

Oregon Marine Debris Action Plan

Status Update

April 2018

Prevention Strategies and Actions



Marine debris exhibit in Bandon, OR (Photo: Washed Ashore)

Strategy 1: Prevent marine debris.

Ongoing Actions

Actions	Lead and Partners	Status
Engage in rulemaking to establish a process for requesting to utilize the Submerged Lands Enhancement Fund.	Lead: DSL	Complete
Utilize the language of the arts to communicate marine debris to K-12 students.	Partners: OMDT, state agencies, NGO, academia	In progress
Present to K-12 audiences on marine debris.	Partners: OMDT, state agencies, NGO, academia	In progress
Provide funding for recurring cleanup activities on state-owned waterways.	Lead: DSL Partner: Lower Columbia River Estuary Partnership	In progress

Future Actions		
Actions	Lead and Partners	Status
Expand stormwater management, producer/corporate responsibility, and other land-based efforts to reduce sources of debris before they can reach the marine environment.	Partners: Surfrider Foundation, Lower Columbia River Estuary Partnership, ODEQ	In progress
Conduct an analysis of local debris plans and integrate marine debris when possible. Communities include both coastal and those along inner rivers and waterways.	Lead: ODEQ	Pending
Assess the permitting process for notifying and consulting with fishermen and the Oregon Fisherman's Cable Committee on proposed scientific experiments in the territorial sea that could introduce marine debris.	Lead: DSL	Pending
<i>Strategy 2: Educate and motivate Oregonians to engage in marine debris prevention and removal through coordinated education and outreach.</i>		
Ongoing Actions		
Actions	Lead and Partners	Status
Engage students in service learning projects to prevent and remove marine debris.	Partners: Oregon State Parks, Surfrider Foundation, Coquille Tribe, SOLVE, CoastWatch, CTCLUSI	In progress
Give presentations on marine debris (formal and informal) to communities and organizations.	Partners: State agencies, NGO, academia, and industry	In progress
Conduct educational campaigns, programs and outreach activities such as the Surfrider Foundation's Rise above Plastic Program and "Hold on To Your Butts" Program.	Partners: State agencies, NGO, academia, and industry	In progress
Create and conduct Public Service Announcements targeting single-use plastics and the value of clean beaches.	Partners: Oregon State Parks, Surfrider Foundation, CoastWatch, SOLVE	In progress
Educate participants at cleanup events about marine debris.	Partners: SOLVE, Oregon State Parks, BLM, USFS, OMDT partners, CTCLUSI, and others	In progress
Develop a portable marine debris exhibit to educate about the issue of and solutions to marine debris.	Lead: South Slough NERR Partners: NOAA MDP and OCM	Completed
Build and exhibit aesthetically powerful sculptures made of marine debris to raise awareness about plastic pollution.	Lead: Washed Ashore Partner: Oregon State Parks	In progress

Present to local, regional, and national groups on using the arts to communicate about marine debris.	Lead: Washed Ashore	In progress
Conduct educational messaging about marine debris in feeding narrations, including World Oceans Day and other interpretive programming.	Lead: Oregon Coast Aquarium	In progress
Raise awareness about plastic as a material and its environmental impact.	Lead: Washed Ashore Partner: EPA Trash Free Waters, ODEQ	In progress
Educate consumers about sustainable and eco-friendly alternatives to single-use, disposable materials.	Lead: Washed Ashore Partners: Oregon Shores, Surfrider Foundation	In progress
Future Actions		
Actions	Lead and Partners	Status
Develop marine debris exhibits for educational purposes.	Partners: Washed Ashore, Oregon Coast Aquarium, Oregon Shores, SOLVE	In progress
Develop a framework to designate an Oregon Marine Debris Month and highlight marine debris through messaging, activities, and social media.	Lead: OMDT Partners: OMDT, WCOP, Oregon State Parks, OCMP, DSL, ACE, OSMB, OIMB, Oregon Coast Aquarium, NOAA, USCG, Indian Tribes, SOLVE, Surfrider Foundation, Oregon Shores, DLCD, COASST, Lower Columbia River Estuary Partnership, ODEQ	Pending
Create a marine debris awareness/social marketing campaign.	Lead: Oregon Coast Aquarium Partners: SOLVE, Oregon Shores, Surfrider Foundation, COASST	In progress
Create a Statewide Rise above Plastic Day encouraging Oregonians to go one day without consuming any single-use plastics.	Lead: Surfrider Foundation Partners: Oregon Coast Aquarium, SOLVE, Oregon State Parks, Oregon Shores	In progress
<i>Strategy 3: Educate and motivate teachers and students about marine debris.</i>		
Ongoing Actions		
Actions	Lead and Partners	Status
Maintain and update the STEAMSS-based marine debris curriculum and conduct educator workshops.	Lead: Oregon Sea Grant Partner: Oregon Coast Aquarium	In progress

