



Fisheries and Oceans
Canada

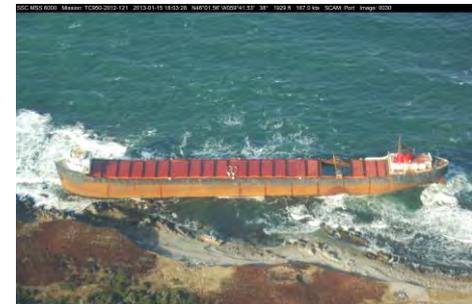
Pêches et Océans
Canada

Canadian
Coast Guard

Garde côtière
canadienne



Safety First, Service Always



M/V Miner



M/V Canadian Miner



Builder - **Canadian Vickers Ltd.**
Country - **Montreal, Quebec, Canada**
Number of engines - **4**
Horsepower - **8,000 bhp or 5,864 kW**
Speed - **13 knots**
Ship type - **Bulk carrier**
Deadweight tonnage - **27,485**
L.O.A. - **222.51 meters (730'0")**
Width overall - **22.97 meters (75'0")**
Draught - **8.181 meters**
Cargo holds - **6**



Information obtained from: <http://www.wellandcanal.ca/shiparc/uls/cminer/miner.htm>

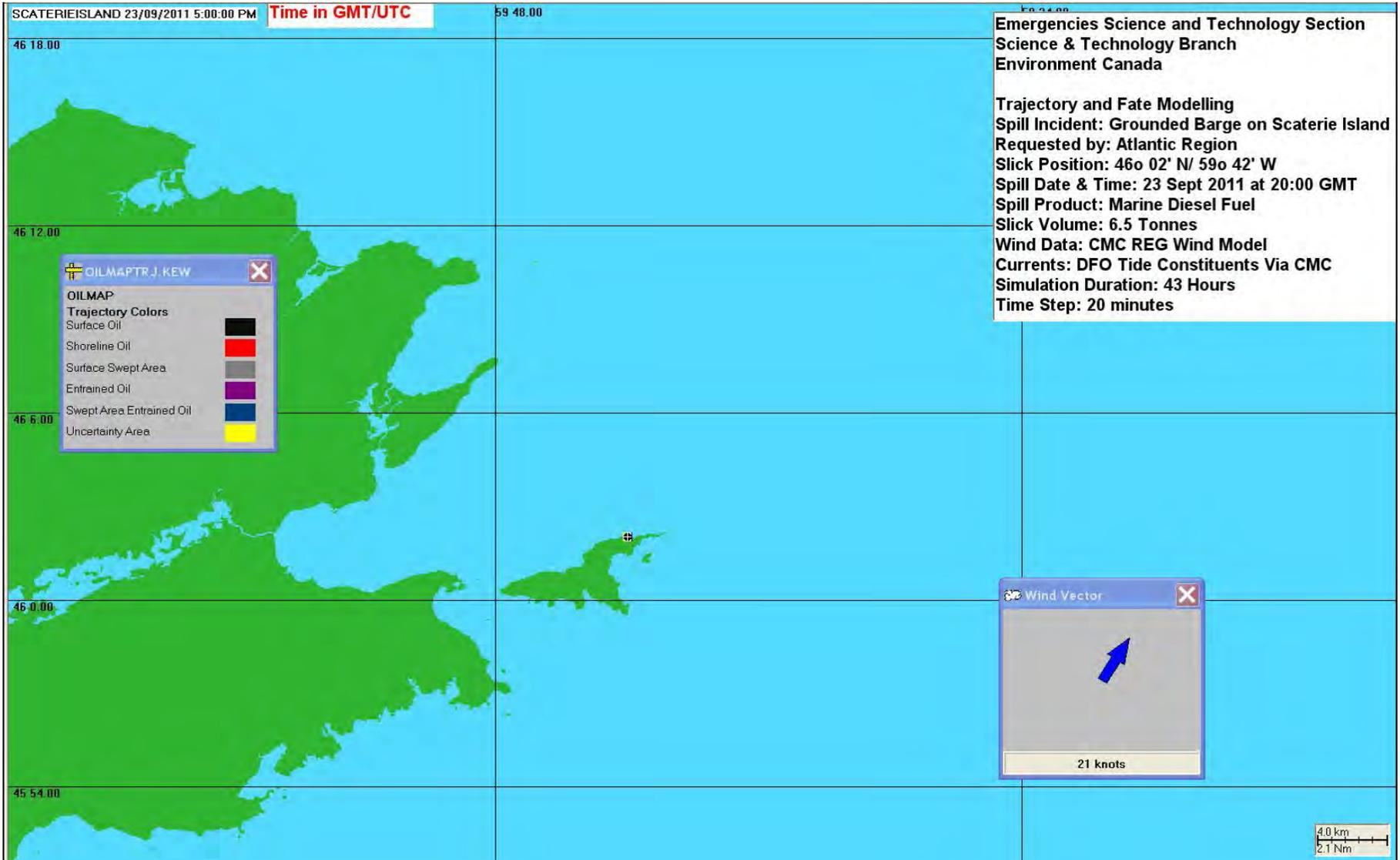
Initial Report



- 0219, Sept. 20/11, MCTS Sydney- Tug Hellas advises due to heavy weather towline has broken and Barge Canadian Miner aground on Scaterie Is., NS
- Bound Turkey for scrap- no cargo or pollutants aboard.
- Later advised 6.5 mt Marine Diesel Oil aboard for emergency generator.



