Appendix B: Stochastic Model Results

This Appendix contains maps of the stochastic model results from spill simulations at the Bull Arm site. The summer maps are shown first, followed by the winter season results.

- For water surface oiling, the map shows the predicted probability that surface oil will exceed the 0.01 mm thickness threshold.
- For shoreline contact, the left hand map shows the predicted probability that shoreline oil will exceed the 0.01 mm thickness threshold, the map on the right side of the page shows the minimum time required for the shoreline oil thickness to reach the thickness threshold.
- For entrained oil, the map shows the predicted probability that entrained oil will exceed the 10 ppb concentration threshold.

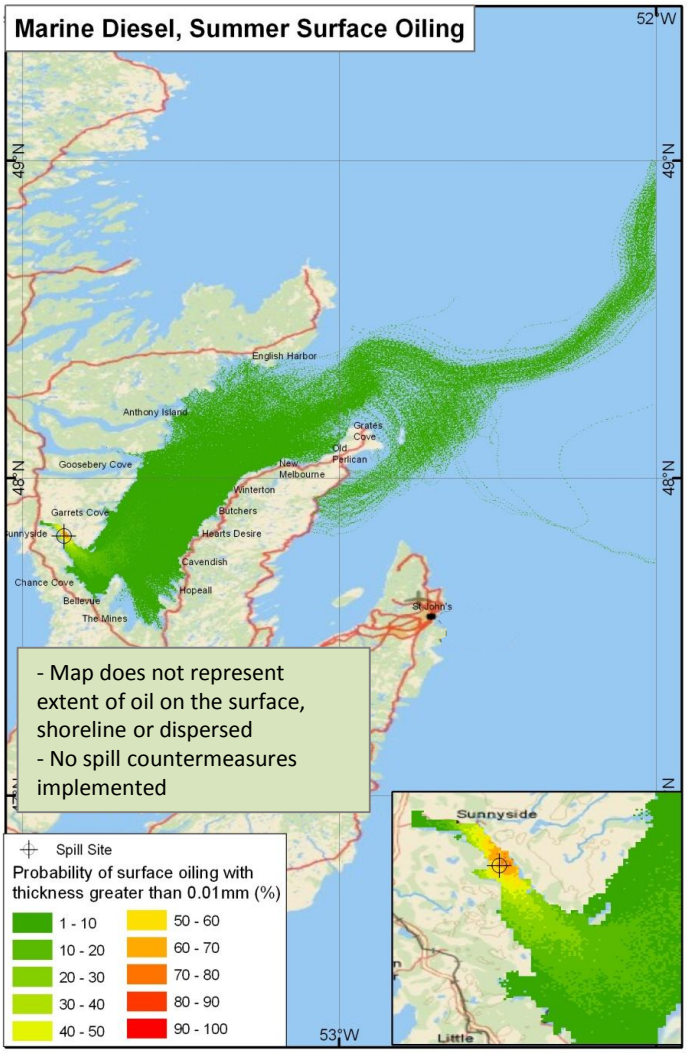


Figure B1. Probability of surface contact from a release of 100 m^3 of marine diesel at the Bull Arm site in summer.

