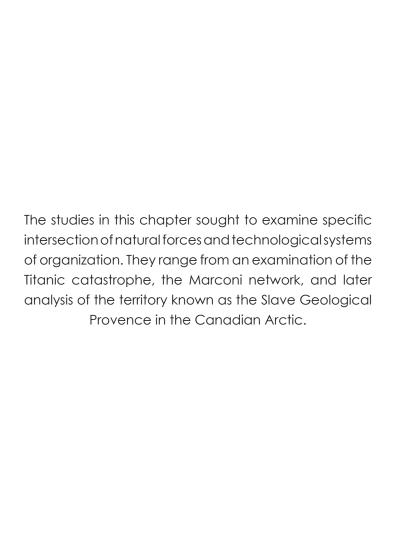
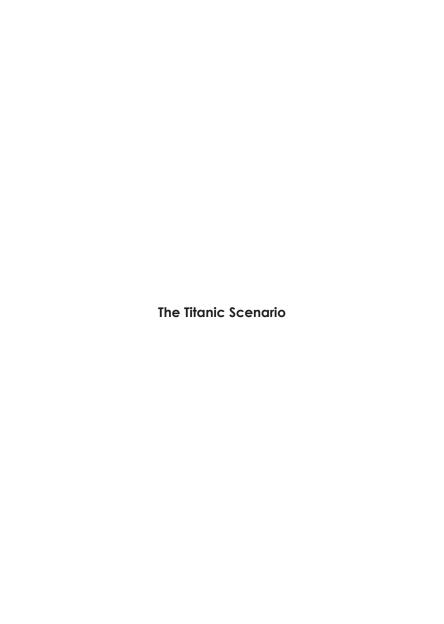
INTERSECTIO	ONS BETWEEN	NATURE A	ND TECHI	NOLOGY





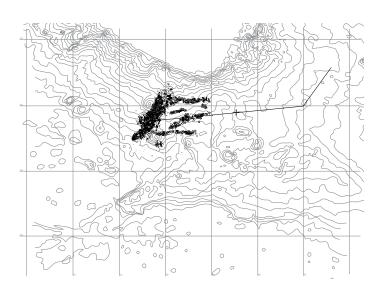
As mentioned above, the Titanic episode appeared out of a study of the Marconi Wireless Network. I was drawn to the event on its own terms as it presented a very well-documented and evident confluence of nature at odds with human desire and the available communication technology of the time.

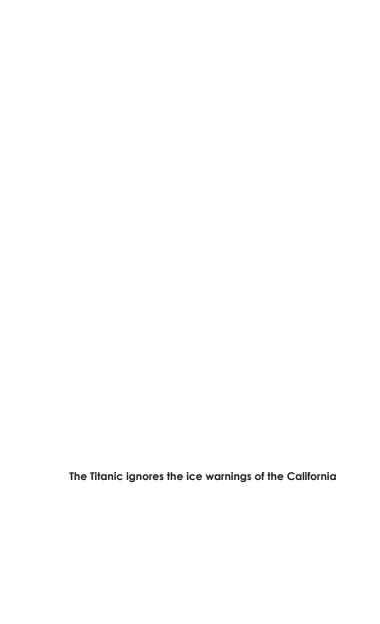
Through examination of the records of all the wireless transmissions made between the Titanic and the ships in the vicinity of its crash, we see that not only was the mega-steamer warned of the danger of sea ice in the area, but the wireless operator on board chose to ignore the more urgent messages of ships closest-by that the boat was bound to strike an iceberg if it continued on course. Yet, the boat steamed on as the wireless operator transmitted popular news media announcements and personal messages between passengers on board and their waiting-parties on shore.

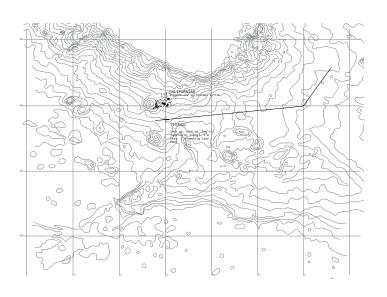
After striking an iceberg, the shortcomings of the "advanced" communication technology persisted. Firstly, the ship initially reported incorrect coordinates for its position. And, secondly, it could only communicate with one other ship at a time, making it difficult to coordinate an efficient rescue operation. The ship closest by the Titanic was not even aware of the distress calls but most likely could have saved more passengers than the Carpathia, who ultimately was responsible for locating the passengers privileged enough to obtain a lifeboat.

As such, we might look back to primitive navigational techniques that gain resilience through vision and atmospheric understanding.

