



# Cristoforo Colombo Incident

8th September 2004

## Incident Summary (1)

- **Date**
  - 8 September time 21:50
- **Incident:**
  - Dredge vessel “Cristoforo Colombo” runs aground 50m offshore between Kholmsk Commercial and Fishing Ports. Crew of 29 on board.
- **Causes:**
  - Loss of Vessel Engine Power
  - Inability to hold station with anchors
  - Typhoon



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## Incident Summary (2)

- **Injuries:**
  - None Reported
  
- **Initial Damage Estimate:**
  - Two five heavy fuel oil tanks ruptured possible 120 tonne loss
  - One diesel fuel oil tank ruptured –possible loss of 70 tonnes
  - Engine Room holed and taking on water
  - Final estimates are 28 tonnes of oil lost in total
  
- **Vessel's Oil Content at Time of incident :**
  - 5 HFO tanks containing 161 tonnes HFO
  - 4 MDO tanks containing 160.5 tonnes MDO



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### Time Line – Initial 24 Hours

20:00	20:00	20:20	20:30 – 20:40	20:40 – 21:00	20:53	21:00
Vessel remains at Anchor	Deteriorating Weather Northerly Force 7	Captain calls for main engines NW Force 11-12	Stbd Engine Online Captain orders anchor raised	Port Engine Online	Low fuel oil pressure alarm First Loss of Engine Power	Loss of Engine RPM Stopped heaving anchor
21:00 - 21:05	21:11	21:13	21:15 – 21:25	21:30		
Vessel head swings to Starboard Dragging anchor	Changed to Marine Diesel Vessel drifts towards shore General alarm sounded Revs Increase Continue to heave anchor	Both engines in auto Shutdown Stopped heaving in – 3 shackles in water Bow thruster on full power Order given to let go both anchors	Both forward anchors lowered Stern anchor lowered Mayday sent and crew to stations	Vessel aground		



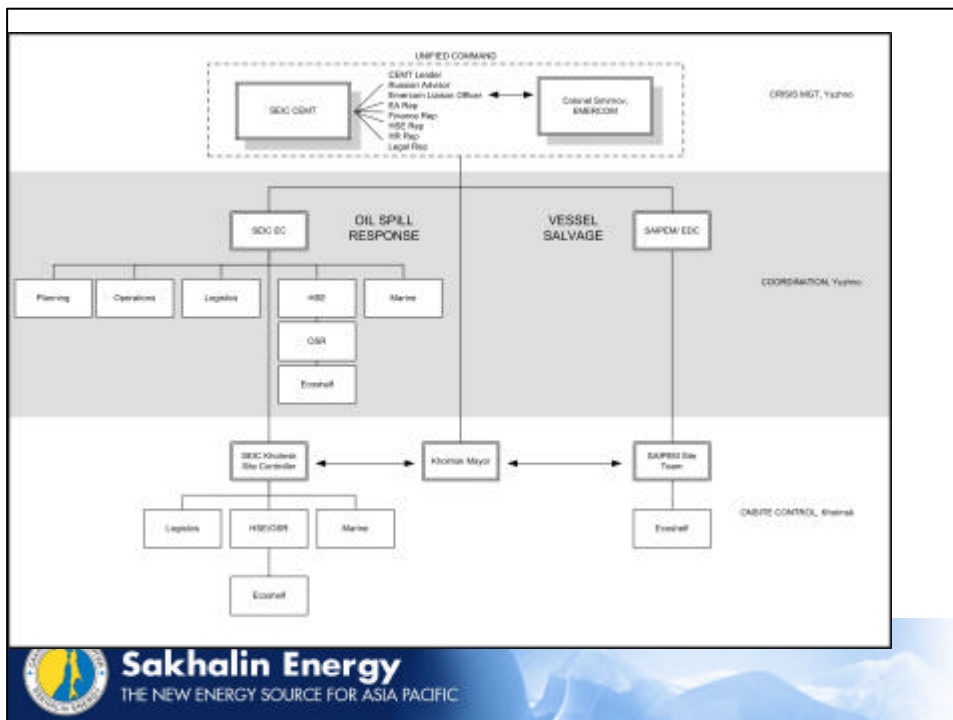
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Response – Initial 24 Hours