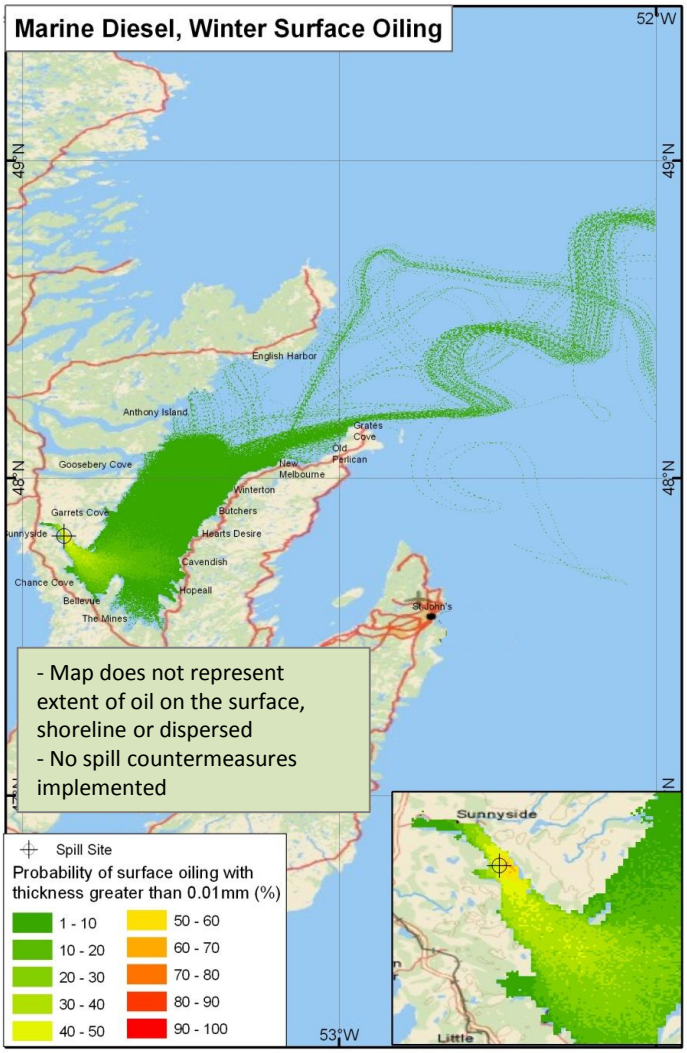


Figure B2. Probability of surface contact from a release of 100 m^3 of marine diesel at the Bull Arm site in winter.

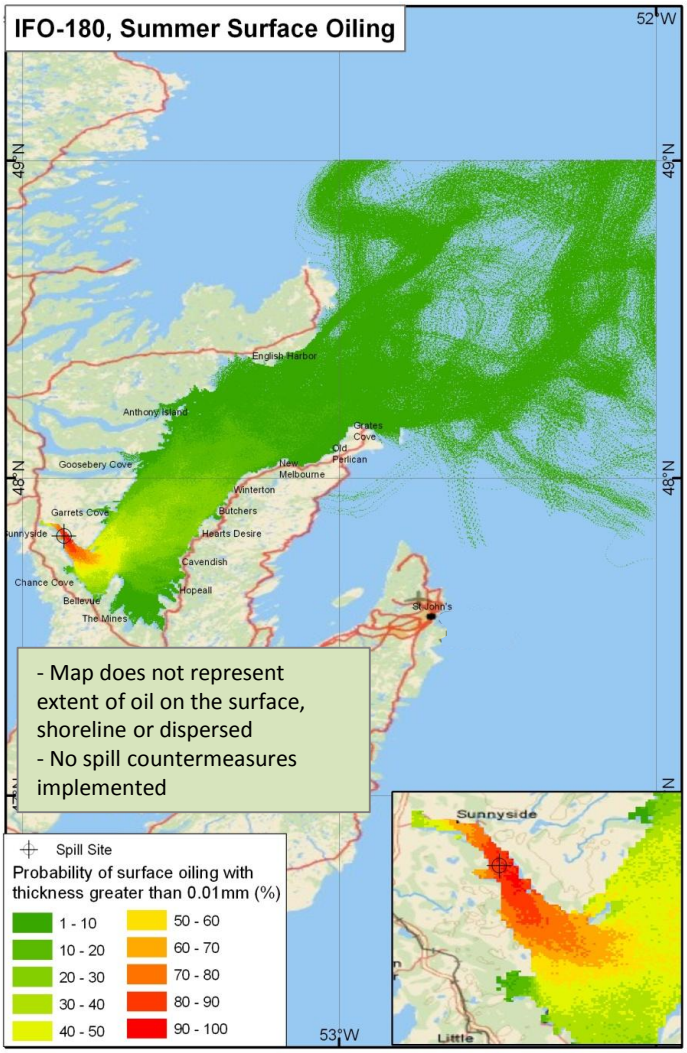


Figure B3. Probability of surface contact from a release of 1,000 m^3 of Intermediate Fuel Oil (IFO-180) at the Bull Arm site in summer.