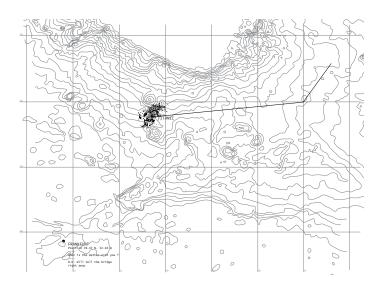




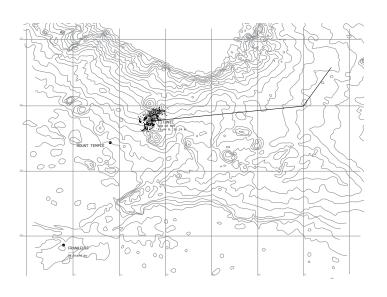




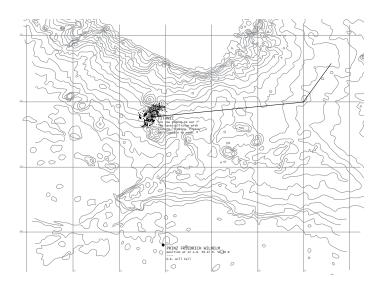




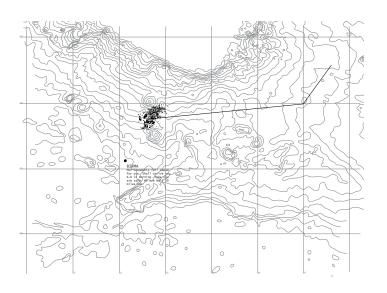




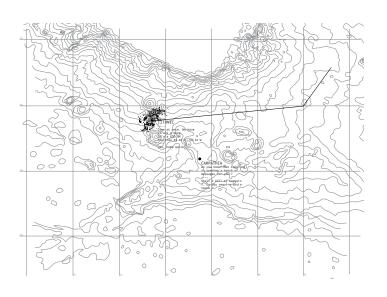


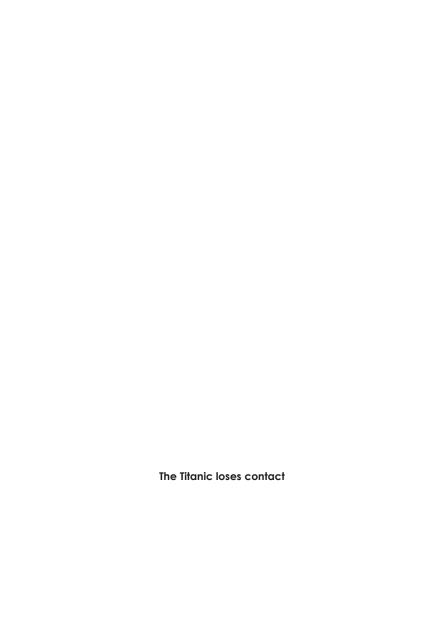


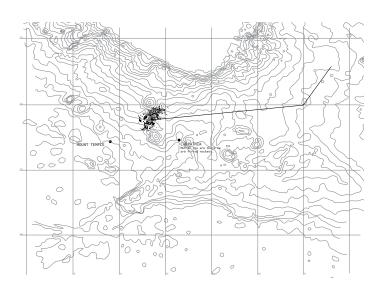




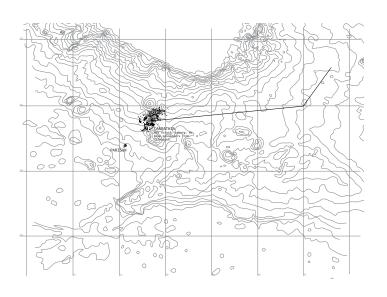




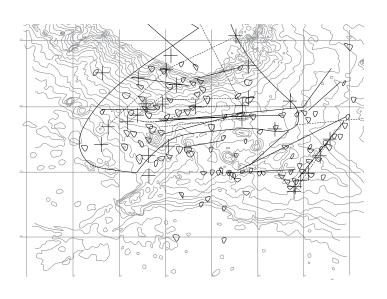




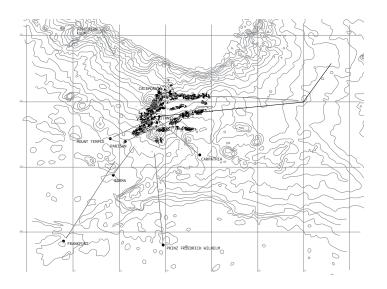


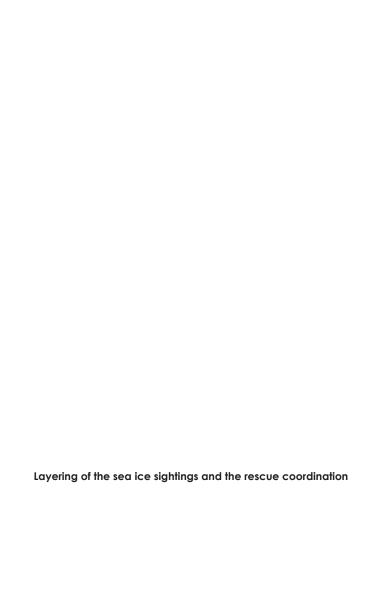


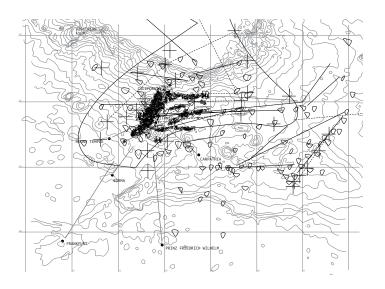




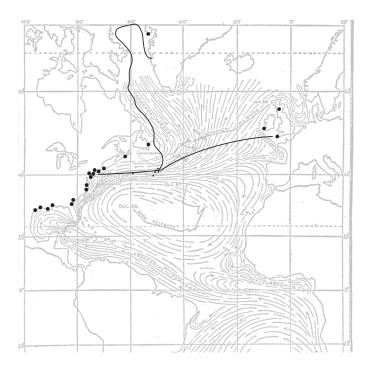


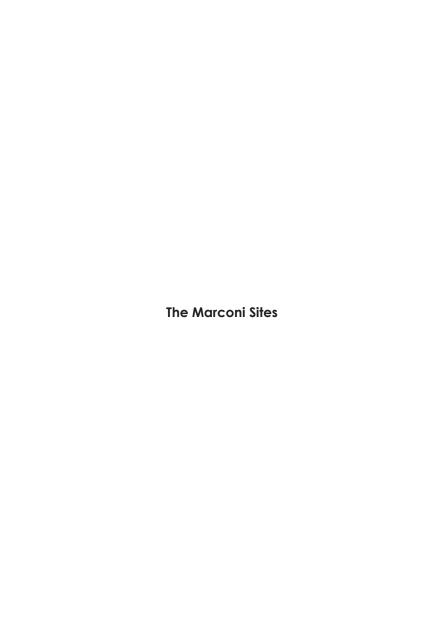






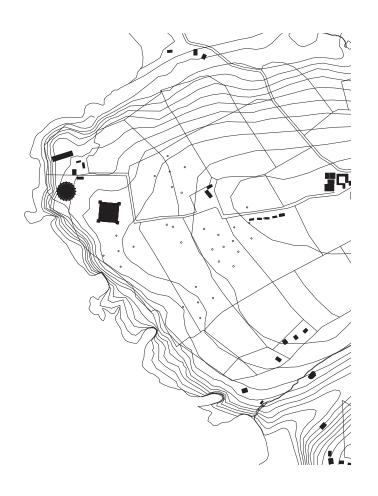


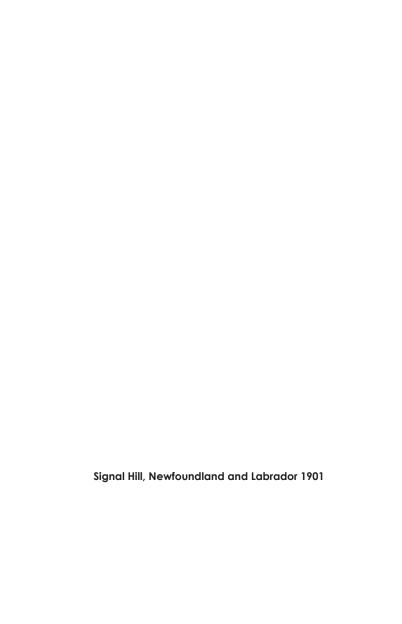


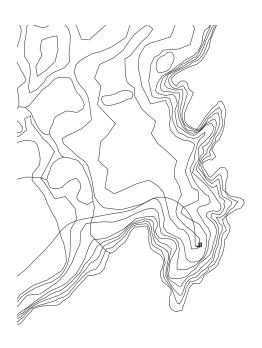


The Marconi Wireless Network was serviced through a multiple transmission stations on both sides of the Atlantic Ocean. Large antennae towers were built at all of the stations, and some were used by Marconi as test sites. Each site also supported a different iteration of the wireless antennae device, which ranged from a kite, to small radial arrays, to groups of two-hundred feet high towers, to extremely large radial arrays, and eventually to the more intelligent linear directional arrays.

In all cases, the station sites are now abandoned except for some concrete foundations of the radio tower bases. Though they successfully serviced the Marconi network, none of the stations were integrated into their surrounding social structures and ecological processes. For example, the South Wellfleet station was forfeited to an eroding sea cliff, while the Clifden station was ransacked by the early Irish Republican Army as part of its struggle for Home Rule.







South Wellfleet, Massachusetts 1902 - 1919

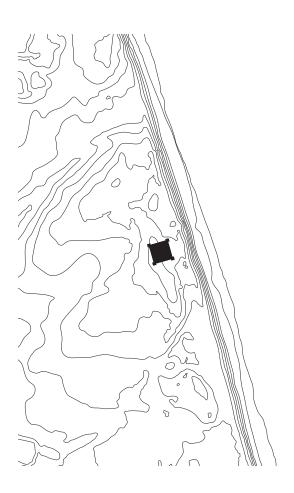
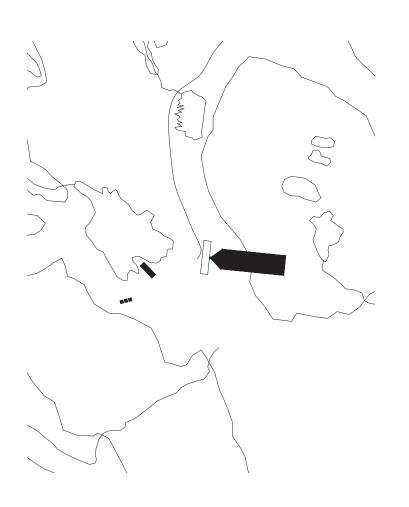


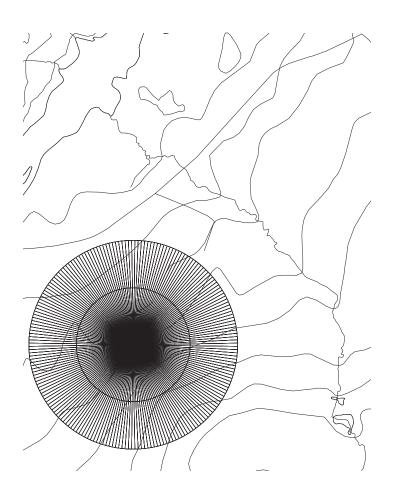
Table Head, Glace Bay, Nova Scotia 1901 - 1905