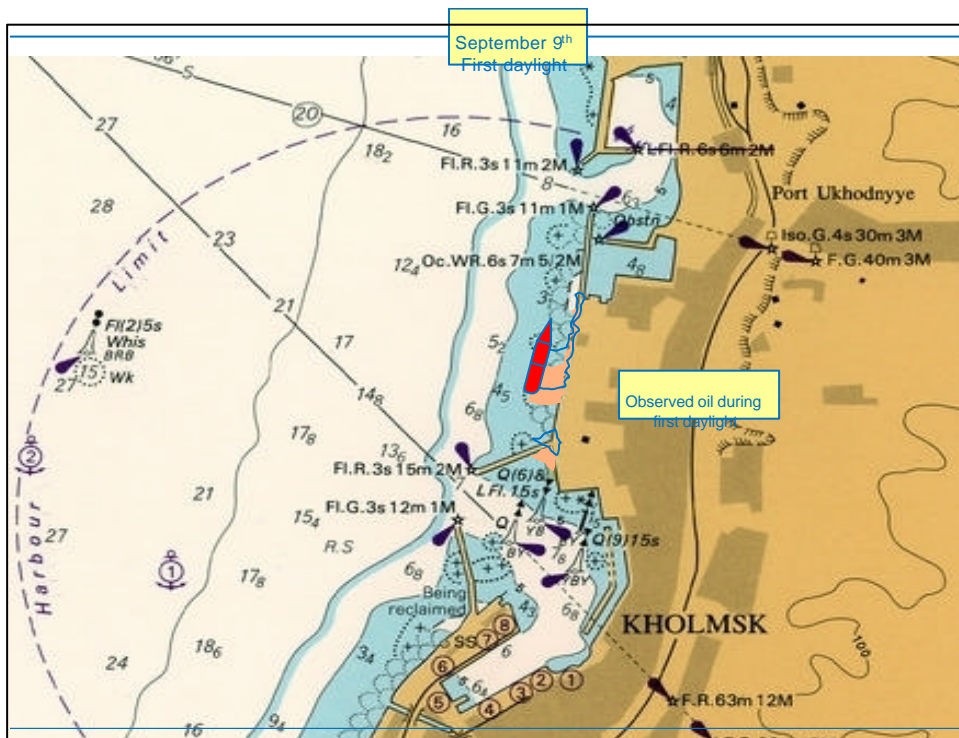
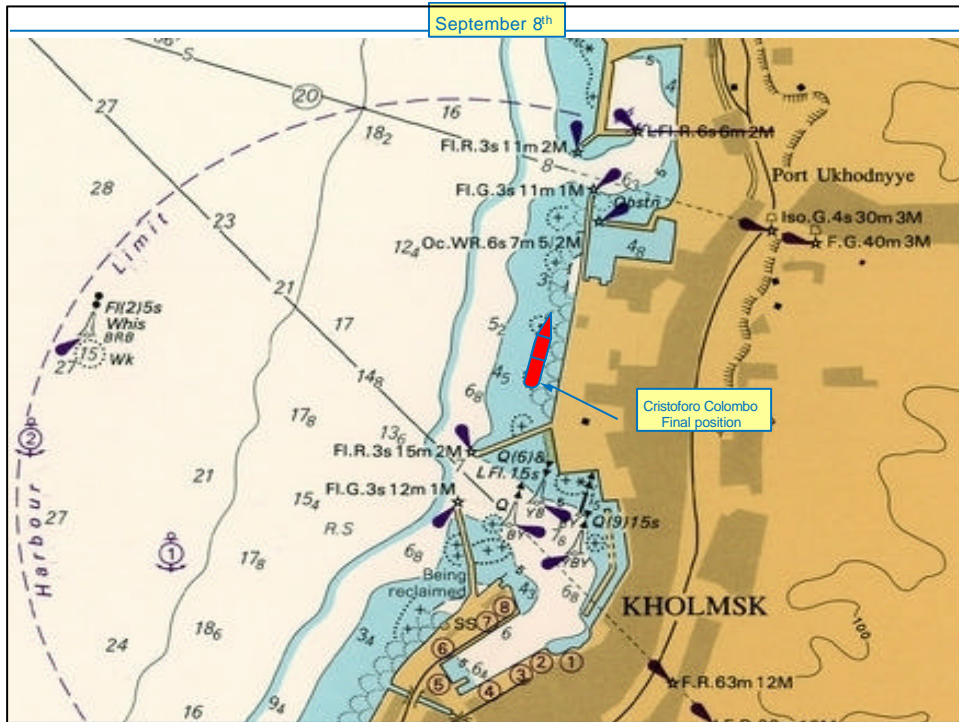
21:30	22:30	24:00	04:45	05:25	06:35	09:44	10:29
Mayday picked up by Smit Sakhalin	SEIC ECT Manned	Response Strategies Established	ECT depart for Kholmsk	OSR /PPE Equip. ready for transport to Kholmsk	ECT arrive on site	Report sent to Emercon	Boom on way to beach. Too rough to deploy
11:06	11:32	15:40	16:00	18:58	19:40	20:50	
OSR Equip/PPE en route to Kholmsk from Yuzhno and LNG site	EMERCOM set up beach control point	Helicopter commences fly over	OSR/PPE Trucks arrive in Kholmsk	Site Response Plan received from Ecoshef	1 Boom laid out in commercial harbour ready to deploy	Incident OSR Plan is finalised for coming days.	