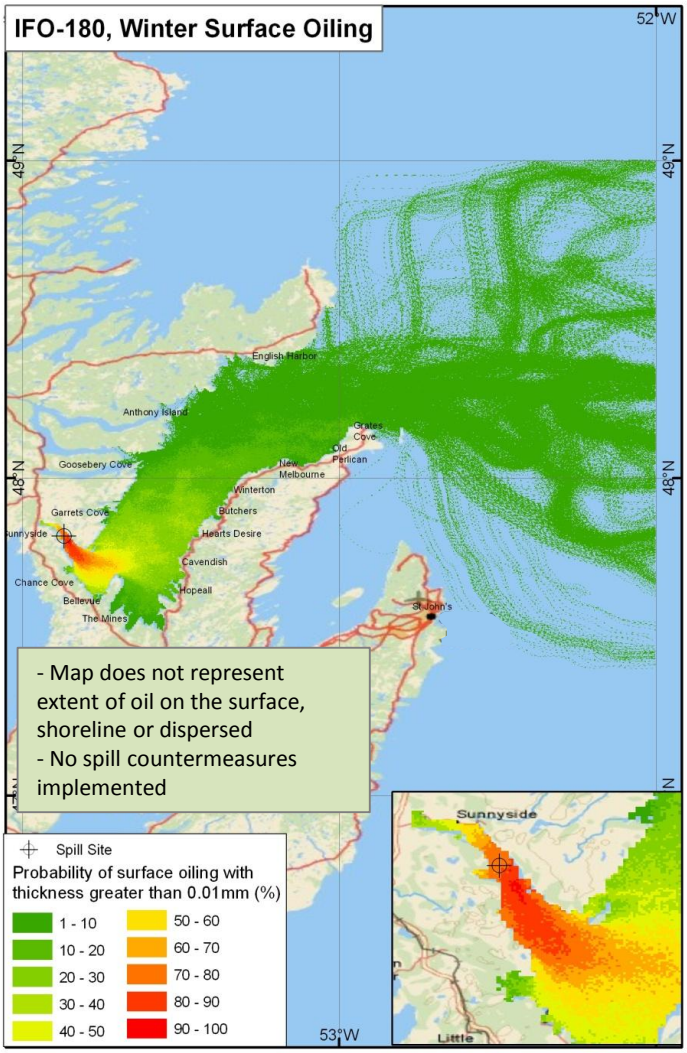


Figure B4. Probability of surface contact from a release of 1,000 m^3 of Intermediate Fuel Oil (IFO-180) at the Bull Arm site in winter.