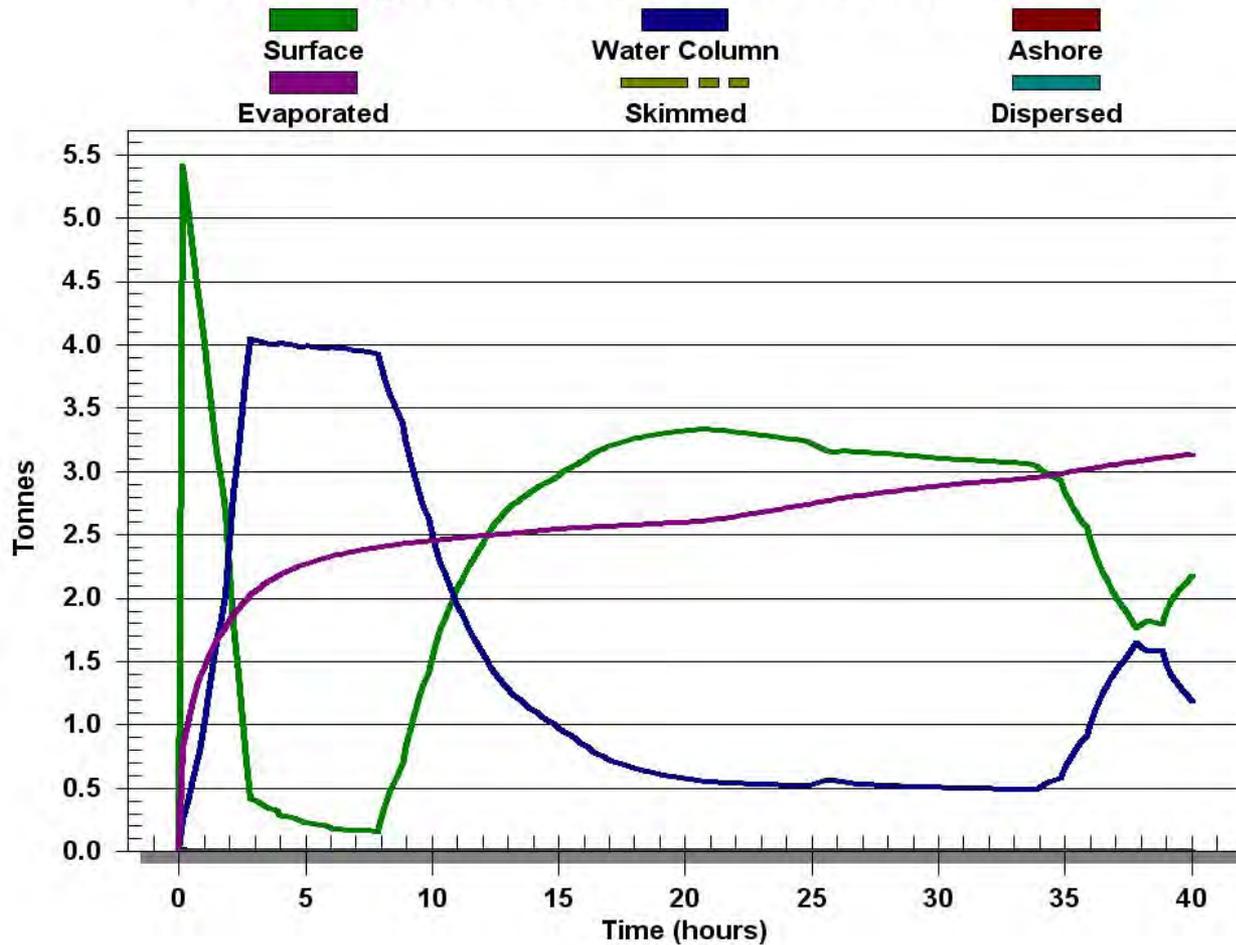
Initial Trajectory



Initial Mass/Balance



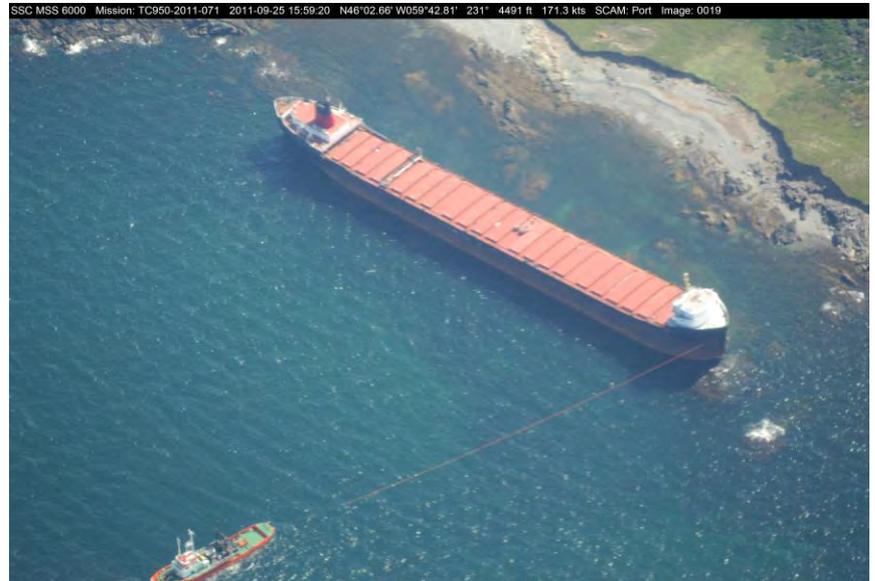
