

Appendix D

Placentia Bay Vessel Activities of Concern, Stressors and Valued Component Possible Priority Study Areas

(Additional information to be provided at time of contract award)

Vessel Activities of Concern
Movement Underway (vessel movement through the water)
Vessel displacement in the Bay (small vessel activity)
Discharge
Anchoring
Placing aids to Navigation
Aquaculture vessel use; support vessels related to aquaculture
Marine Shipping related Stressors
Light
Noise/Vibration
Speed – Vessel strikes
Speed – slow moving vessels and barges spreading aquatic invasive species
Substrate disturbance
Marine Debris
Cargo release
Plastics, including microplastics
Varying contaminants
Fishing gear debris – entanglement
Oil discharge (chronic and episodic)
Ballast water (domestic)
Hull fouling
Aquatic Invasive Species (green crab, tunicates) – into and out of the Bay
Valued Components (priority study areas)
Sea birds
Fish (capelin, lobster, cod)
Marine mammals; North Atlantic Right Whale
Leatherback Sea Turtle
Habitat (eel grass, coral, sponges)
Soft sediment
Spawning grounds (Spawning aggregations of cod; spawning sites near anchorages; capelin spawning)
Water quality
Lobster fishery – historical fluctuations of lobster in Placentia Bay
Species at Risk
Tourism – viewsapes, small vessel safety in an active Bay
Sharing the waterway
Vessel safety - visibility, fog, impacts of climate change; aid to navigation technology
Viability of coastal communities that depend on the region for their livelihood