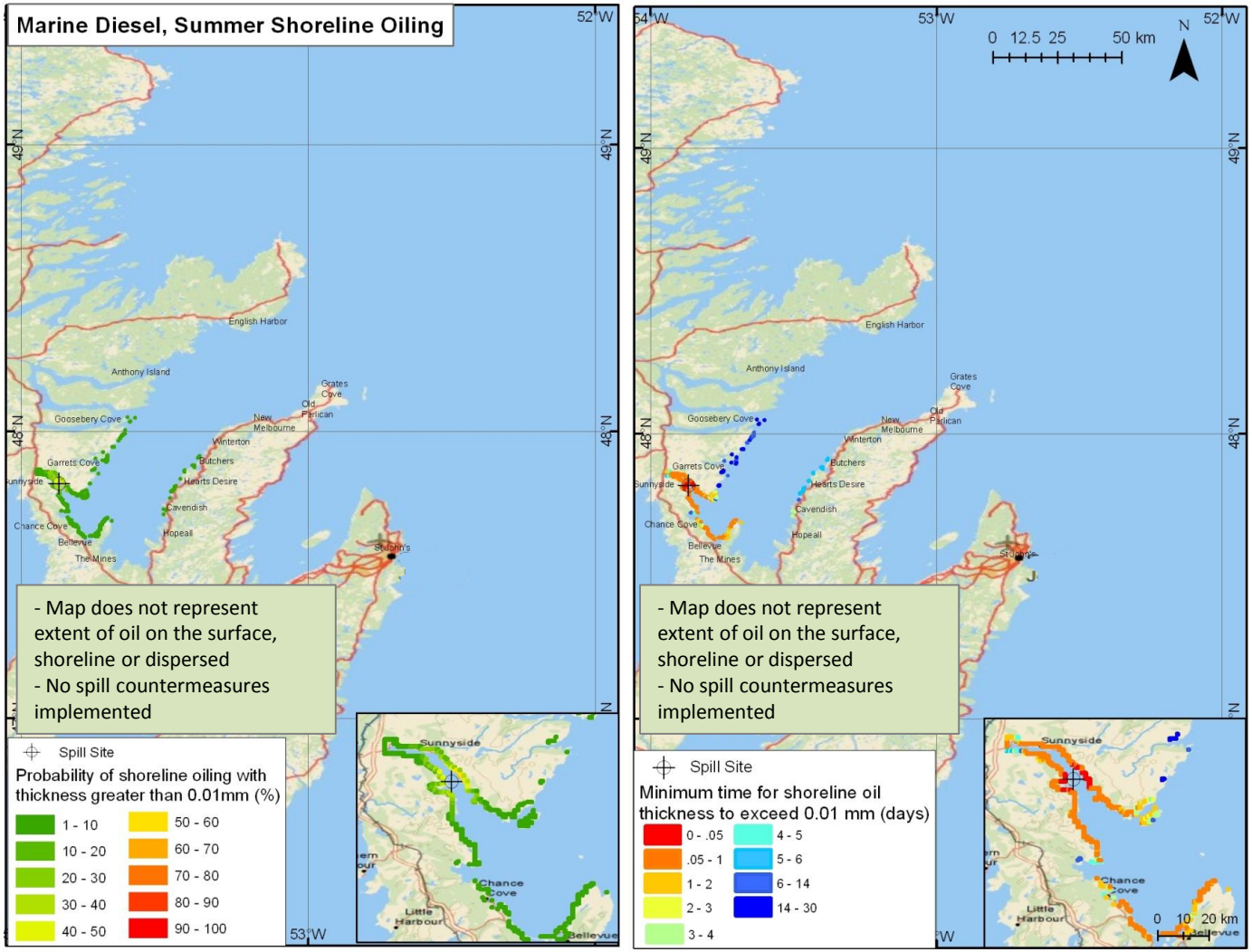


Figure B5. Probability and minimum arrival time of shoreline contact from a release of 100 m^3 of Marine Diesel at the Bull Arm site in summer.

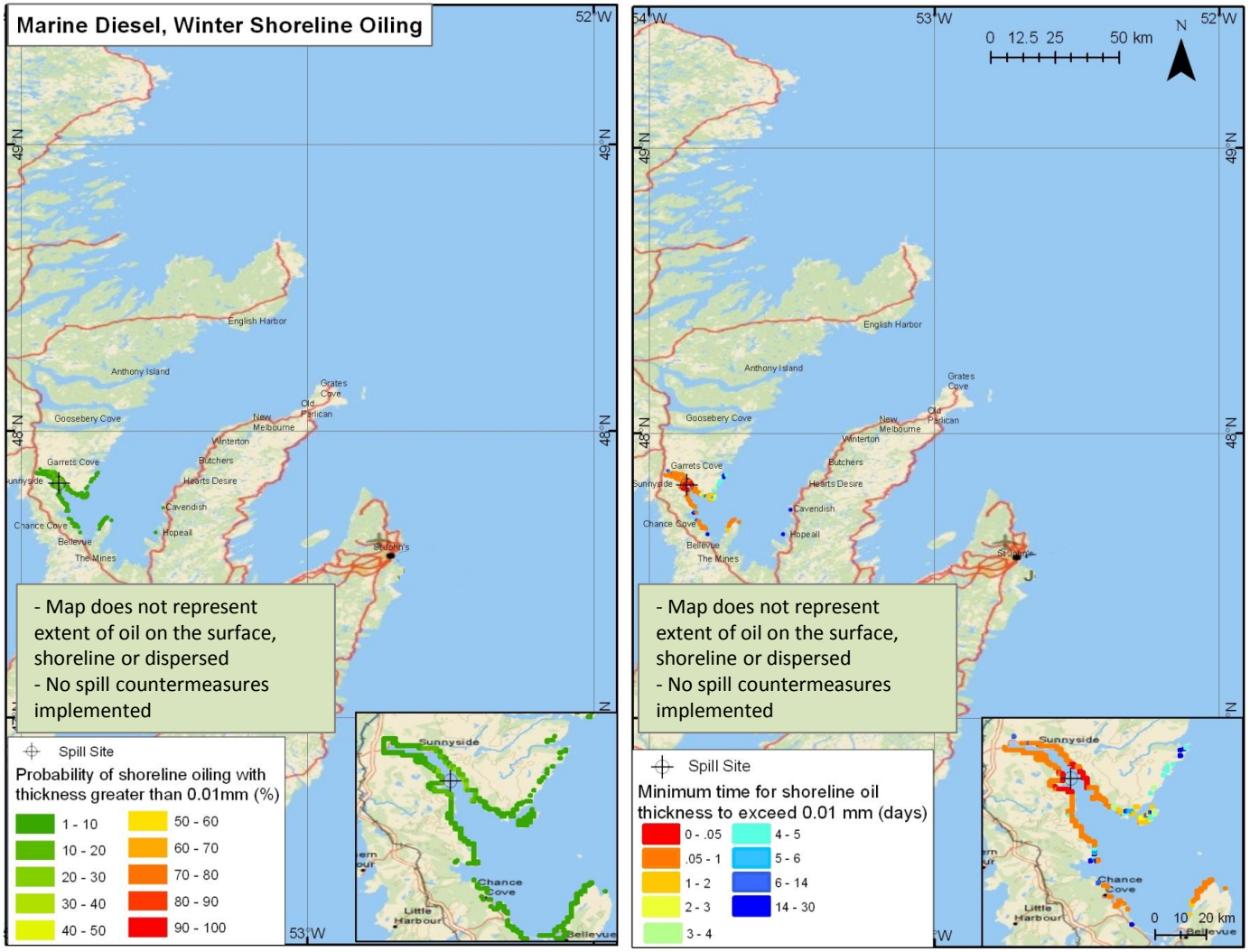


Figure B6. Probability and minimum arrival time of shoreline contact from a release of 100 m^3 of marine diesel at the Bull Arm site in winter.