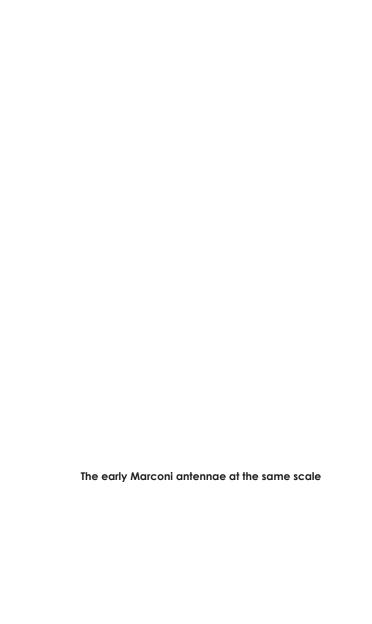


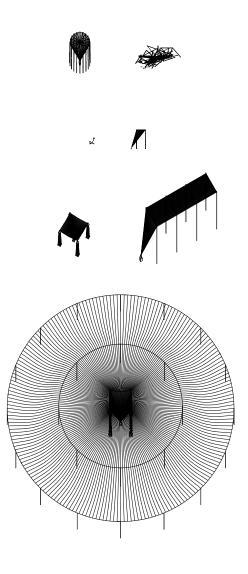
Clifden, Ireland 1905 - 1922



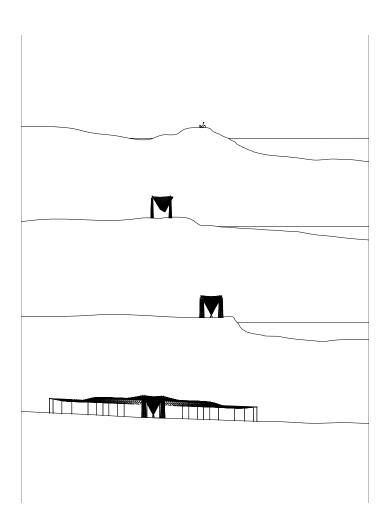
Port Morien, Glace Bay, Nova Scotia 1905 - 1946



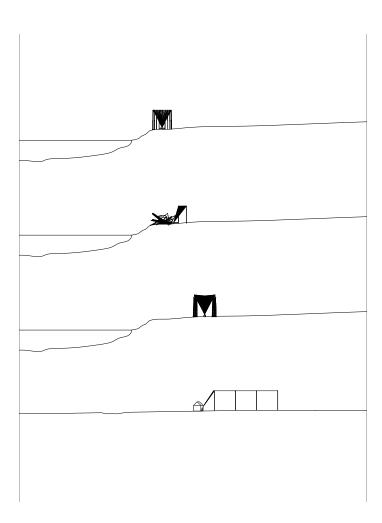


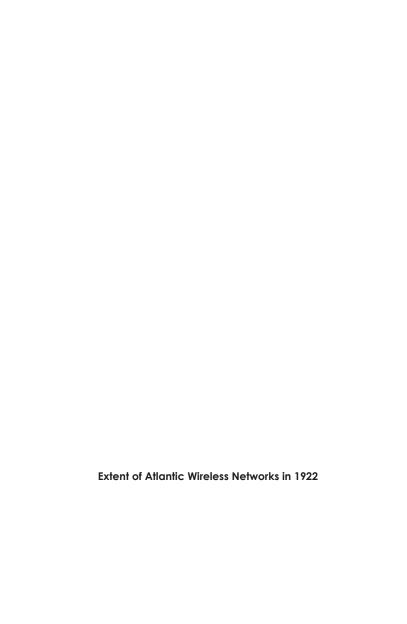


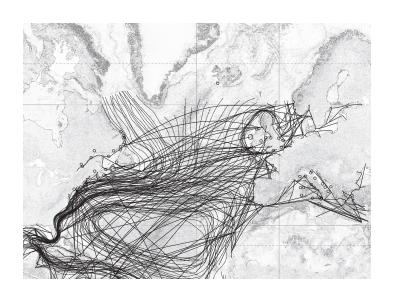


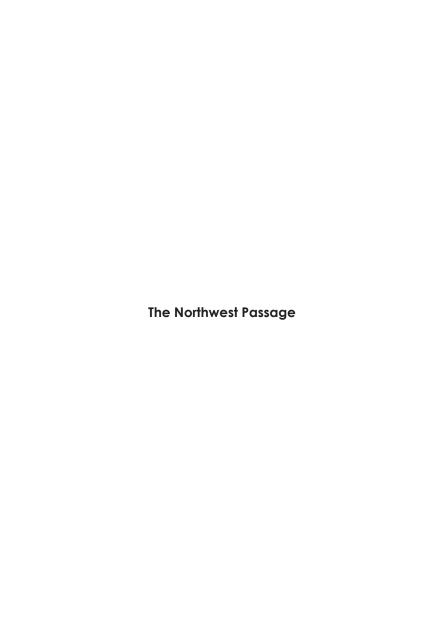






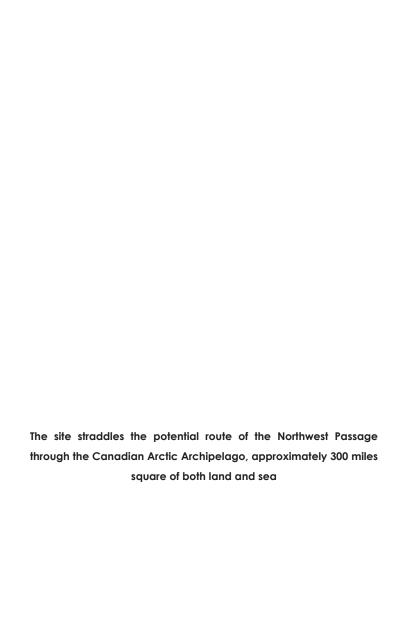




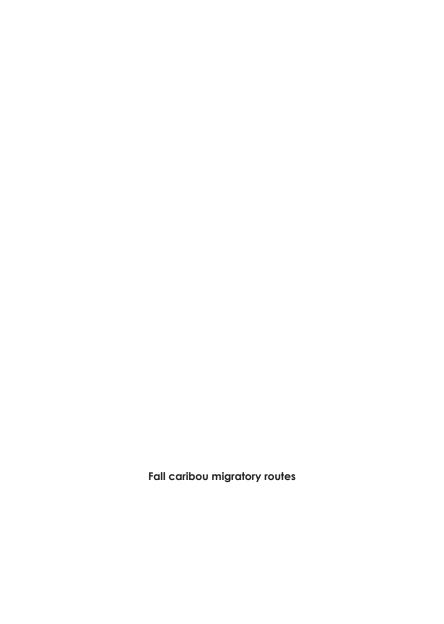


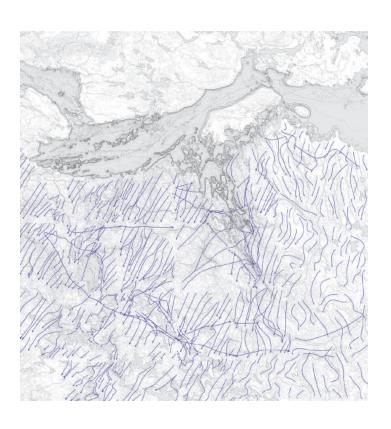
The Northwest Passage would extend through the Canadian Arctic Archipelago, an area that is predominantly inhabited and self-governed by Inuit populations. Up until the early 20th century, the stereotype of Inuits as Eskimos that live in igloos and hunt and fish for food was relatively true and is now so distant from the present. However, as white explorers began to map the area, the Inuit began trading with them and eventually fur trade networks were codified and trading posts were established. Yet, even at midcentury, the Inuit still tended to live in temporary group sites in the winter, and then were nomadically dispersed in tents and sodhouses across the land in the summer.

In the early 1950s, under the goal to establish its sovereignty over the Arctic, the Canadian government began subsidizing programs to provide housing, healthcare, and education in permanent settlements across Inuit territories. This effort coincided with the construction of the Distant Early Defense Line: a chain of radar stations jointly funded and built by Canada and the United States to warn of a Soviet attack from the North. Inuit people were recruited to help build the stations and were later employed to assist in their operation and maintenance. Villages began to grow around the main stations, and eventually grew into towns. These towns now range in size from one-to-two thousand people (despite the DEW Line's dismantling) and are growing at a rate five times as fast as New York City. Despite living in houses in these permanent settlements, the majority of Inuit people still hunt and fish for their food as an occupation, and partly to offset the extraordinarily high costs of imported food from the South.