Develop and implement a 4th-6th grade Integrated Arts Marine Debris Curriculum to educate about and reduce single-use plastics in everyday life.	Lead: Washed Ashore Partner: NOAA MDP	Completed
Future Actions		
Actions	Lead and Partners	Status
Collaborate with other STEM hubs to better disseminate information on marine debris and increase awareness.	Leads: OSG, Washed Ashore Partners: Oregon Coast Aquarium, Oregon Shores, South Slough NERR	In progress
<i>Strategy 4: Educate and engage mariners from commercial fishing boats, recreational boats and industrial vessels on marine debris best practices.</i>		
Ongoing Actions		
Actions	Lead and Partners	Status
Coordinate clean marina program to improve water quality, including prevention of marine debris.	Lead: OSMB Partner: Oregon Sea Grant	In progress
Coordinate Clean Boater Program to educate and equip boaters to use best practices to improve water quality, including prevention of marine debris.	Lead: OSMB Partner: Oregon Sea Grant	In progress

Removal Strategies and Actions



Marine debris on a beach in Oregon. (Photo: SOLVE)

Strategy 1: Increase response capacity to remove marine debris in Oregon.

Ongoing Actions

Actions	Lead and Partners	Status
Respond to reports of large or hazardous marine debris on the ocean shore and remove or coordinate removal.	Lead: Oregon State Parks	In progress
Respond to hazardous materials/substances or items such as drums and containers on the ocean shore.	Lead: ODEQ Partners: Oregon State Parks, USCG	In progress
Host two coast-wide beach cleanups (Beach and Riverside/ICC and Spring Cleanup) per year.	Lead: SOLVE Partners: Oregon State Parks, BLM, Surfrider Foundation, Local Coastal Haulers, USFS, OR Coast Aquarium, and others	In progress
Coordinate Statewide Adopt-A-River program and inland cleanups throughout the year.	Lead: SOLVE Partner: OSMB	In progress
Remove large debris (requiring special equipment and/or permitting) on demand.	Lead: Oregon State Parks	In progress
Conduct year-round marine debris cleanups.	Partners: Surfrider Foundation, SOLVE, OMDT, Oregon State Parks, USFS, USFW, BLM, HMSC, COASST, CoastWatch	In progress

Install marine debris bag stations to facilitate cleanup.	Lead: Oregon State Parks Partners: OMDT, Surfrider Foundation, SOLVE	In progress
Coordinate and implement ongoing cleanup activities and programs targeted at inland waterways and urbanized areas (e.g., Portland Green Streets Program).	Leads: Surfrider Foundation, SOLVE Partners: City of Portland, Oregon State Parks, Local Haulers, local/regional government solid waste programs, etc.	In progress
Install cigarette butt canisters within coastal Oregon State Parks, inland waterways, and priority urban areas.	Leads: Surfrider Foundation, Oregon State Parks	In progress

Future Actions

Actions	Lead and Partners	Status
Improve Oregon State Parks ocean shore management capacity. Help support/expand funding for beach cleanups and beach safety programs.	Lead: Surfrider Foundation Partner: Lincoln County	In progress
Implement a rapid response program for marine debris clean up: review existing protocols and identify gaps; generate priority list by area sensitivity, level of incidents, and type of debris. Explore and improve existing debris notification protocols.	Leads: Oregon State Parks, Surfrider Foundation, OMDT Partner: SOLVE	Pending
Expand/improve upon NGO-led Oregon Marine Debris Team (OMDT) for rapid response, monitoring, and scheduled cleanups.	Lead: OMDT	In progress
Implement a coast-wide Oregon Adopt-A-Beach Program.	Lead: SOLVE Partners: Oregon State Parks, CoastWatch, NOAA MDP, Surfrider Foundation	In progress. Pilot project completed.