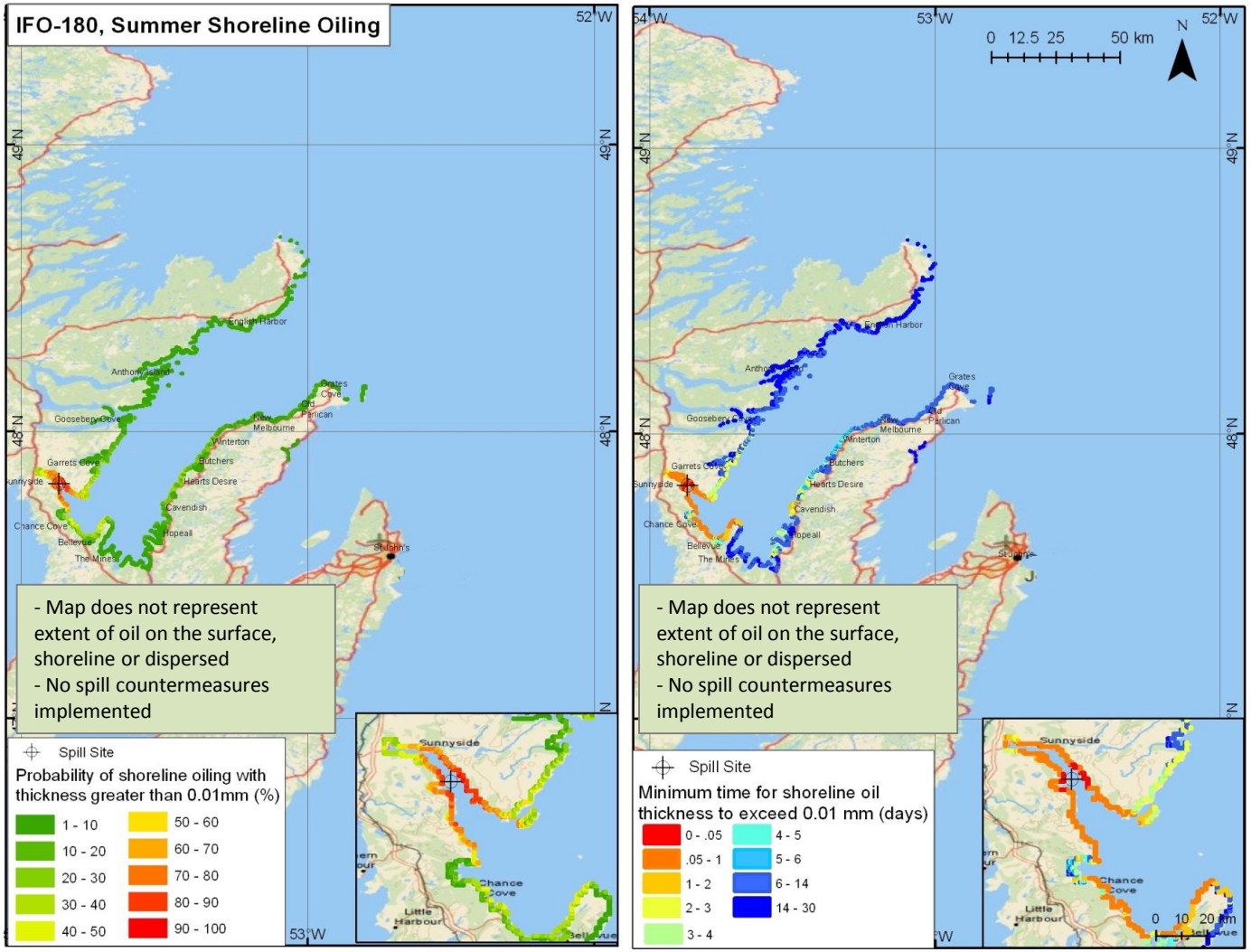


Figure B7. Probability and minimum arrival time of shoreline contact from a release of 1,000 m^3 of Intermediate Fuel Oil (IFO-180) at the Bull Arm site in summer.