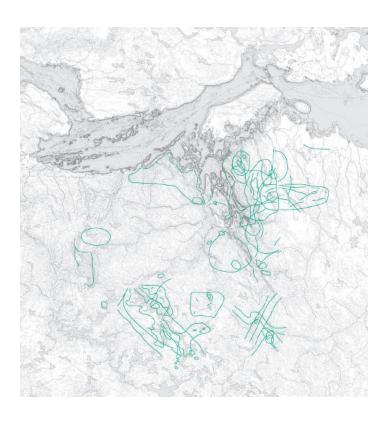




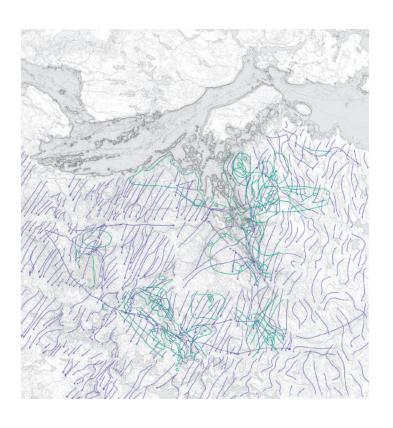




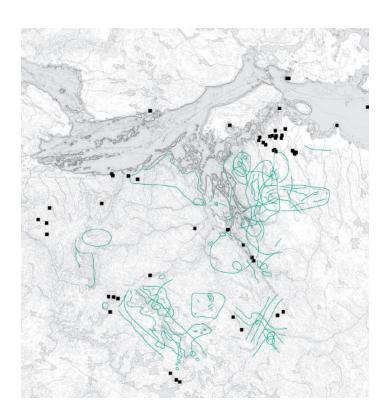




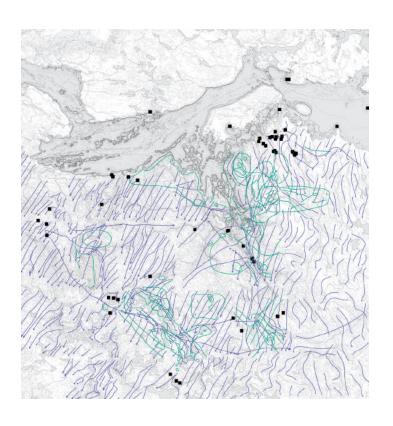




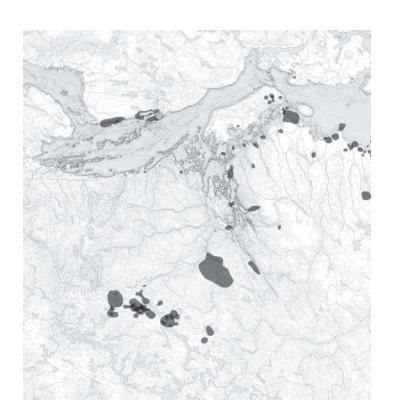




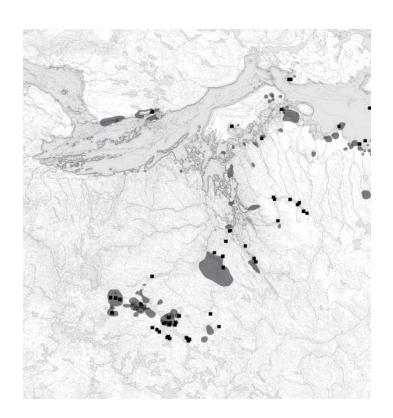


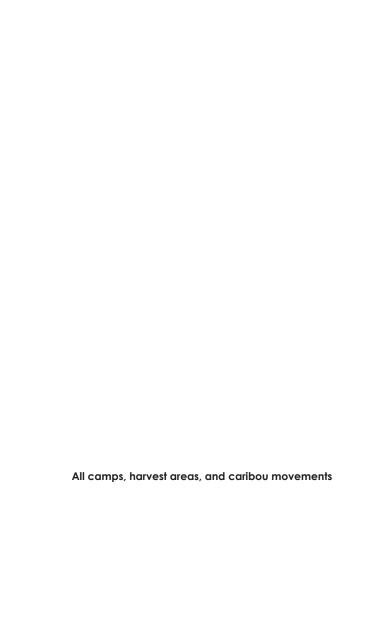


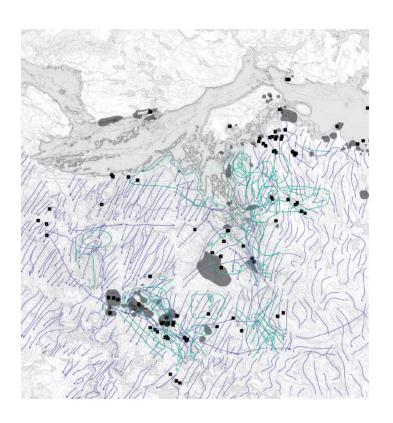




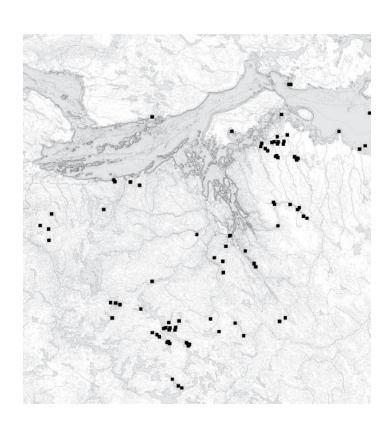


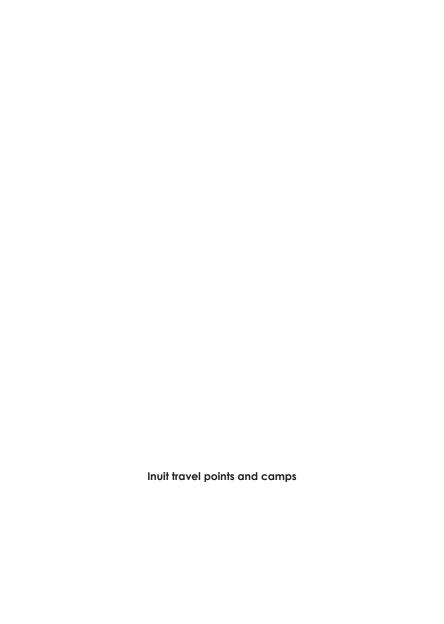


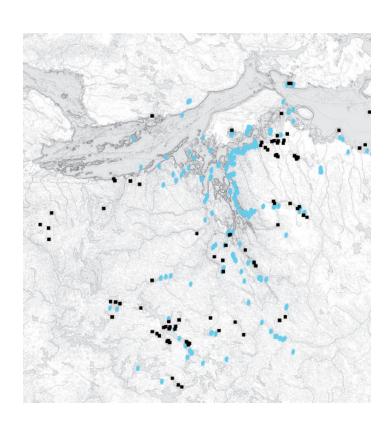




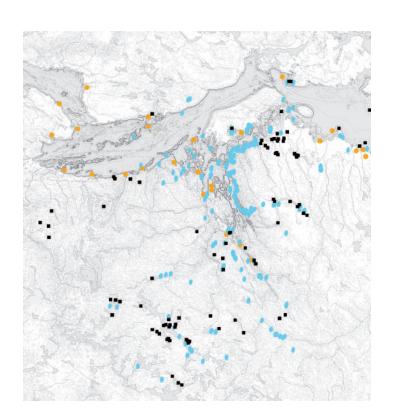


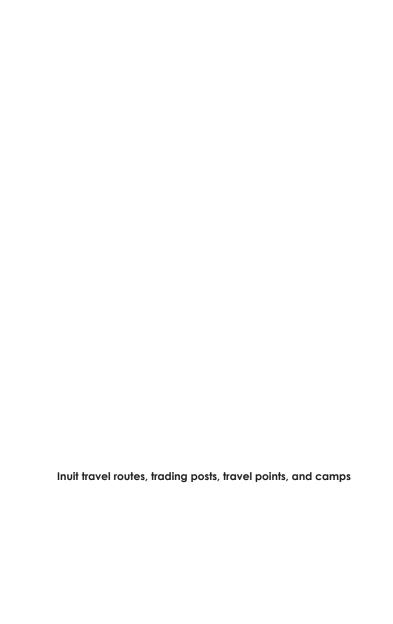


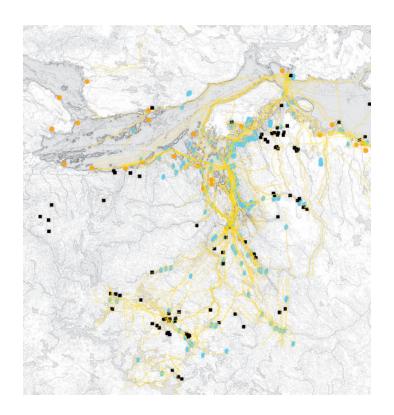




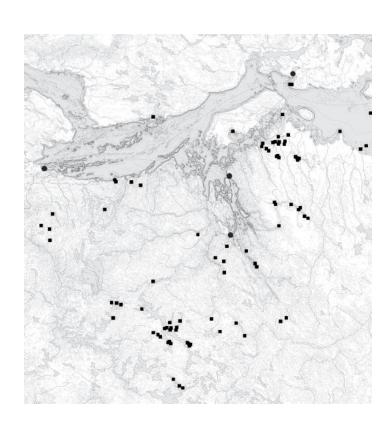




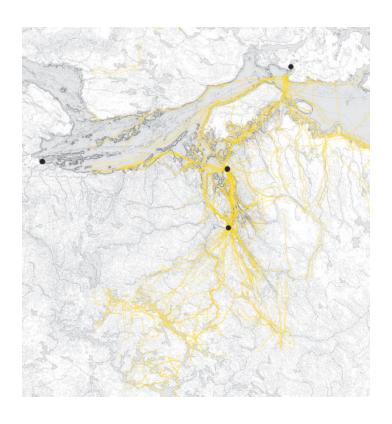




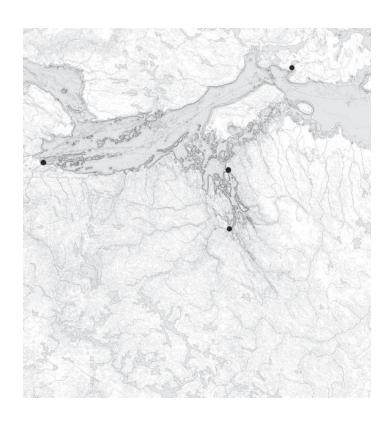




