantly more weight than, economic efficiency and convenience. If a compromise of wilderness resources or character is unavoidable, only those actions that preserve wilderness character and/or have localized, short-term adverse impacts will be acceptable.



Wilderness Minimum Requirements Process

Olympic National Park Wilderness Project Proposal Form/Minimum Requirements Worksheet

PART ONE: Wilderness Project Proposal Information

Project Originator(s):	
Division:	
Date:	
What is the issue or problem to be solved?	
What is the underlying need for the project?	
Location (attach map and/or photos):	
Is resolution of this issue addressed in an approved NEPA document: Categorical Exclusion (CE); Environmental Assessment, Finding of No Significant Impact (FONSI); or Environmental Impact Statement, Record of Decision (ROD)? If so, please name:	
What would happen if the need were not met? (NO ACTION)	

Wilderness Minimum Requirement Analysis (MRA)

STEP ONE: Determine if action is necessary or appropriate

1	Is the resolution of this issue covered by an existing Wilderness Plan or other NEPA decision document that includes wilderness minimum requirement considerations?	Answer: Yes <input type="checkbox"/> No <input type="checkbox"/>
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Yes</p> <p>↓</p> <p>Implement action as approved</p> </div> <div style="text-align: center;"> <p>No</p> <p>↓</p> <p>Continue PPF/ MRA</p> </div> </div>	If "Yes" provide name of document date:
2	Has Superintendent determined this is an emergency in accordance with law & policy?	Answer: Yes <input type="checkbox"/> No <input type="checkbox"/>
	<div style="text-align: center;"> <p>No</p> <p>↓</p> </div>	Yes, Follow approved emergency management plans. If they do not, go through MRA, continue MRA
3	List guidance provided in law and policy for resolution of the issue	See Management Policies Chapter 6, Director's Order #41 and other applicable laws, policies and directives. Add additional policy guidance as appropriate.