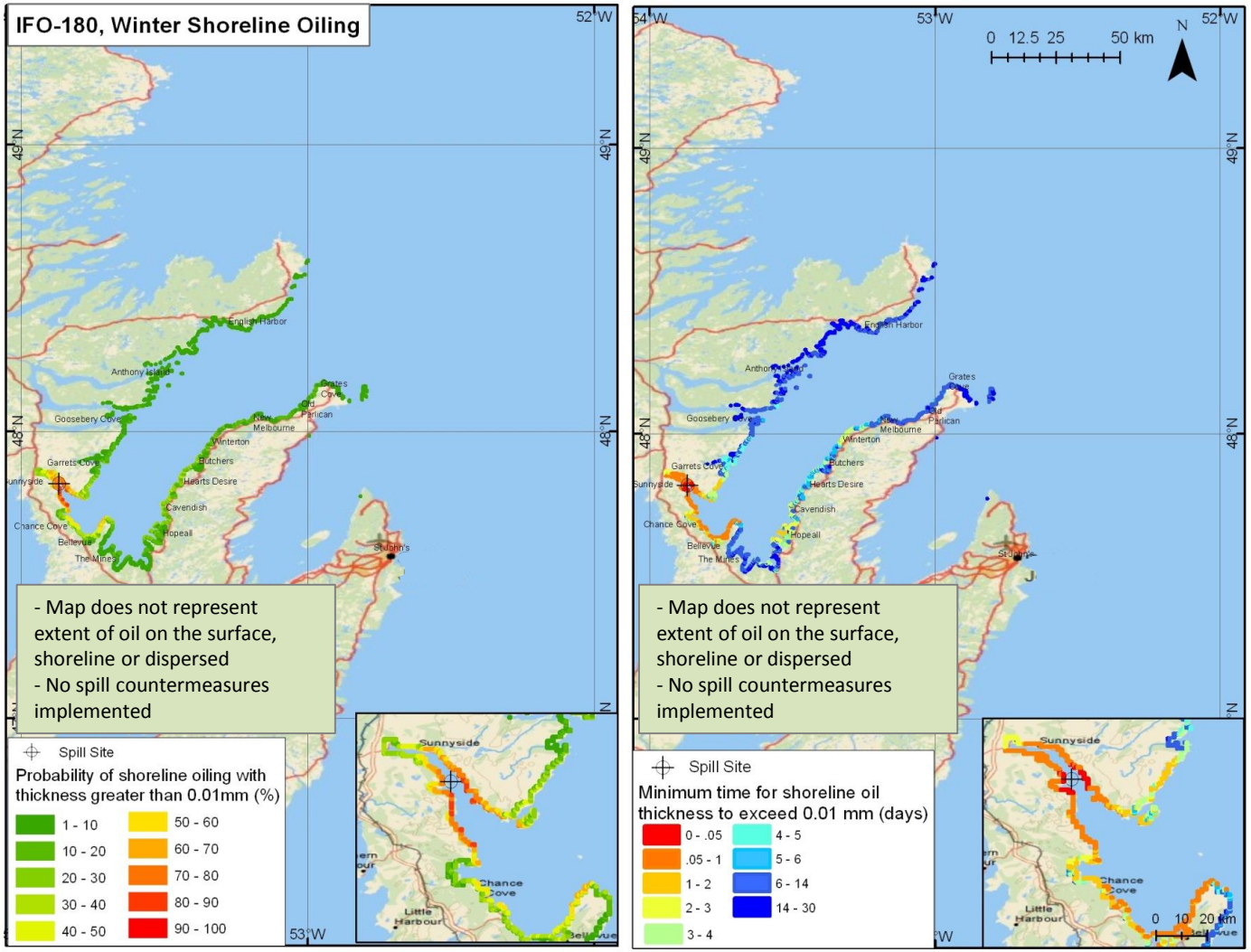


Figure B8. Probability and minimum arrival time of shoreline contact from a release of 1,000 m^3 of Intermediate Fuel Oil (IFO-180) at the Bull Arm site in winter.