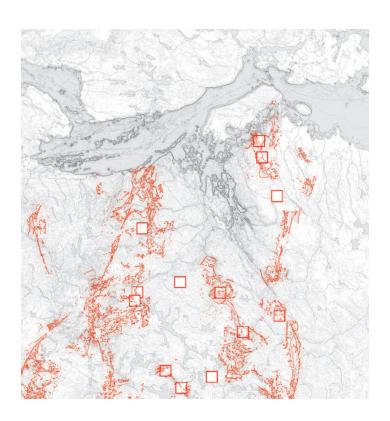


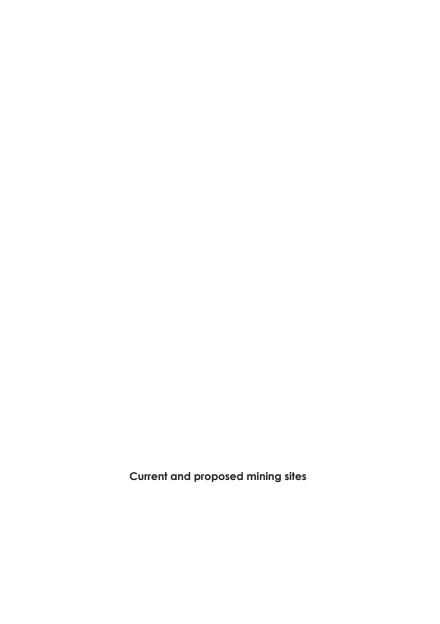


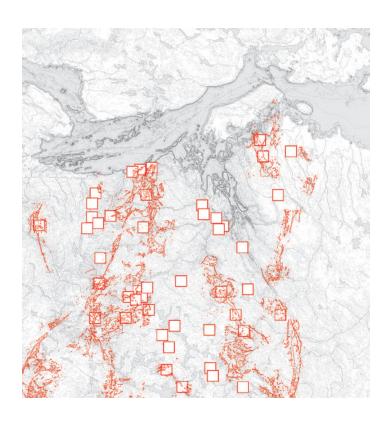




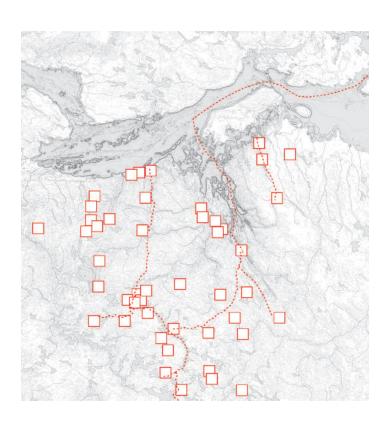








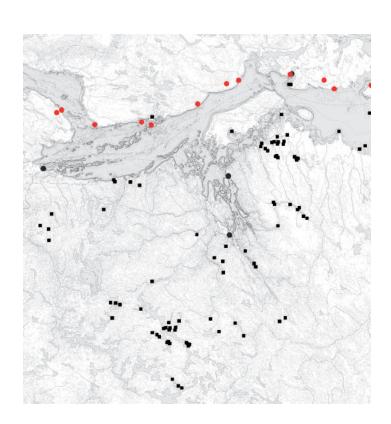




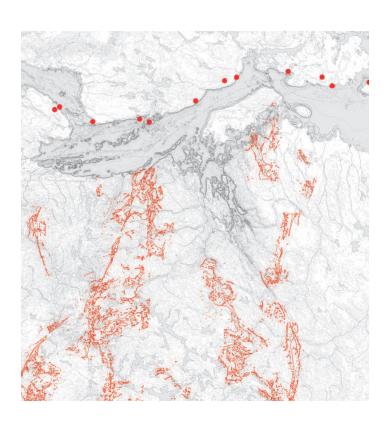




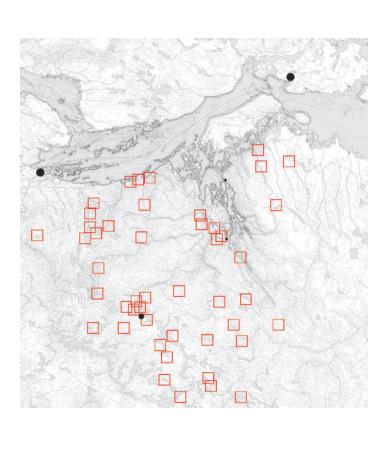




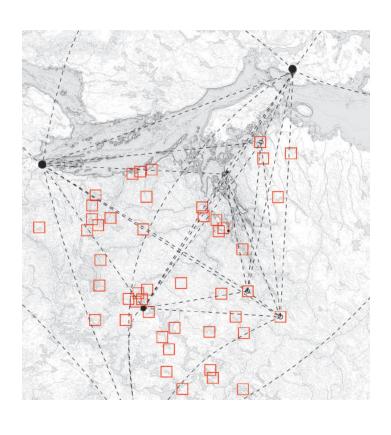


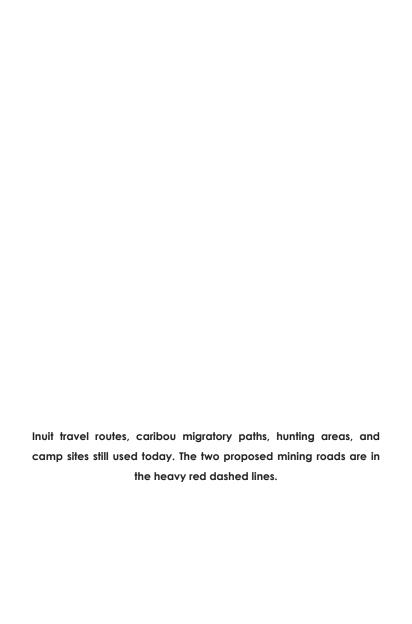


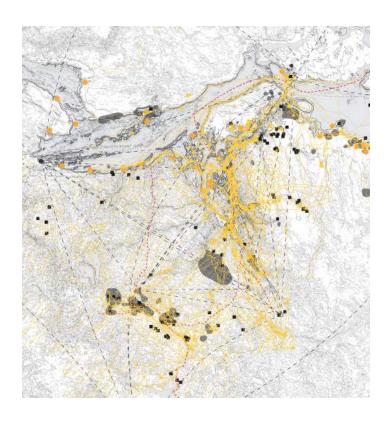


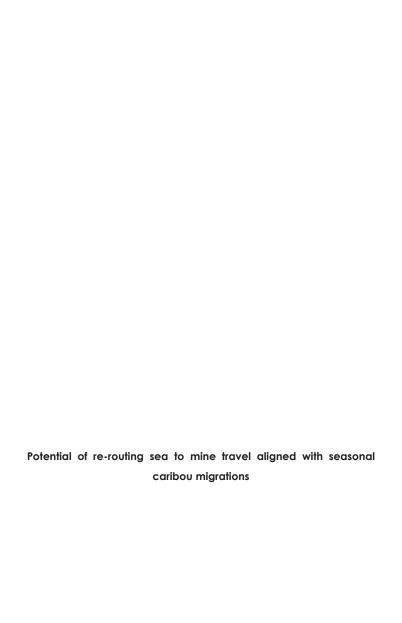


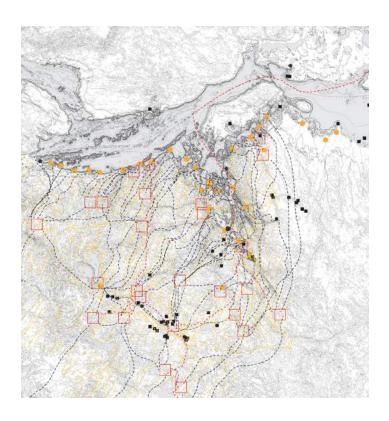


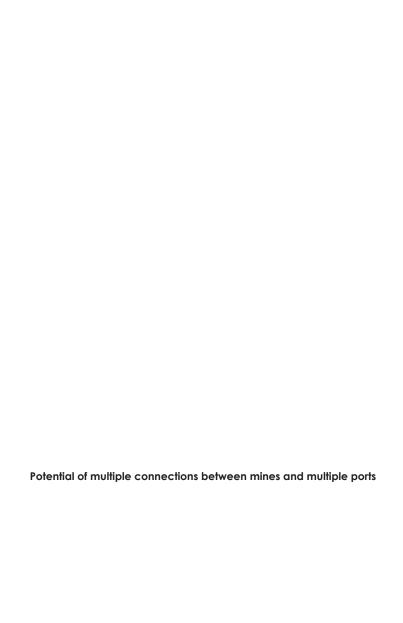


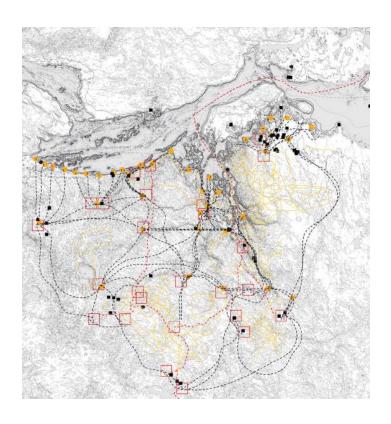


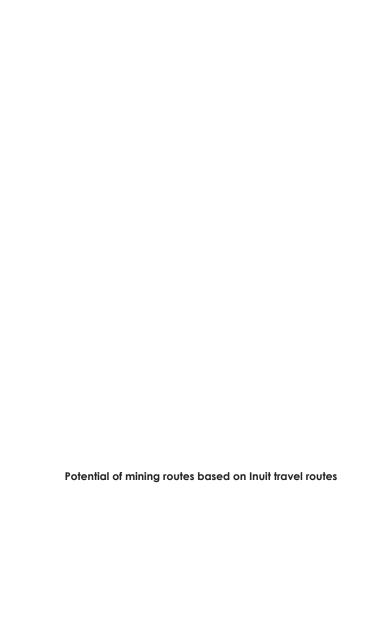


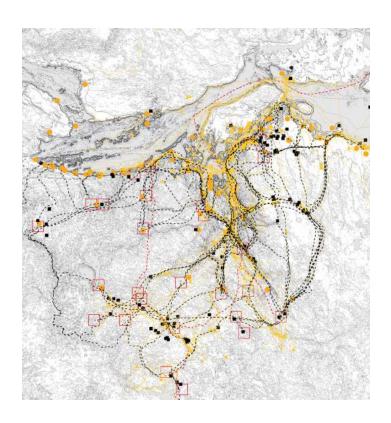










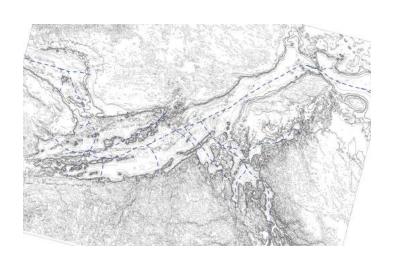




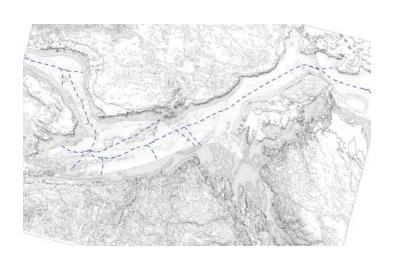