Weathering/Fates for MARINE DIESEL FUEL



Initial Response



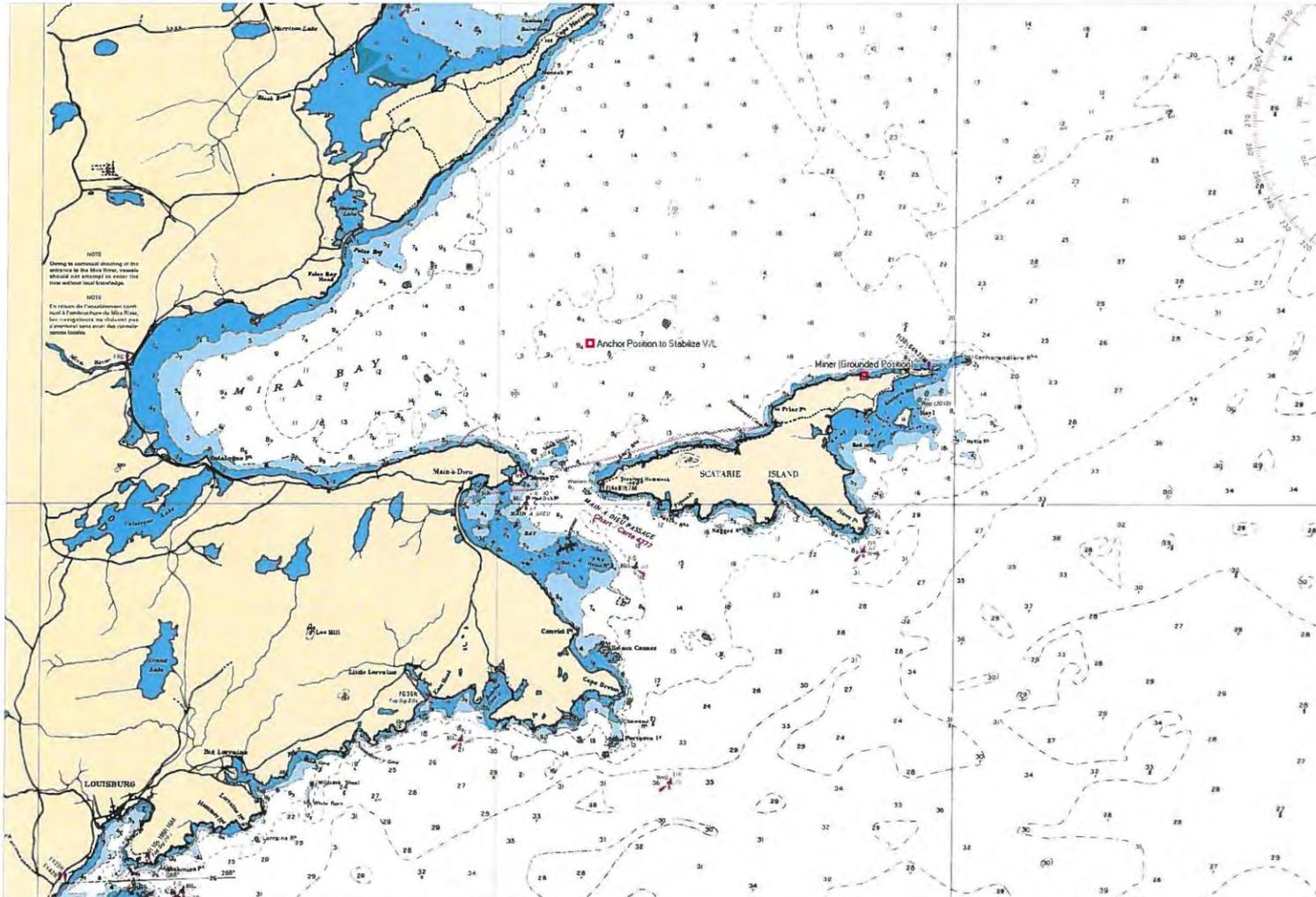
- Numerous attempts over 5 days of good weather to tow vessel off.
- Salvage team sent from owner to put plan in place.
- Plan to refloat and move to anchorage.