Alternative 1: No action

- What is proposed?
 -
- Does the proposed action involve new construction or repair/rehab to existing structures/utilities/assets?
 -
- Does the project take place in the same location/footprint/trench used before, or in a previously undisturbed area?
 -
- Would the project involve ground disturbance (cut or fill)? If so, how many cubic yards and where will materials be deposited (both temporarily and permanently)? If fill materials are taken, identify the specific site fill taken from and if the materials are native to the park. How would fill be "stored"?
 -
- How much excavation would be necessary (quantify by width, length, depth, cubic feet, number or lines, etc.)
 -
- Would the proposal involve work in or near a known archeological site or other historic property?
 -
- Would a staging area be required? If so, identify staging area(s), include map, what type of materials and/or equipment and for how long? What would be the estimated square footage of the staging area?
 -
- How/where would construction debris be disposed of?
 -
- How much surface area would be disturbed, cleared, or denuded of vegetation (quantify by square footage, # of trees removed, etc.)
 -
- Would the project involve any geologic or hydrologic features/alter stream courses, surface or ground water flow?
 -
- Would the proposal involve structures, fill, or discharge into water (example: bridge crossing, boardwalk, gravel, culverts, etc.)?
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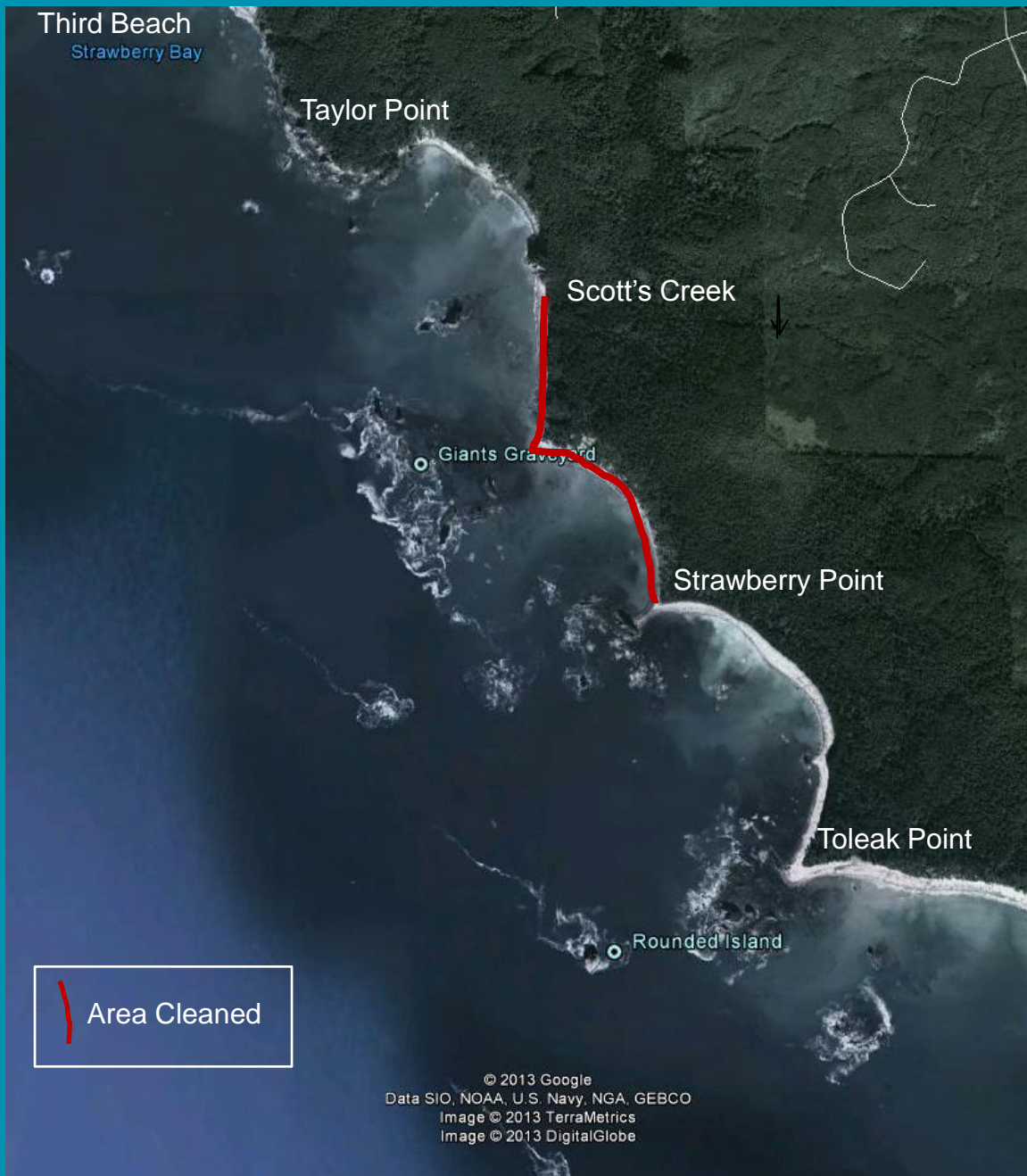


Marbled Murrelet Compliance

From 2007 GMP

Type of Disturbance	Operating Period for Project Activities and Associated Effects Determinations for Marbled Murrelet					
	NE		NLAA		LAA	
	Date	Distance from Suitable Habitat	Date	Distance from Suitable Habitat	Date	Distance from Suitable Habitat
Impact pile drivers, jackhammers, or rock drills	9/16-3/30	any	4/1-8/5	> 60 yards	4/1-8/5	< 60 yards
	8/6-9/15	> 60 yards	8/6-9/15	< 60 yards		
Helicopters (Bell Jet Ranger type) or single-engine airplane	9/16-3/30	any	4/1-8/5	> 120 yards	4/1-8/5	< 120 yards
	8/6-9/15	> 120 yards	8/6-9/15	< 120 yards		
Heavy equipment, motorized tools	9/16-3/30	any	4/1-8/5 _a	> 35 yards	4/1-8/5	< 35 yards
	8/6-9/15	> 35 yards	8/6-9/15 _b	< 35 yards		
Chainsaws falling trees and cutting downed wood	9/16-3/30	any	4/1-8/5	> 45 yards	4/1-8/5	< 45 yards
	8/6-9/15	> 45 yards	8/6-9/15	< 45 yards		