The Northwest Passage Sea Ice Consolidation

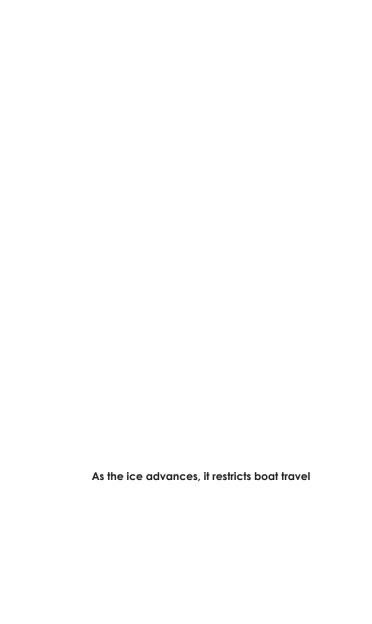
The behavior of the sea ice in the Coronation Gulf, which cuts through the site territory, grows from the land in the late fall to form a nearly solid over-water ground plane in the winter. In the spring, the gradually begins to melt, break-up, and retract back to land to leave a navigable water body for a few weeks in the late summer. The break-up and consolidation periods make travel in the water or over the ice a treacherous endeavor, in need of navigational guidance.

The sequence of drawings ahead diagram the freeze-up of the ice in the Coronation Gulf in 2012 and speculate on the progression of boat travel to snowmobile routes above the frozen sea.



