

Marine Monitor (M2) documents maritime safety emergency and monitors response efforts



San Juan Island, Washington

This M2 system uses radar paired with a camera to monitor human activity in biologically important habitat for endangered Southern Resident killer whales and other marine species.

August 13, 2022

A fishing vessel carrying 2,600 gallons of fuel sank, spilling the fuel into the marine environment. The event and response efforts were documented autonomously and continuously by M2.

Event Timeline

12:30 Fishing vessel first detected by M2 fishing for salmon



13:50 Vessel sinking, crew safely boards skiff



14:00 Vessel fully submerged

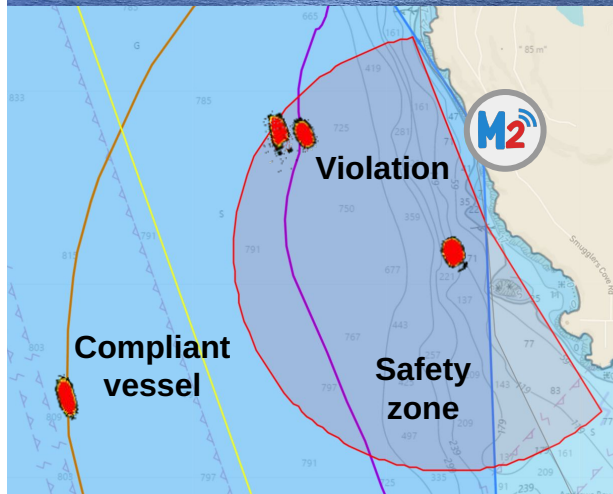


14:10 Other fishing vessels arrive onsite and assist crew

*times are approximate

Benefits of M2

- Monitors all vessels within 5 nautical miles, including recreational craft
- Configurable alarm zones monitor activity within established areas
- Live and historical data available from anywhere via **M2 Viewer** (below)



Response



- Booms deployed for spill control
- Salvage barge and work vessels
- **Safety zone** set 1,000 yards around site
- Vessels patrol zone during ongoing dive operations
- Vessel removed

- Users receive text or email alerts when violations occur in alarm zones
- Rapidly deployable for quick response
- 24/7 monitoring, 100% autonomous
- Supports efficient use of resources

All images captured autonomously by M2