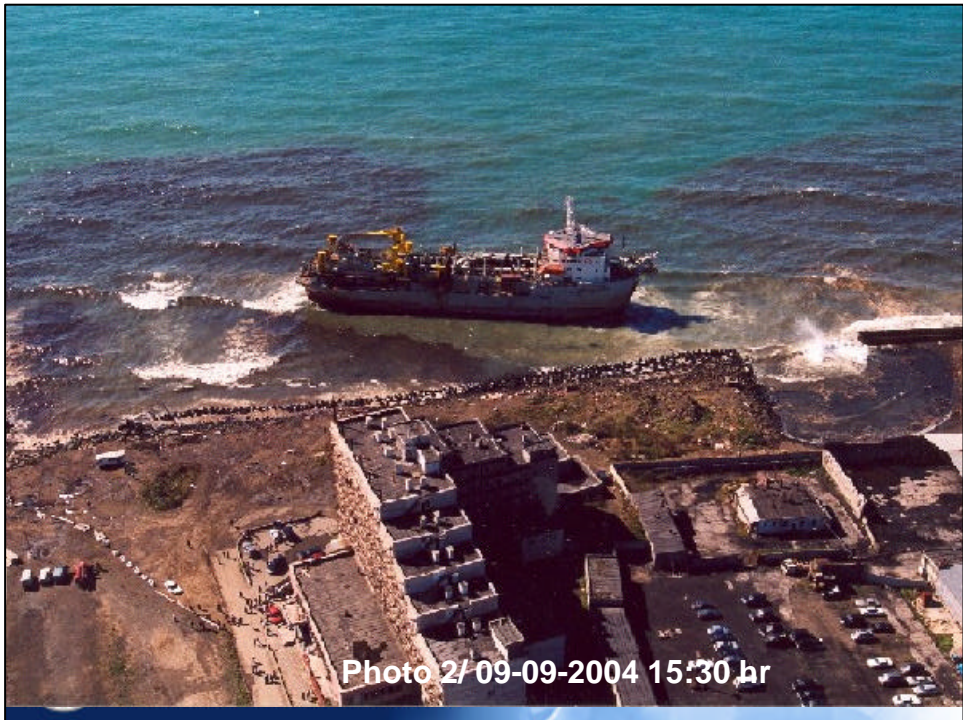


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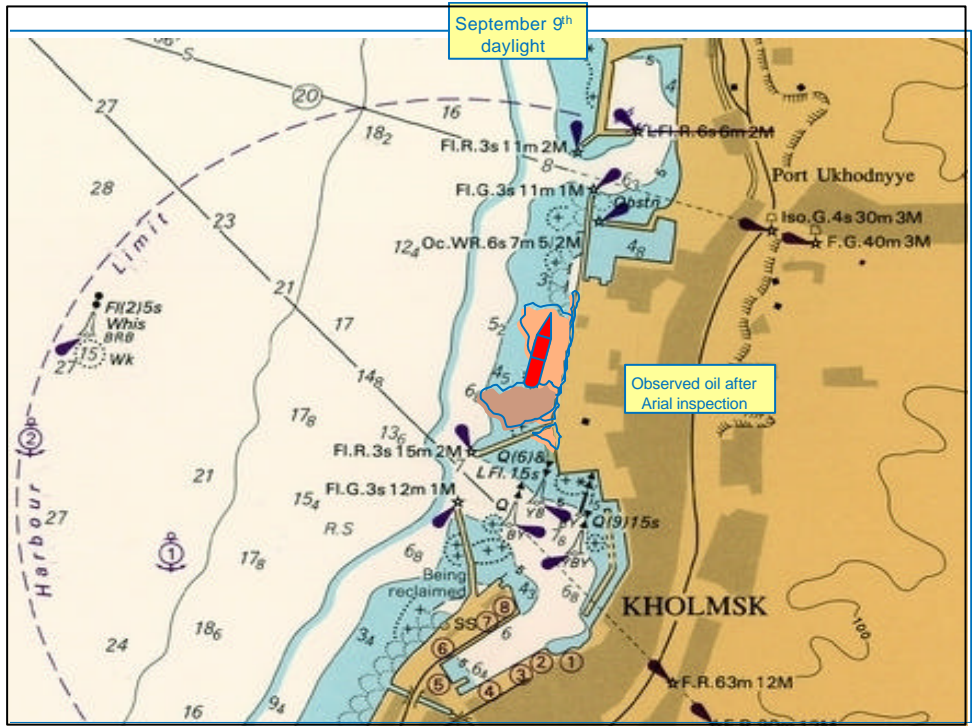