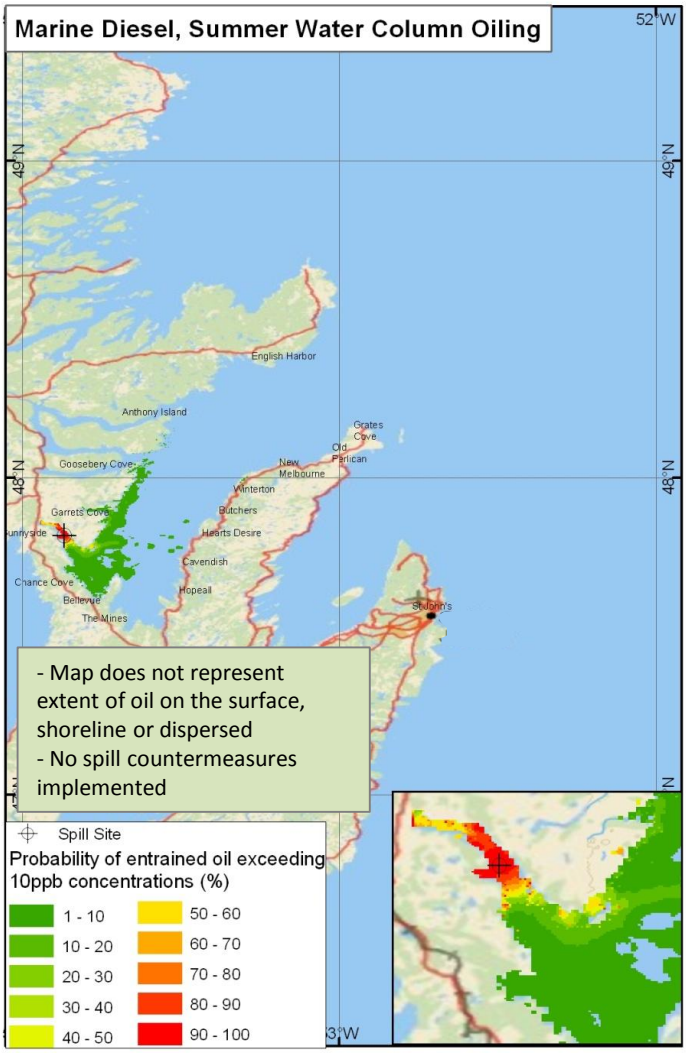


Figure B9. Probability entrained oil from a release of 100 m^3 of marine diesel at the Bull Arm site in summer.

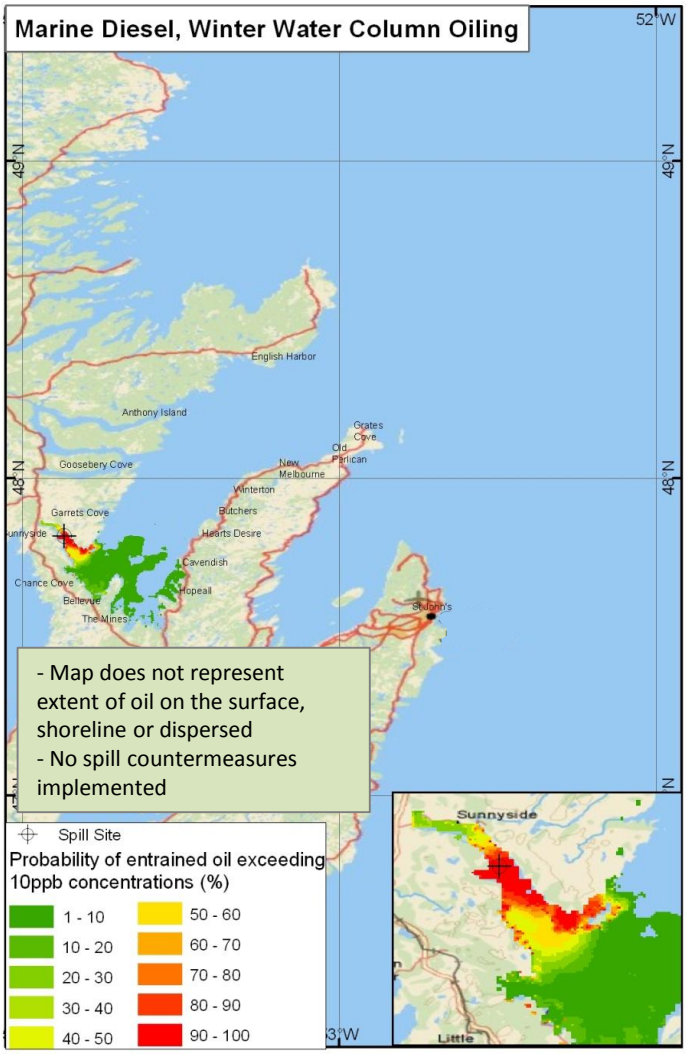


Figure B10. Probability of entrained oil from a release of 100 m^3 of marine diesel at the Bull Arm site in winter.