Position/Plan



437501 GUYON ISLAND TO À FLINT ISLAND



Print Scale 1 : 138 456

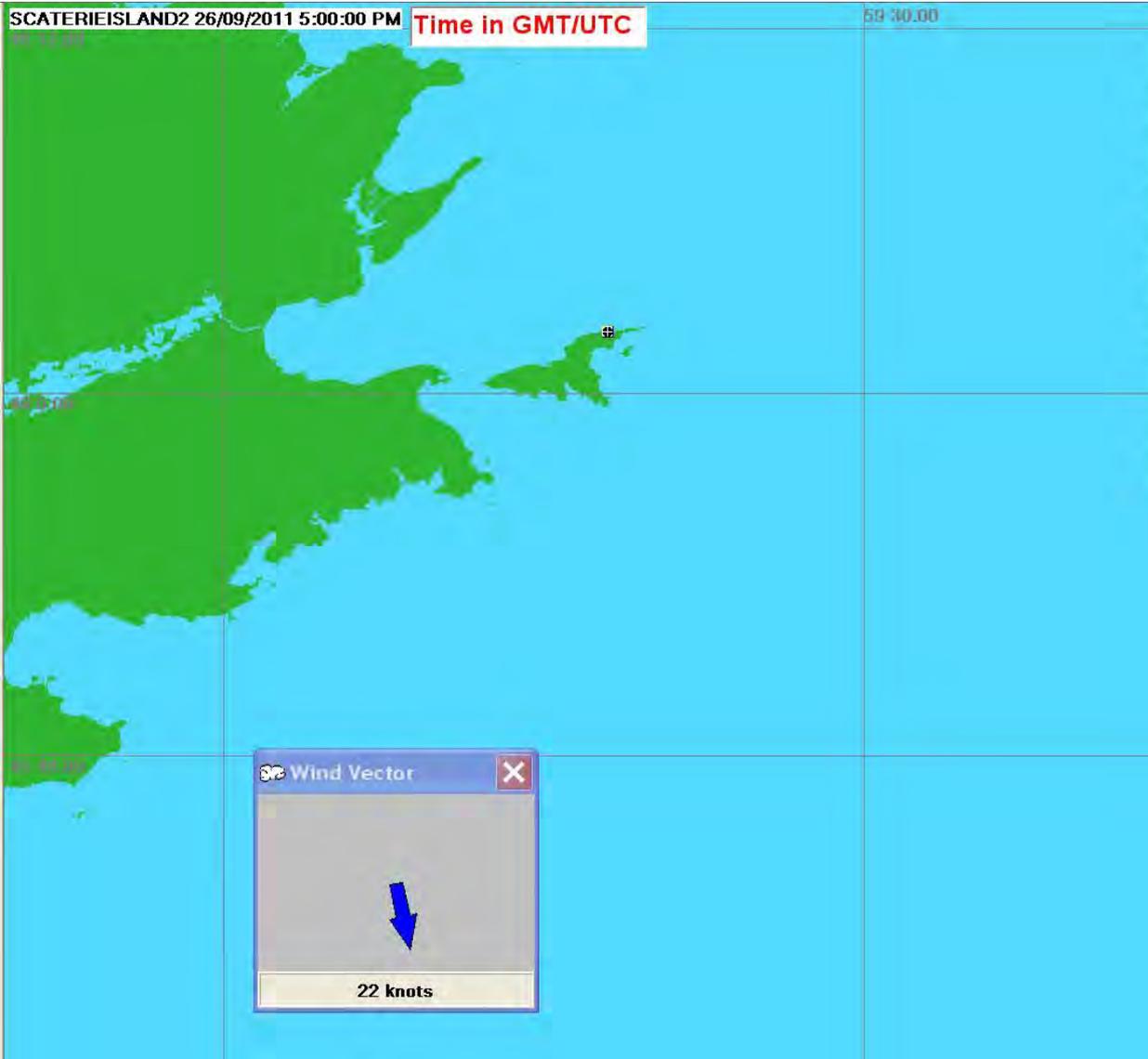
New Information



- **Actually 13.5 mt of various oils (diesel, lube oil, hydraulic) aboard.**
- **Inspection by TC/CCG-vessel in worse condition than owner advised.**
- **Direction Order given to owner to remove pollutants due to approaching heavy weather.**
- **CCG puts Plan B in place to remove oil by helo./ bladder tanks.**



New Trajectory



Emergencies Science and Technology Section
Science & Technology Branch
Environment Canada

Trajectory and Fate Modelling
Spill Incident: Grounded Barge on Scaterie Island
Requested by: Atlantic Region
Slick Position: 46° 02' N/ 59° 42' W
Spill Date & Time: 26 Sept 2011 at 17:00 GMT
Spill Product: Marine Diesel Fuel
Slick Volume: 13.05 Tonnes
Wind Data: CMC REG Wind Model
Currents: DFO Tide Constituents Via CMC
Simulation Duration: 37 Hours
Time Step: 20 minutes