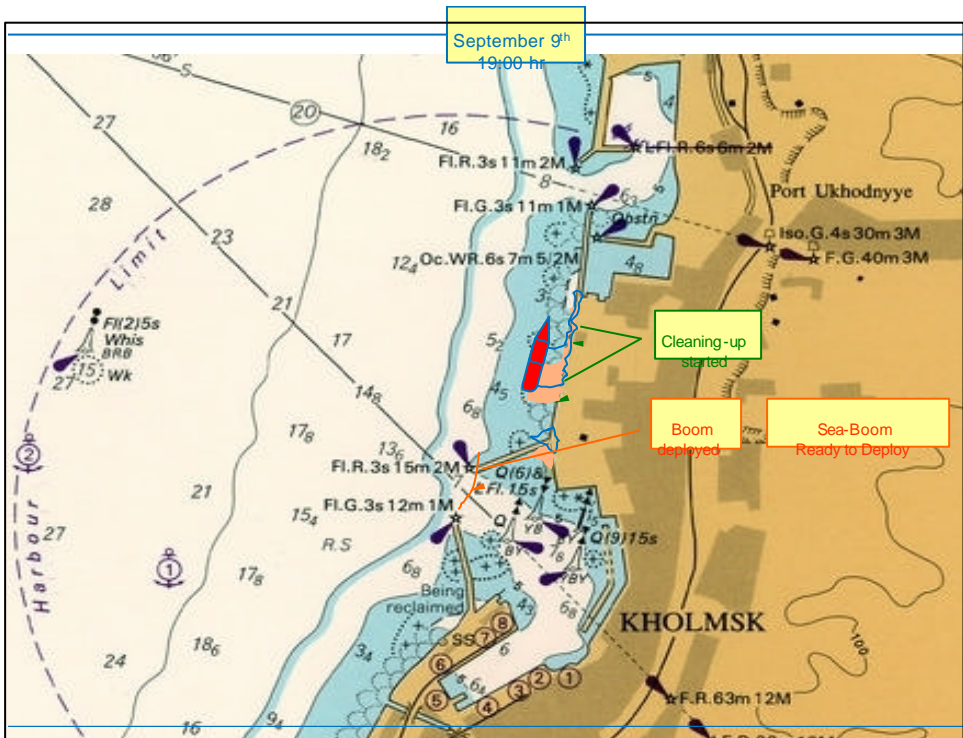
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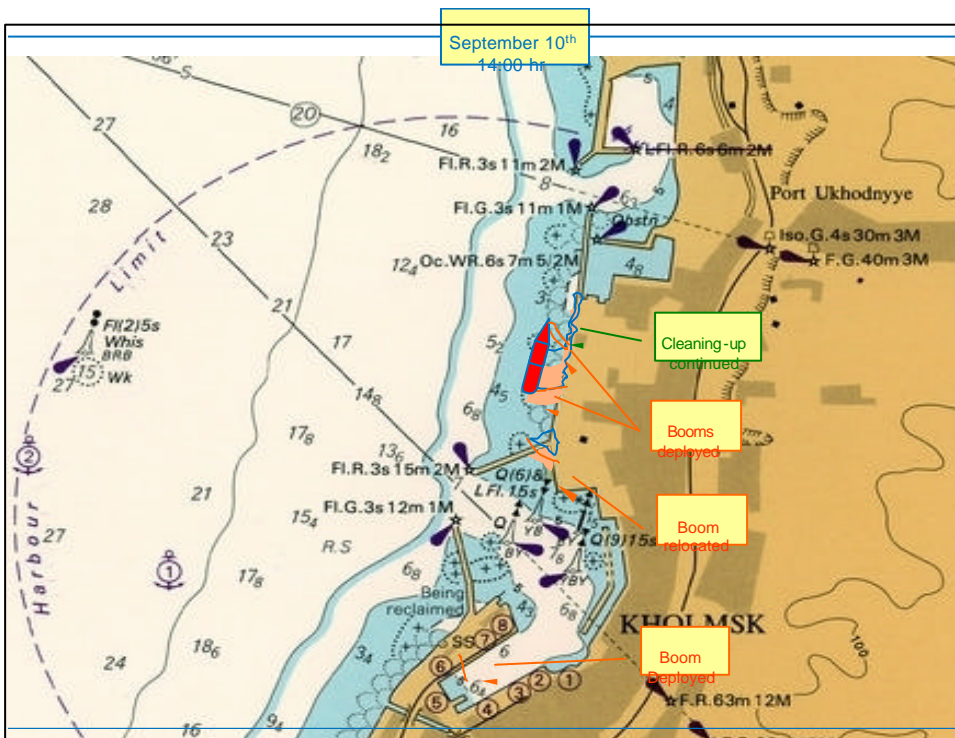