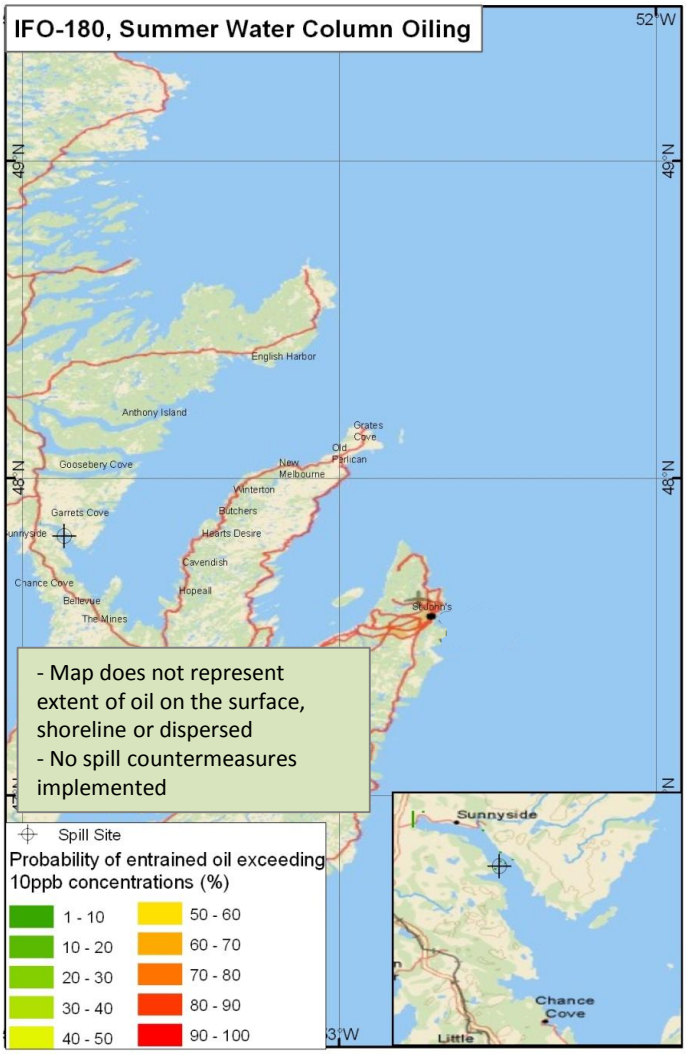


Figure B11. Probability of entrained oil from a release of 1,000 m^3 of Intermediate Fuel Oil (IFO-180) at the Bull Arm site in summer.

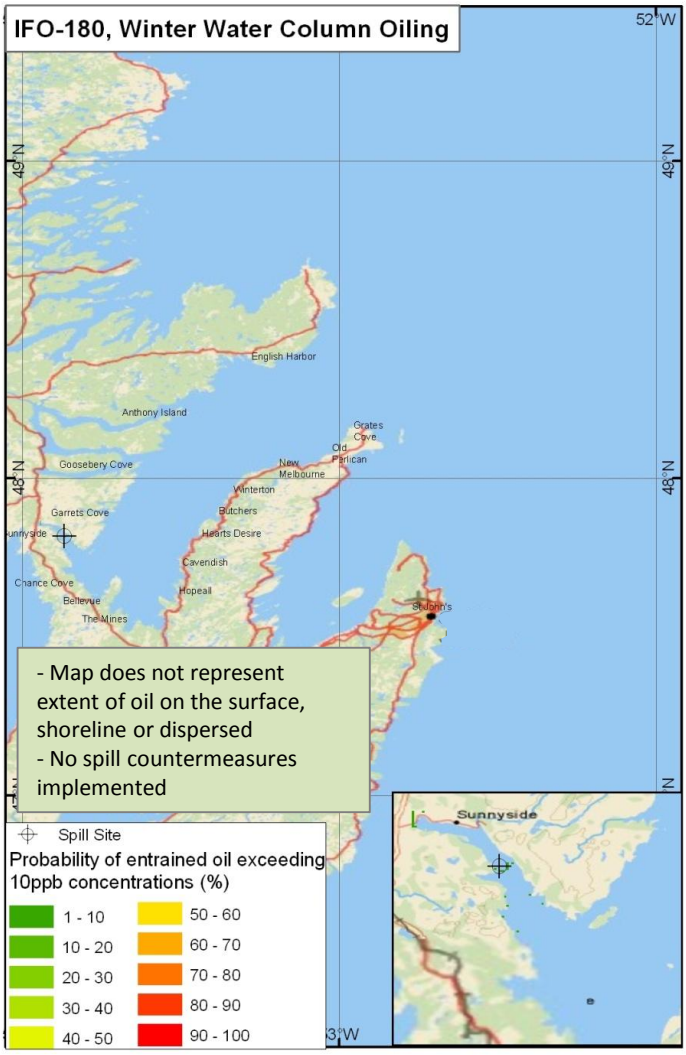


Figure B12. Probability of entrained oil from a release of 1,000 m^3 of Intermediate Fuel Oil (IFO-180) at the Bull Arm site in winter.