



CLEAN RIVERS
COOPERATIVE

Who is Clean River?

- Clean Rivers is a nonprofit, membership based Oregon cooperative dedicated to professional oil spill response and prevention.
- Clean Rivers acts as the listed OSRO(Oil Spill Response Organization) or PRC(Primary Response Contractor) in membership/partner Response Plans.
- Clean Rivers is a 24/7, turn-key, dedicated response resource with over \$5M in assets throughout the AOI(Area of Interest)

Clean Rivers Mission

- **Establishing** and maintaining the industry standard for spill response and prevention.
- **Preventing** oil spills through regular compliance training and tactical exercises of our members and partners.
- **Protecting** the Columbia and Willamette River system through timely and effective spill response to maritime spills
- **Coordinating** spill response resources in order to provide high-quality services at minimal cost to membership.



UNITED STATES

Spokane

IDAHO

WASHINGTON

Palouse River

COLUMBIA RIVER
GORGE NATIONAL
SCENIC AREA

Clarkston

Astoria

Lewiston

Hood
River

Columbia River

Snake River

HELLS CANYON
NATIONAL
RECREATION
AREA

Portland

The Dalles

OREGON

History

- Founded 1971 in preparation for meeting regulations set forth by...
- ...Clean Water Act of 1972
- Clean Rivers was initially a small pool of shared member resources with a single employee.
- Oil Pollution Act of 1990 (OPA 90), and subsequent state regulations, spurred a growth in need for further response capabilities.

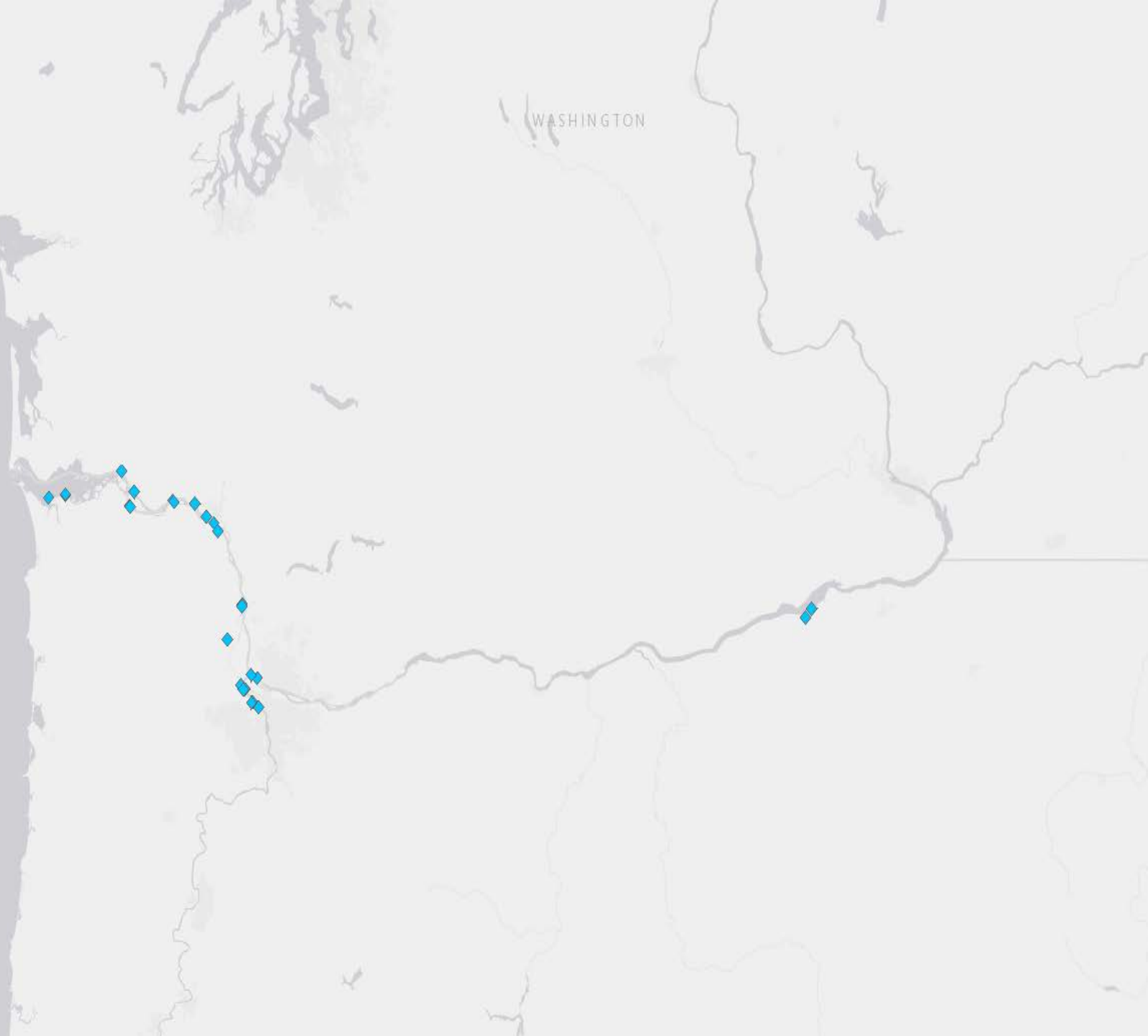
History, cont.