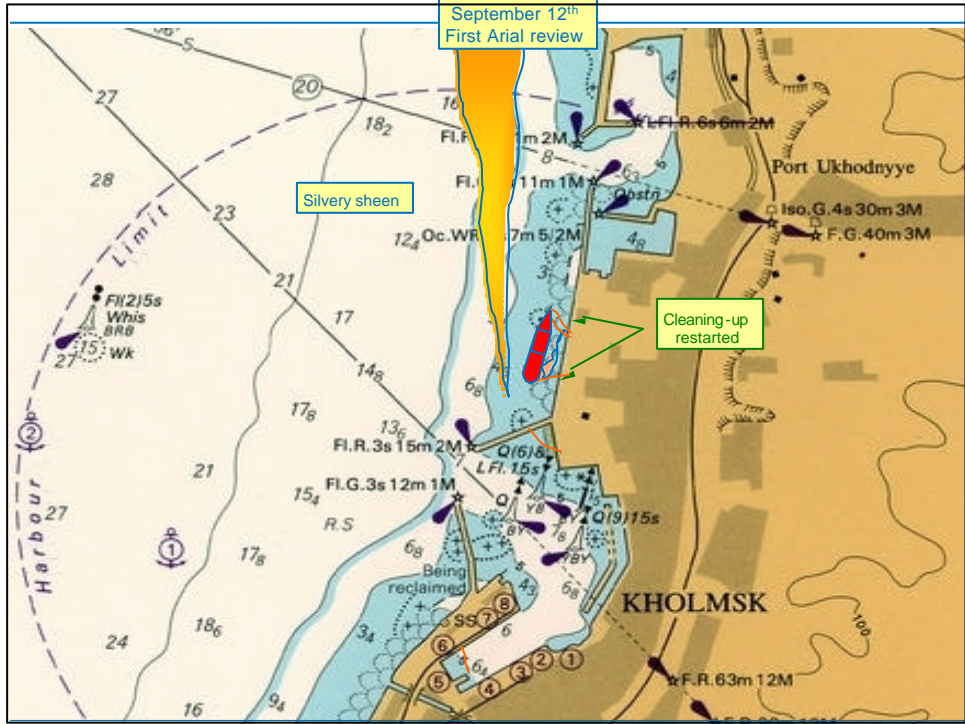


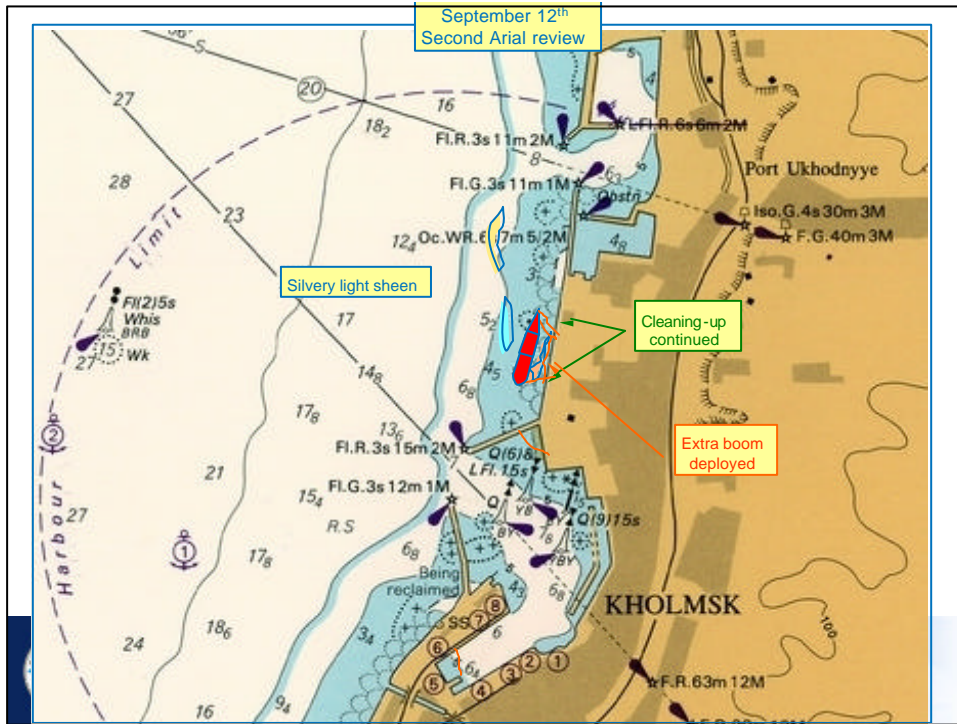




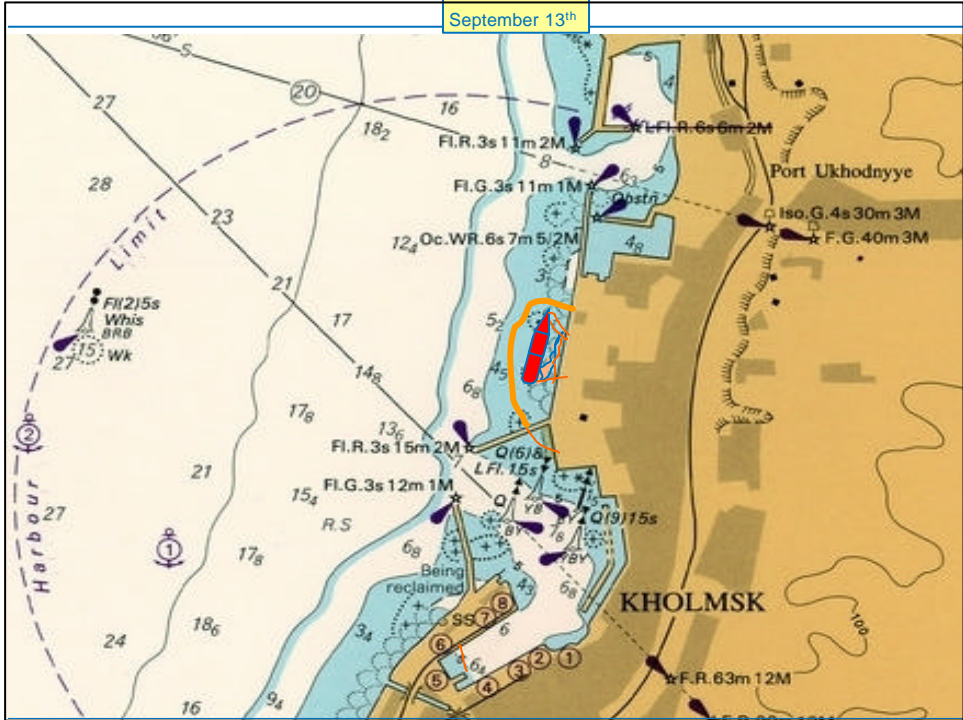




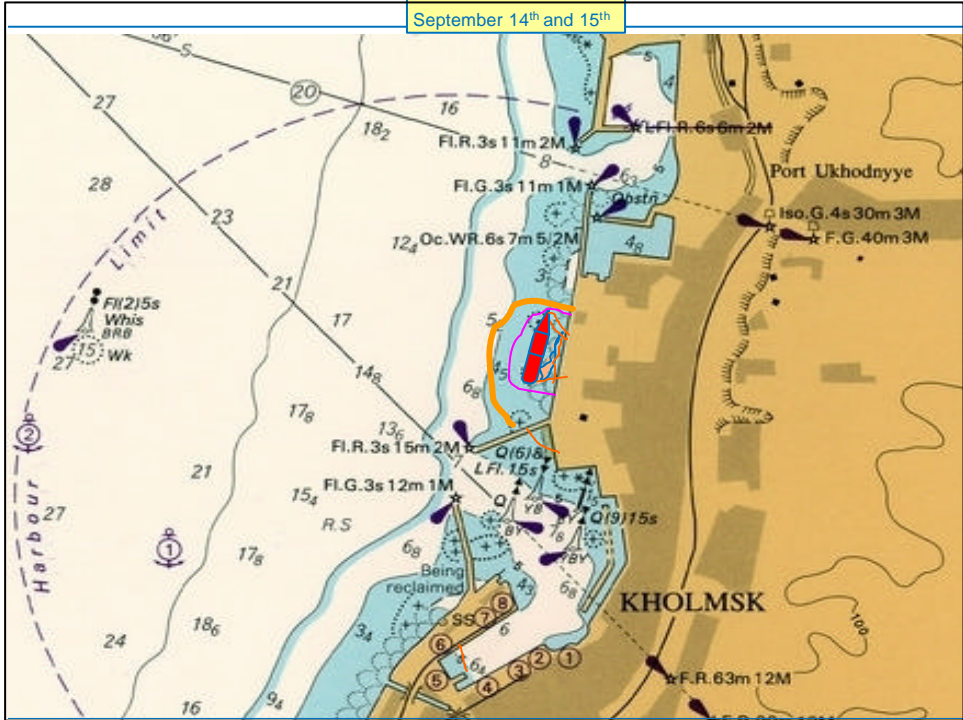




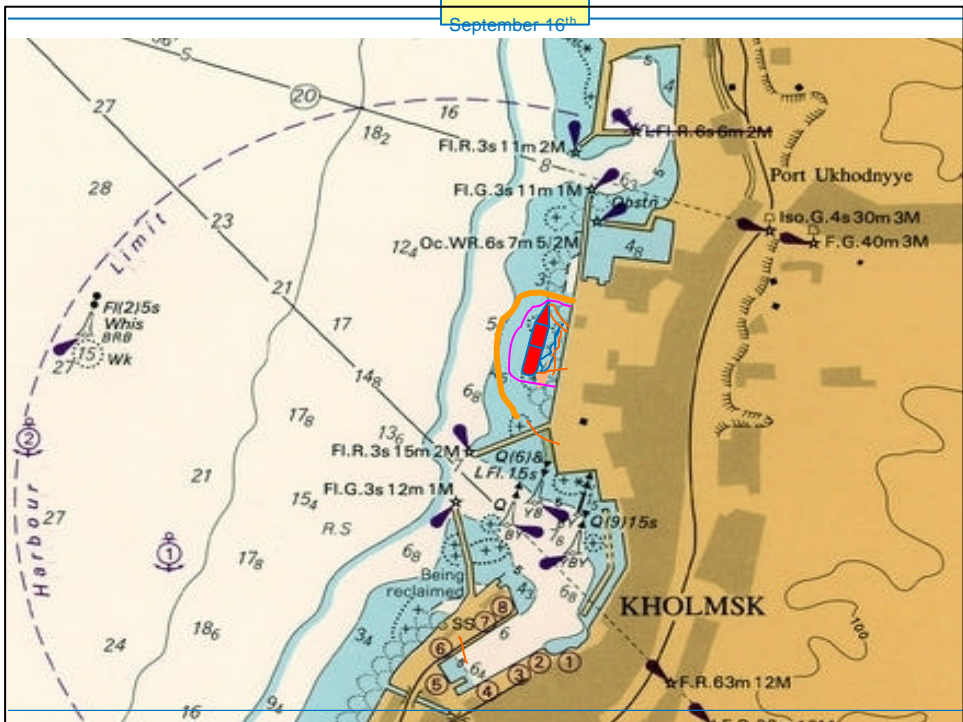
September 13<sup>th</sup>



September 14<sup>th</sup> and 15<sup>th</sup>



September 16<sup>th</sup>



## Shoreline Surveys

Date	Survey
9 <sup>th</sup>	<ul style="list-style-type: none"> <li>•SEIC commenced formal survey of reported oiled sites</li> <li>•Sheens and some oil on water found within commercial port</li> <li>•Fishing Port Clean</li> </ul>
10 <sup>th</sup>	<ul style="list-style-type: none"> <li>•Ecoshef begin surveys (location of oil and assessment for cleanup)</li> <li>• SEIC Teams survey wider shoreline (Environmental sensitivity, oil location)</li> <li>•Concentrated on port areas but proceeded to widen search</li> </ul>
11 <sup>th</sup>	<ul style="list-style-type: none"> <li>•SEIC commenced shoreline mapping</li> <li>•Tasked with mapping shoreline type, sensitivity and reporting oil found</li> <li>•Covered 5km north and south of vessel</li> <li>•Accompanied by wildlife expert from Yuzhno Zoo</li> </ul>
12 <sup>th</sup>	<ul style="list-style-type: none"> <li>•Oiled bird found on shoreline</li> <li>•Died later in the day</li> </ul>



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