OILMAPTRJ.KEW

OILMAP

Trajectory Colors

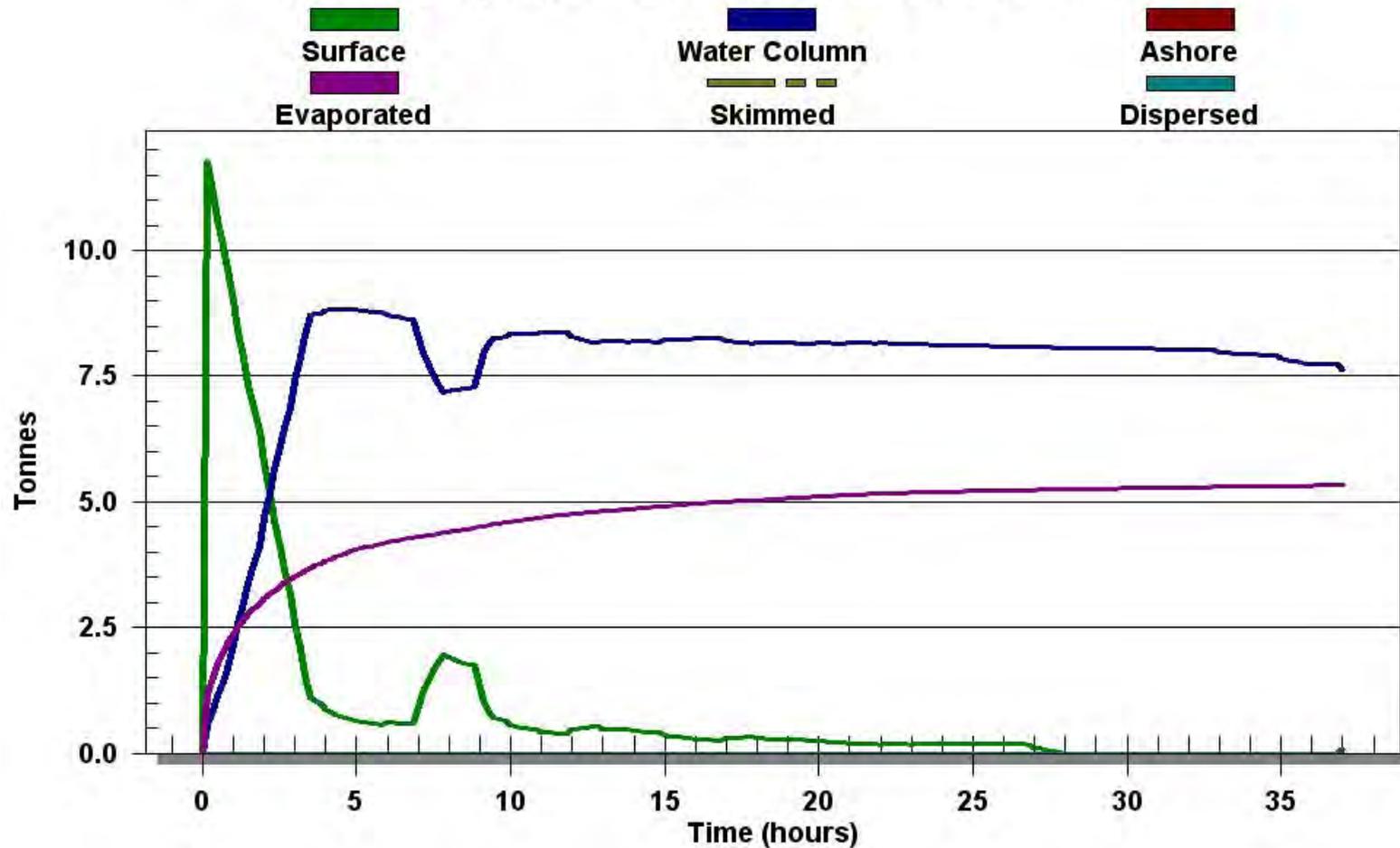
- Surface Oil
- Shoreline Oil
- Surface Swept Area
- Entrained Oil
- Swept Area Entrained Oil
- Uncertainty Area