- In 1992, Clean Rivers and the Maritime Fire & Safety Association (MFSA) entered into a partnership that allows MFSA to designate Clean Rivers Equipment and resources in the MFSA Vessel Response Plan.
- The two organizations share equipment repair and maintenance costs, equipment administration costs and capital expenditures for the program.
- The partnership allows spill response on the Columbia/Willamette to remain cost effective for Clean Rivers Members and MFSA Covered Vessels.

Equipment

- Clean Rivers maintains the largest inventory of response equipment on the Columbia and Willamette River System.
- Equipment is strategically staged within the river system to ensure a quick and efficient response.
- A fleet of 4 FRVs, 4 OSRVs, 6 100bbl recovery barges, 5 100bbl storage barges, 4 workboats and many skiffs.
- Over 70,000 feet of oil spill containment boom.
- A total EDRC of 144,848 BBL/day. Over 240,000 BBL TSC.

WASHINGTON





Response Personnel

- Well trained Clean Rivers Staff and Service agreements are maintained with independent spill management services to Clean Rivers Members and MFSA Covered Vessels.
- NRC Environmental Services is Clean Rivers prime contractor committed to provide up 50 trained responders to operate our equipment.
- International Bird Rescue provides Clean Rivers and MFSA with wildlife response personnel.

Contractor Training

- CRC conducts contractor training monthly to maintain preparedness levels for various operating environments, equipment types and response strategies.
- Contractors participate in other training opportunities with Clean Rivers Members or MFSA Covered Vessels as available.
- Contractors are also tested monthly with a “no-notice callout”

Contractor Training

- Clean Rivers also ensure that Members are trained and ready for any incident.
- Clean Rivers provides four Quarterly Membership Training events to its members each year and others as determined by the Training Committee.
- Training annually includes: 8-Hour HAZWOPER Refresher, Mutual Aid Deployment, Boom Rodeo Competition, Safety Training.

Mouth of the Deschutes River **D-204.7L**

Position - Location: 45° 38.158', -120° 54.942' 45° 38' 9.5", -120° 54' 56.5" 45.63597, -120.91569 The Dalles

Strategy Objective: Deflection : Prevent oil from entering (or leaving) the Deschutes River.

Implementation: Use 600' of boom to deflect oil downstream away from the mouth of the Deschutes River while keeping boat launch open. Anchor to E bank and run boom out to the NW (close entrance by attaching boom to both banks only if necessary) Very shallow approach, larger boat will only be able to get about 1000' from bridge. Bring waders to access shore.

Staging Area: Remote : Stage at SA-LDR-0.2L/Heritage Landing

Site Safety: Slips, Trips, Falls, Water Hazard, Shallow Water.

Field Notes: Launch from BL-LDR-0.2L/Heritage Landing

Watercourse: River - Above a Dam - Dalles Pool

Resources at Risk: Public Recreation Site/Area, Salmonid Concentrations and Habitat, Waterfowl and Shorebird Concentrations



Recommended Equipment

3	Each	Anchor - Danforth (or other appropriate type)
2	Each	Anchoring System(s)- Shoreside
600	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor



WASHINGTON
OREGON

South Channel
Range B

Lake Celilo

Columbia River

WASHINGTON
OREGON
Columbia River
South Channel
Range C

206

84

30

143

206

206

206

Celilo-Wasco Hwy

Vietnam Veterans Memorial Highway

Biggs-Rufus Hwy

Fulton Canyon Rd

Heritage Landing
(Deschutes)

Deschutes
River State
Recreation
Area



Deschutes River
Oregon
45.635170, -120.914335





Relationships

- CRC maintains strong working relationships with a variety of key regulatory agencies:
 - U.S. Coast Guard (USCG)
 - U.S. Environmental Protection Agency (US EPA)
 - Oregon Department of Environmental Quality (DEQ)
 - Washington Department of Ecology (ECY)
 - U.S. Department of the Interior (DOI)
 - U.S. Fish & Wildlife (USFW)
 - Oregon Department of Fish & Wildlife (ODFW)
 - Washington Department of Fish & Wildlife (WDFW)
 - National Oceanic and Atmospheric Administration (NOAA)

Relationships

- Clean Rivers has a BOA(Basic Ordering Agreement) with the Coast Guard and has aided in responses in the area, such as the Davy Crockett Spill.
- Clean Rivers has also made resources available to EPA, WA DOE and OR DEQ to be available for public agency lead responses.*

*When doing so would not put membership or partners out of readiness compliance.

Membership

- Seaport/Transmontaigne
- Chevron
- Columbia Pacific
- Phillips 66
- Emerald Kalama Chemical
- ExxonMobil Lube Oils
- Foss Maritime Co.
- Georgia Pacific (Camas Mill)
- Kinder Morgan Pipeline
- Kapstone Paper
- BNSF Railway
- NuStar Energy Terminals (Portland)
- NuStar Energy Terminals (Vancouver)
- Olympic Pipeline (BP)
- Owens Corning
- Shell Oil Products
- Tesoro Logistics
- Tidewater Barge Lines
- Union Pacific
- Vigor Industrial
- Zenith
- Pacific Terminal Services

Questions?

CLEAN RIVERS



COOPERATIVE

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