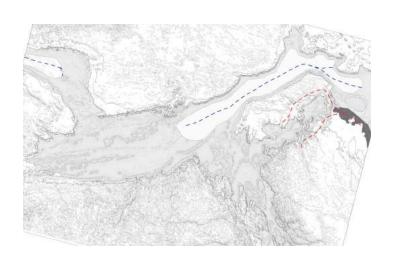






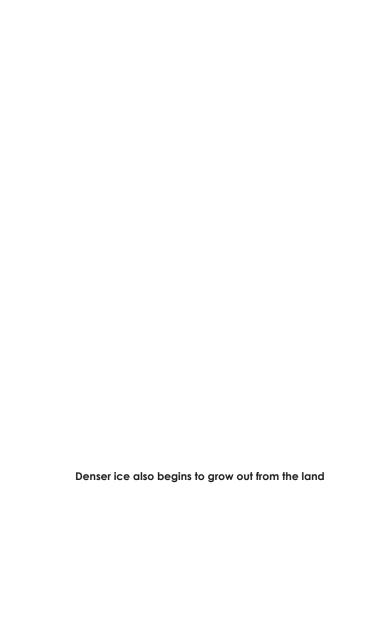


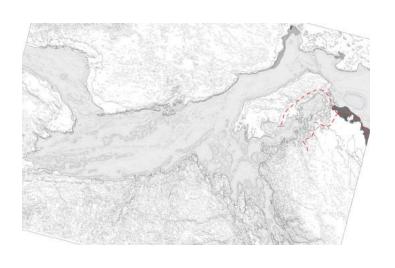


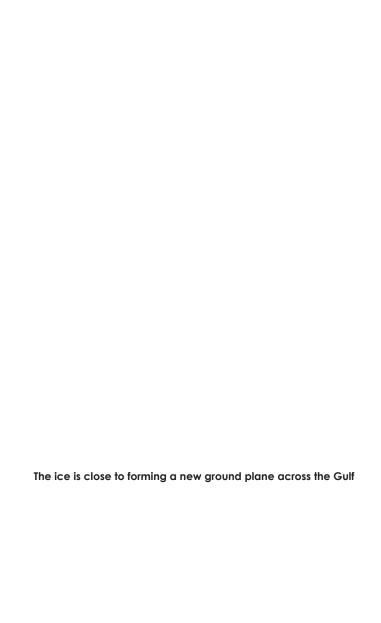




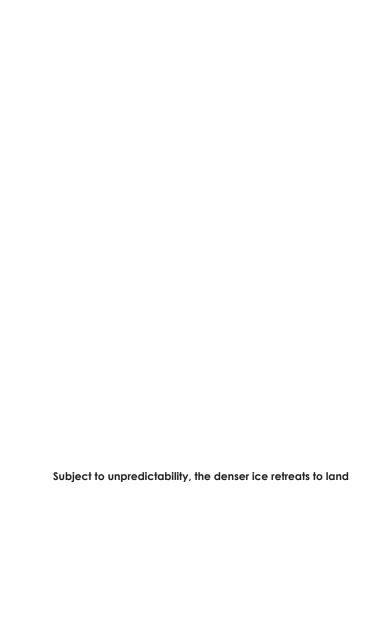


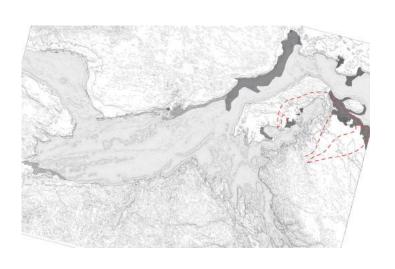








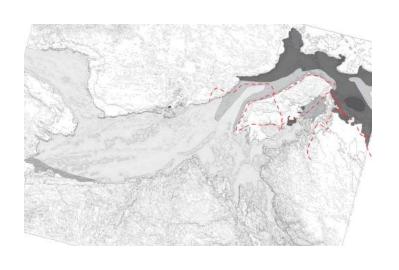




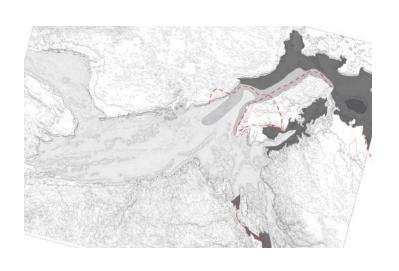




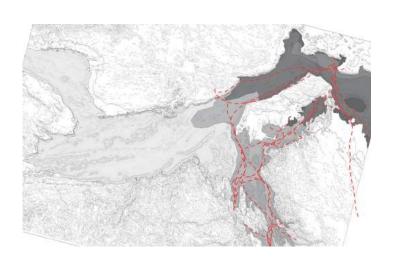


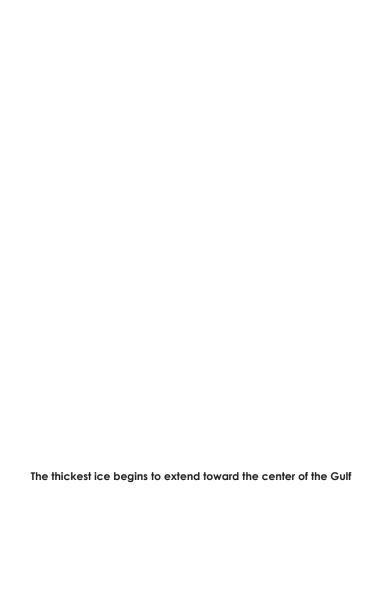


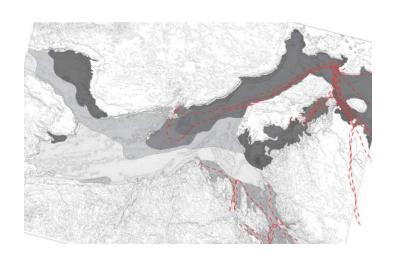


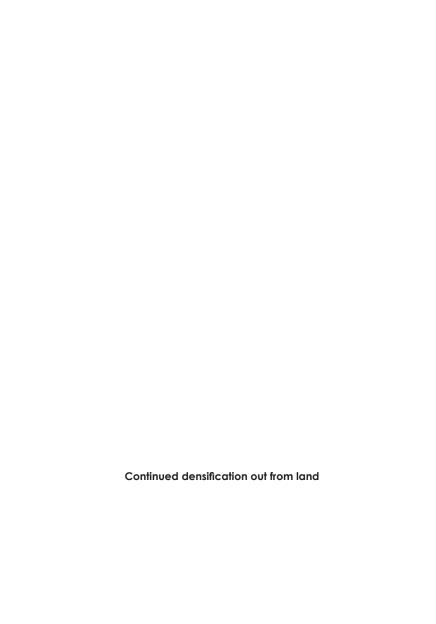


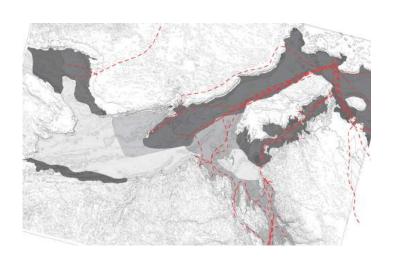




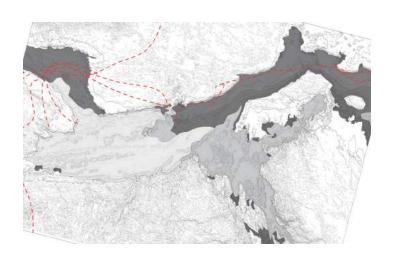




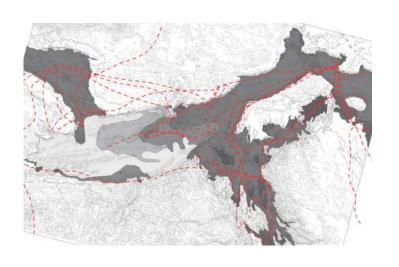


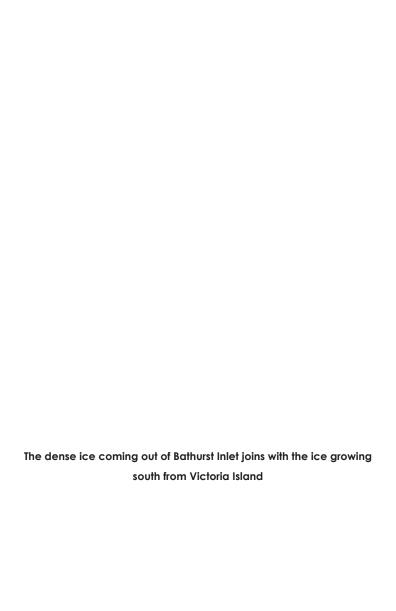


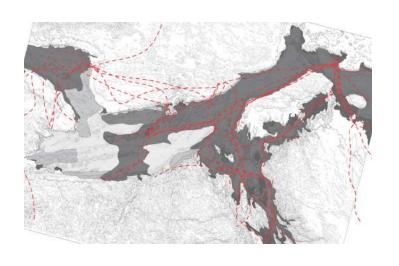




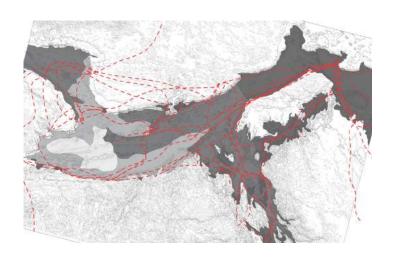


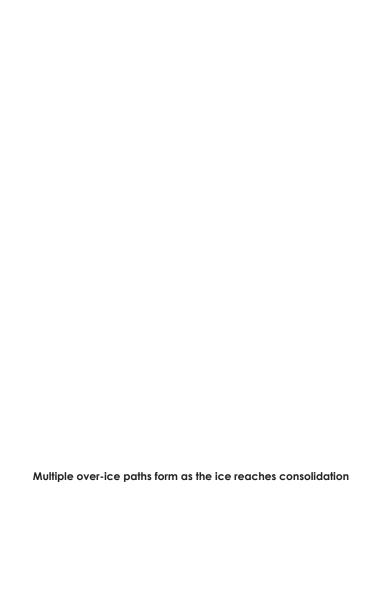


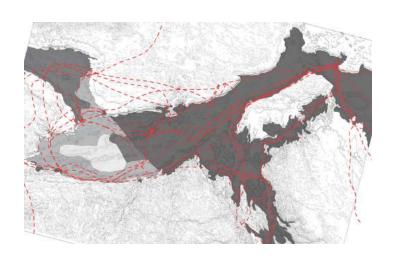




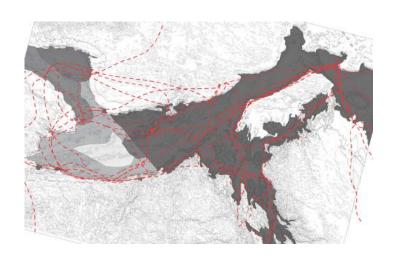






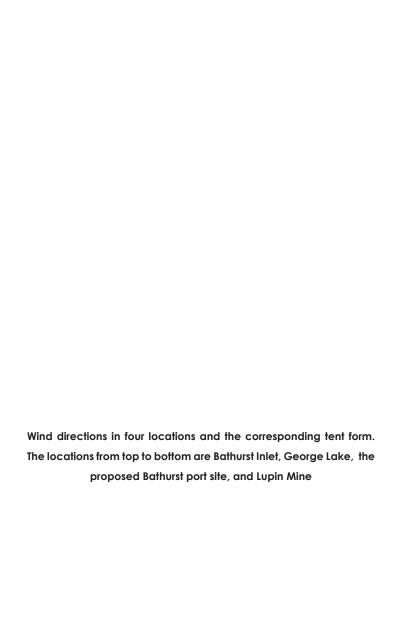


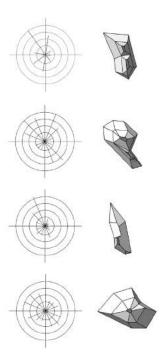


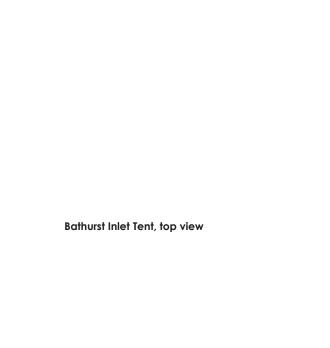