Strategy 2: Create or modify existing policies to improve effectiveness of marine debris prevention and cleanup in Oregon.

Ongoing Actions

Actions	Lead and Partners	Status
Engage Oregonians in plastic pollution policy education and reduction campaigns (where organizationally appropriate).	Lead: Surfrider Foundation	In progress
Complete the Division 82 Waterway Rules and implement the Submerged Land Enhancement Fund to support removal projects for priority debris on submerged and submersible lands.	Lead: DSL Partner: Surfrider Foundation	

Future Actions

Actions	Lead and Partners	Status
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Evaluate methods for incorporating marine debris into the Territorial Sea Plan Rocky Shores Management Strategy, now under revision, and other sections as appropriate.	Leads: OPAC, Territorial Sea Plan Working Group Partners: DLCDC, DSL	In progress
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Strategy 3: Facilitate volunteer and staff safety during debris cleanups.

Ongoing Actions

Actions	Lead and Partners	Status
Facilitate distribution of volunteer beach cleanup safety protocols during SOLVE-supported events, including a beach captain safety sheet (e.g., beach safety, hazardous materials covered prior to cleanups).	Lead: SOLVE	In progress

Future Actions

Actions	Lead and Partners	Status
Improve safety through the development of an OMDT volunteer safety working group, identification of sensitive/challenging/hazardous/risky areas for debris removal, development of safety protocols, and execution of training.	Leads: Oregon State Parks, OMDT	Pending

Strategy 4: Conduct response and removal of ocean-based marine debris.

Ongoing Actions

Actions	Lead and Partners	Status
Promote fishing gear recycling.	Leads: PSMFC, Fishing for Energy, ODFW	
Address marine mammal entanglement in the crab fishery.	Lead: PSMFC Partners: West Coast Marine Debris Alliance, NOAA NMFS	
Permit commercial crab fishers to recover lost gear.	Lead: ODFW Partners: Fishing for Energy, local landfills, fishing industry	
Compile derelict gear cleanup best practices.	Lead: PSMFC Partner: West Coast Marine Debris Alliance	
Conduct dive cleanups in Yaquina Bay.	Lead: OR Coast Aquarium	
Implement a statutory program to encapsulate white bead foam.	Lead: OSMB	
Administer authorizations for the use of state-owned waterways.	Lead: DSL Partner: Oregon Dept. of Agriculture	In progress

Future Actions

Actions	Lead and Partners	Status
Remove derelict crab pots at dredged material disposal sites.	Partners: EPA Office of Environmental Review and Assessment, Ocean Dumping Program, Dungeness Crab Commission	
Remove debris in dredged material prior to in-water disposal.	Partners: EPA, Ports, DSL, state agencies	
Identify agency roles and responsibilities relative to marine debris.	Partner: DSL	In progress

Coordination Strategies and Actions



Coordinated efforts to remove marine debris (Photo: Oregon Surfrider Foundation)

<i>Strategy 1: Increase coordination among educators, researchers, and cleanup groups on marine debris topics and events.</i>		
Future Actions		
Actions	Lead and Partners	Status
Develop and disseminate consistent educational/alternate messaging and create a platform to share educational messages.	Lead: Oregon Coast Aquarium Partners: OMDT, Oregon State Parks, Aquarium, COASST, South Slough NERR, NOAA MDP, ODEQ	In progress
Carry out a baseline data survey of Oregonian's marine debris knowledge and behaviors.	Lead: OMDT Partners: Oregon Coast Aquarium, Oregon Sea Grant	
<i>Strategy 2: Increase coordination among marine debris organizations (e.g., agencies, NGOs).</i>		
Ongoing Actions		
Actions	Lead and Partners	Status
Build upon past JTMD response efforts through continued coordination through the OMDT framework.	Lead: OMDT Partner: Oregon State Parks	
Future Actions		