Scott's Creek to Strawberry Point

Shoreline cleaned:
1.3 miles; 2010 meters

Weight of debris
removed:
540 pounds

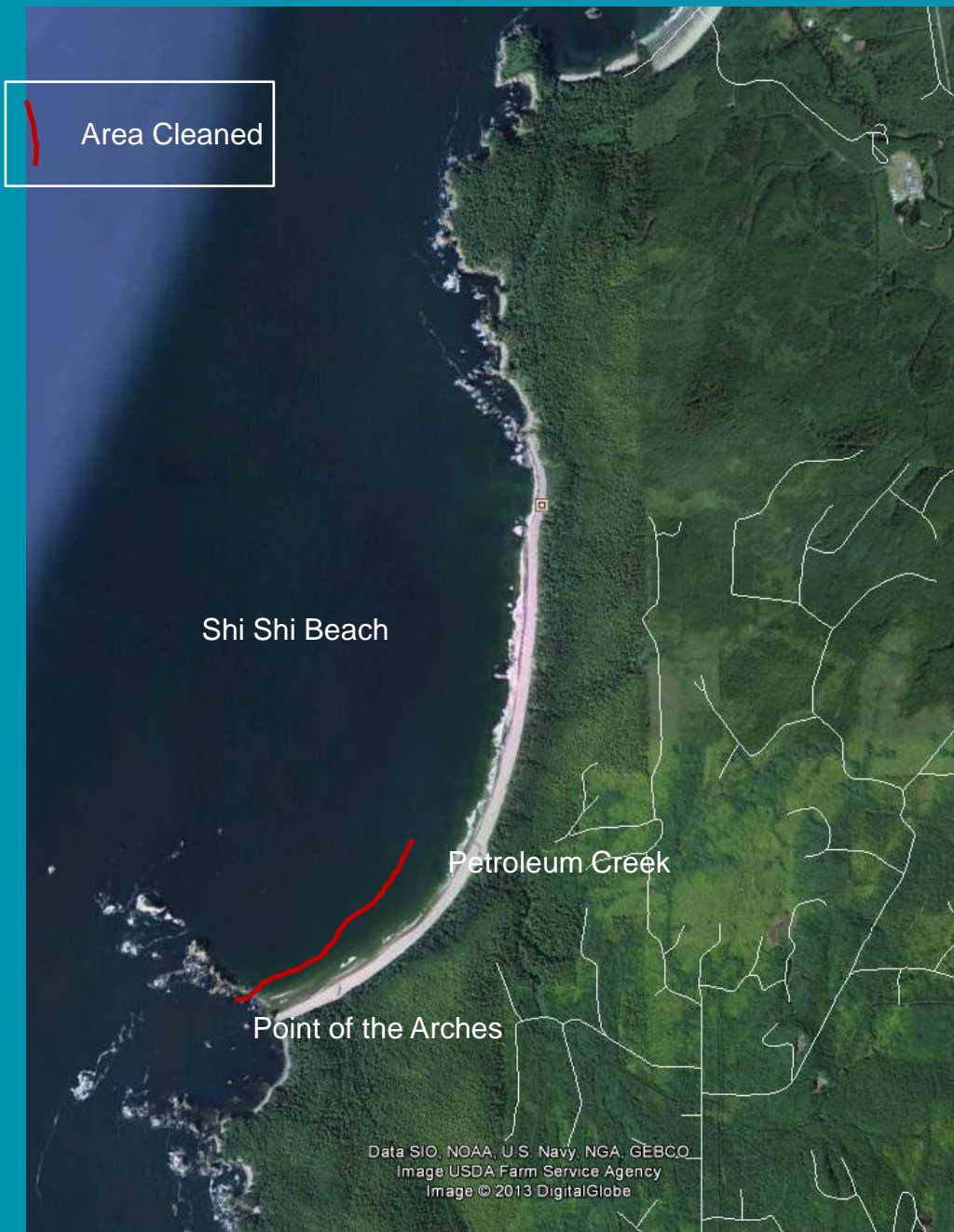
Average daily effort:
22.5 #/person/day

Cost:
\$4,700

Average cost/pound:
\$8.70/pound

Removal route to road:
2 miles; 1 hour hike

Climb out: about 125
feet elevation gain



Shi Shi Beach

Shoreline cleaned:
0.9 miles; 1450 meters

Weight of debris:
460 pounds

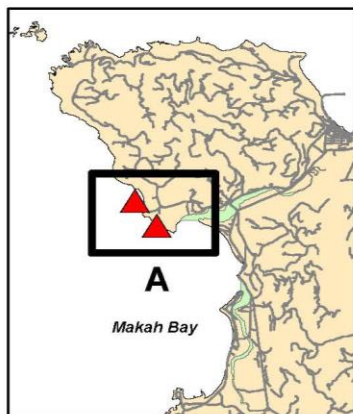
Average daily effort:
38.3 #/person/day

Cost:
\$2,350

Average cost/pound:
\$5.10/pound

Removal route to road:
2 miles; 1 hour hike

Climb out: about 150 feet
elevation gain

