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Disabled Tanker Drift Rate vs. Voluntary Tanker Exclusion Zone



Drift Rate Analysis

- Average Weather Case
- Worst Weather Case
- Available Rescue Tug

— Voluntary Tanker Exclusion Zone Boundary

The red and yellow lines indicate the distance a disabled tanker must be from shore in order to be rescued by an available tug before hitting land in different weather conditions. Tankers outside these lines are likely to be rescued before drifting to shore. The black line indicates the Voluntary Exclusion Zone which was put in place to keep Alaskan tankers from getting too close to shore and into a dangerous situation if they lost power. It is interesting to note that the Exclusion Zone, as presently designed, would not protect Haida Gwaii from a drifting tanker in severe weather conditions. As of 2008, approximately one Alaskan tanker travels along the west coast per day.

Exclusion Zone: BC Ministry of Energy, Mines and Petroleum Resources; Drift lines: digitized by Living Oceans Society from the West Coast Offshore Vessel Traffic Risk Management Project Final Report 7/2002
Bathymetry: DFO
Mapping: Living Oceans Society

0 50 100 150 200 km

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