Actions	Lead and Partners	Status
Review and update interagency (state and federal) emergency response coordination plan.	Partners: NOAA MDP, state and federal agencies	Pending
Conduct regional meetings with park staff to coordinate with key groups involved in debris removal, including Oregon State Parks staff and OMDT partners to work on relationship building and conduct annual strategic planning. Focus on improving rapid response for specific areas of the coast. Develop an annual plan for boots-on-the-ground coordination and cleanup activities.	Lead: Oregon State Parks, Surfrider Foundation Partner: SOLVE, CoastWatch, Washed Ashore	Pending
Improve coordination of beach and watershed cleanups by creating a Marine Debris Information Hub with cleanup maps and event calendar, social media, and listserv.	Lead: NOAA MDP Partner: Oregon State Parks, COASST, OMDT	In progress

Research Strategies and Actions

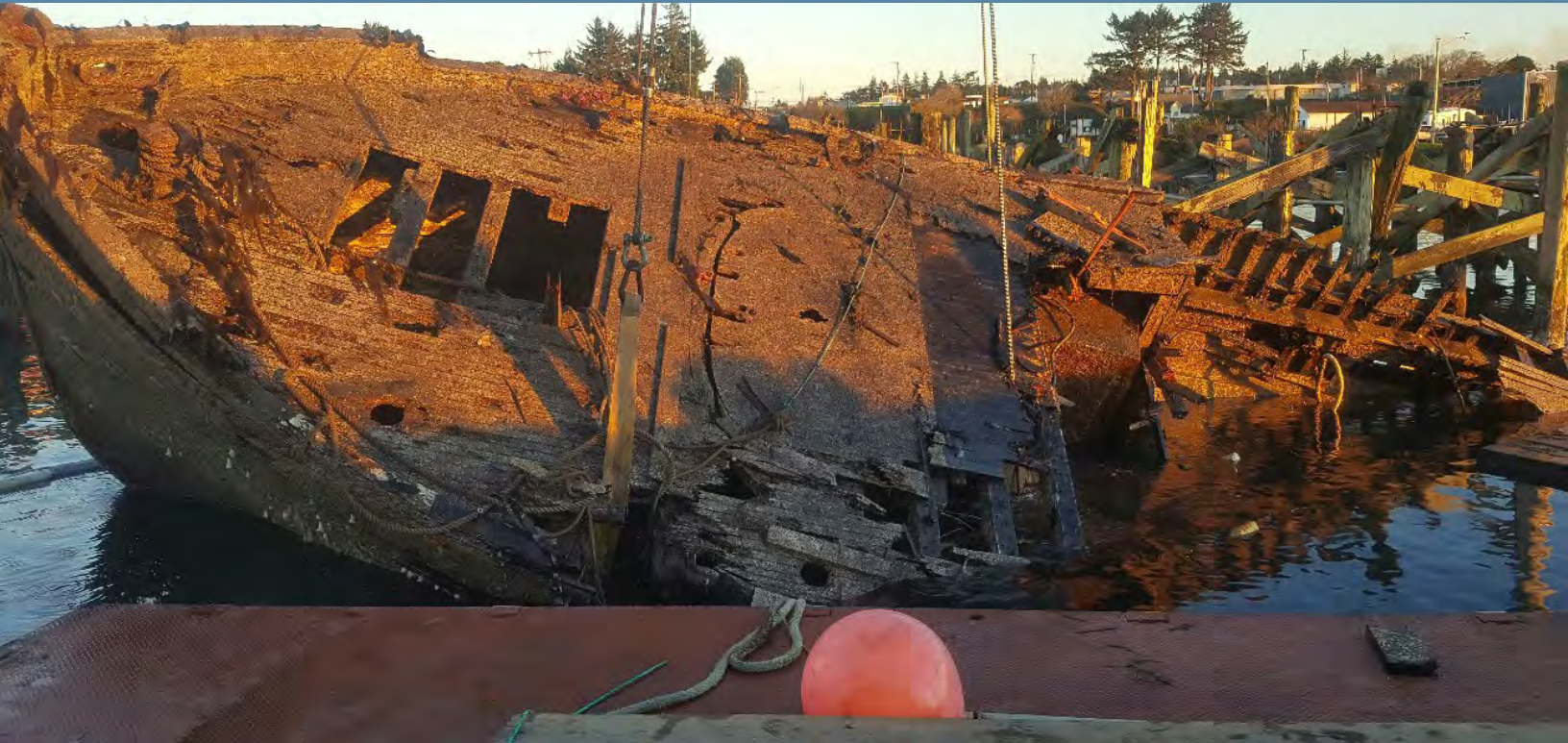


Volunteers conduct marine debris shoreline monitoring in Oregon (Photo: Redfish Rocks Community Team)

Strategy 1: Improve land-based marine debris data collection, reporting and accessibility.		
Ongoing Actions		
Actions	Lead and Partners	Status
Conduct regular marine debris monitoring using NOAA protocol at ten sites.	Lead: CoastWatch Partners: OR Coast Aquarium, Surfrider Foundation, OMDT, NOAA MDP, coastal schools	In progress
Implement a citizen science marine debris monitoring module. Participants monitor a beach of a known length once per month and commit to at least a year of surveying. Data is related to impacts and sources of marine debris.	Lead: COASST Partner: NOAA MDP	In progress
Monitor marine debris remotely via webcam "PICES Project".	Lead: Tokyo University Partners: Surfrider Foundation, Lincoln County, NOAA MDP	Completed
Collect and report ICC data with the aid of participants at beach and inland litter cleanups.	Lead: SOLVE Partner: Ocean Conservancy	In progress
Evaluate the Marine Debris Tracker App.	Lead: WCMDA Partner: NOAA MDP	Completed