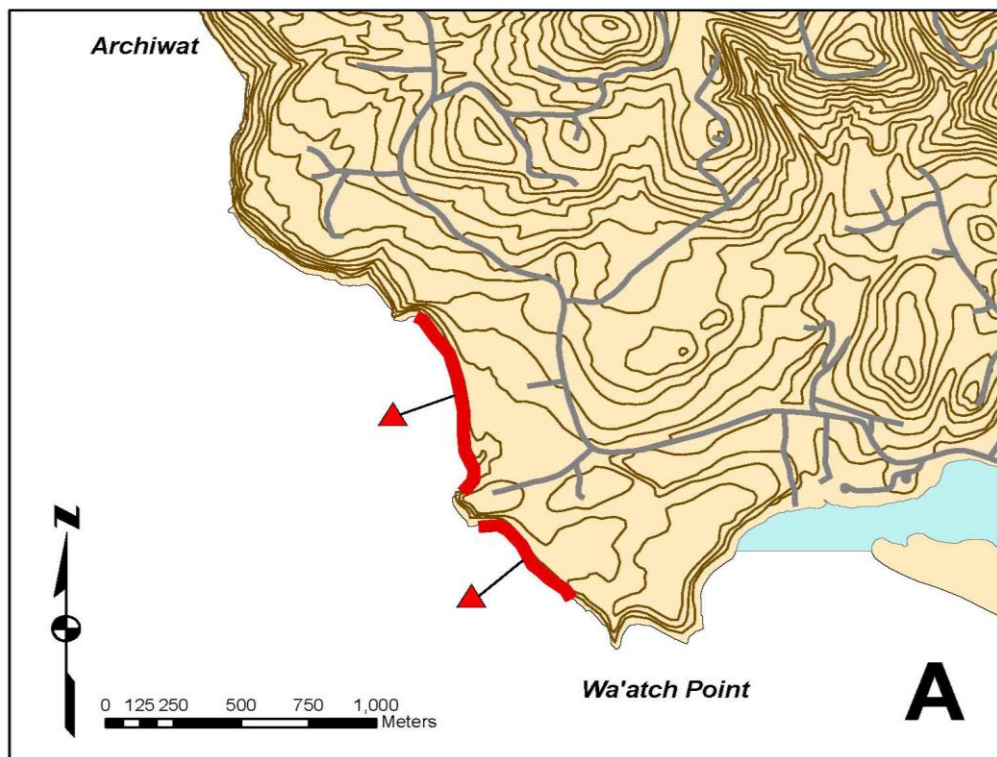


WCC Makah Beach Cleanup August 21-22, 2013

Group accompanied by: Aaron Parker, Makah Environmental Division

Location: Limited access beaches
north of Wa'atch Point

Outcome: Approx. 1.2 km cleaned
380 lbs debris removed



Wa'atch Area

Shoreline cleaned:
0.75 miles; 1200 meters

Weight of debris:
380 pounds

Average daily effort:
36.1 #/person/day

Cost:
\$2,350

Average cost/pound:
\$6.18/pound

Removal route to road:
0.3 miles; 0.5 hour hike

Climb out: about 125 to
180 feet elevation gain

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<http://olympiccoast.noaa.gov>