5.3 km
2.8 Nm

New Mass/Balance



Weathering/Fates for MARINE DIESEL FUEL



Oil Removal



- **Oct. 1/11, owner contracts with Mammoet who conduct survey of vessel for possible salvage and removes 6.5 mt of marine diesel and 2mt of oily waste.**
- **Oct. 4/11 Mammoet cease activities due to having reached owner's funding limit.**
- **Oct. 5/11 major storm strikes.**



Storm Damage



- **Cargo hold 4/5 hatchcovers blown off.**
- **Approx. 15m of hull plating in way of cargo holds 4/5 peeled off.**
- **Large hull in side plating at Engine Room. Engine Room is flooded.**



Additional Oil Removal



- Oct. 7/11, due to inactivity by owner, CCG contracts directly with Mammoet for oil removal.
- 15 tanks, as well as 2 engines, opened and pumped dry. Remaining 2 engines and gearbox open to sea and could not be pumped out.
- Total additional 5 mt of various oils and oily waste removed.



Floatable Removal



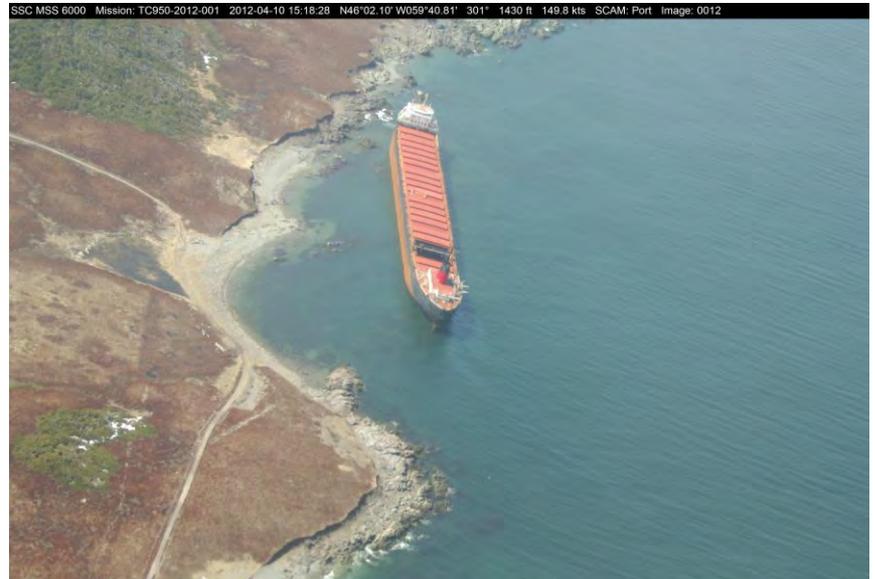
- **Oct. 21/11 Mammoet starts removal of “floatables” under contract with Province of NS- CCG monitors activities.**
- **Oct. 29/11 floatable removal ends due to forecast and approaching winter.**



Continued Monitoring



- Due to minor sheening at site, CCG continued to monitor over winter and placed sorbent boom by way of Engine Room to contain and collect floating oil.
- June 11/12 Province authorizes Bennington Group (on behalf of owners) to dismantle and remove vessel.



Bennington's Actions



- **CCG moves PRV 3 to site and prepares to monitor dismantling operation.**
- **Numerous delays. Extent of activities is construction and placement of barge with man-lift.**
- **Dec. 10/11 CCG removes 230 litres of hydraulic, diesel, and engine oil from man-lift.**



Current Status



SSC MSS 6000 Mission: TC950-2012-121 2013-01-15 18:00:55 N46°02.51' W059°42.03' 199° 1981 ft 179.9 kts SCAM: Port Image: 0025