Analyze ICC and NOAA shoreline monitoring data including Oregon.	Lead: NOAA, Ocean Conservancy	In progress
Conduct a Lower Columbia River Marine Debris Inventory.	Lead: Lower Columbia Estuary Partnership	
Future Actions		
Actions	Lead and Partners	Status
Expand and improve existing shoreline debris monitoring programs including analysis and sharing.	Lead: Oregon Sea Grant Partners: OMDT, COASST, NOAA MDP, Oregon Shores	In progress
Research the land-sea connection in debris efforts to identify and prevent sources of debris.	Lead: TBD Partners: ODEQ, COASST	
Develop research priorities for marine debris in Oregon with a focus on sources and reduction strategies. Encourage research to quantify and prevent the impacts of marine debris.	Leads: Oregon Sea Grant, NOAA MDP Partners: EPA, OSU	Completed
Strategy 2: Assess ocean-based debris locations and accumulation, and identify information gaps.		
Future Actions		
Actions	Lead and Partners	Status
Research and determine criteria for prioritizing removal of marine debris, then prioritize the removal of certain types and location of harmful marine debris based on established criteria.	Partner: WCMDA	

Abandoned and Derelict Vessels Strategies and Actions



Removal of the F/V Western (Photo: Billeter Marine)

Strategy 1: Remove abandoned and derelict vessels in Oregon.

Ongoing Actions

Actions

Initiate and lead a task force to address abandoned and derelict commercial vessels on the Oregon Coast.

Lead and Partners

Lead: OSMB

Status

In progress

Engage in rulemaking for removing abandoned and derelict structures from state-owned waterways.

Lead: DSL
Partners: ODEQ, USCG

Completed

Fund and coordinate a statewide abandoned and derelict vessel removal program.

Lead: OSMB
Partners: DSL, ODEQ, Ports

Pending

Future Actions

Actions

Remove vessels from marinas, bays, and estuaries.

Lead and Partners

Partners: OSMB, NGO's, ODEQ, DSL, Ports, local and state government

Status

In progress