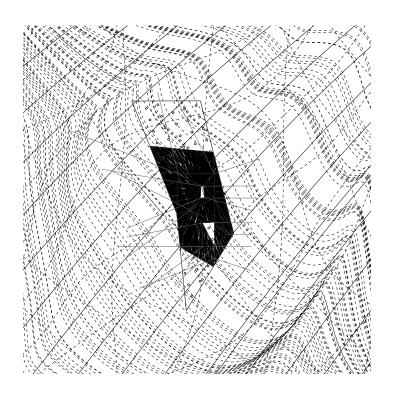


In an early attempt to synthesize ideas of an overlapping inhabitation structures and seasonally shifting settlement patterns, a series of tents, or Windhouses, were proposed. The tents would be constructed in forms related to traditional Inuit summer houses, where the sloped tent walls respond to prevalent wind conditions wherever they are sited. Floating platforms resting on thermopiles support the tents and define their footprint. Constructed out of aluminum poles and tied-down, the walls would be assembled out of stitching together animal furs salvaged from local towns. Chimney's suck the smoke from fires and seal oil lamps to the outside.

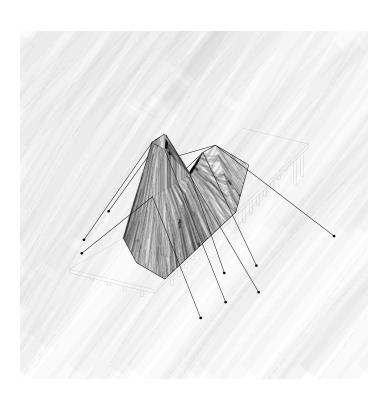




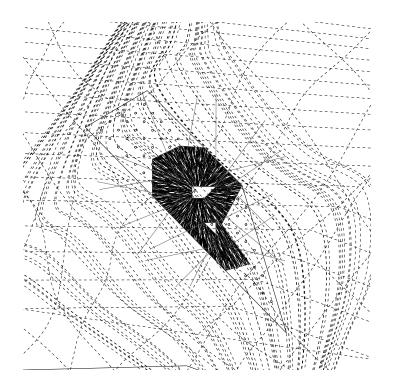




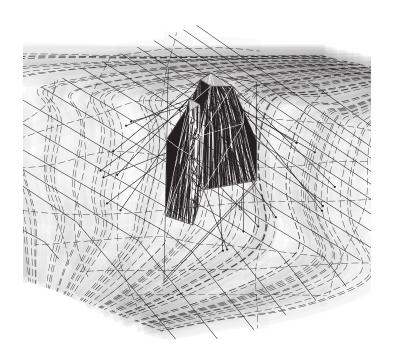




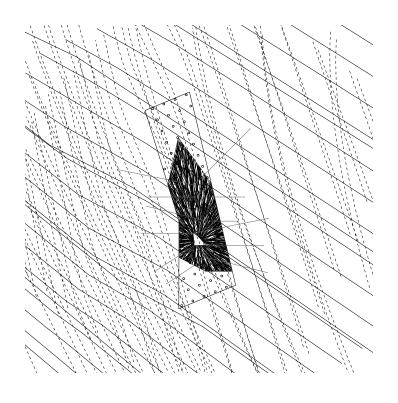
George Lake Tent, top view



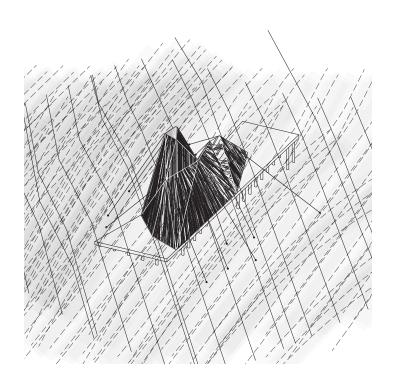
George Lake Tent, perspective



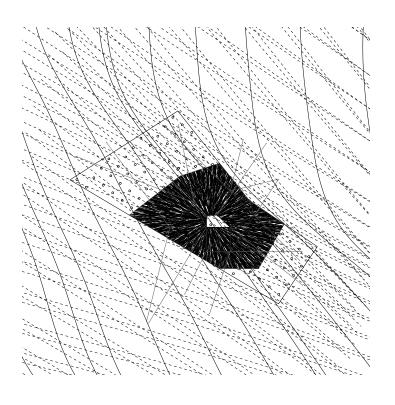
Bathurst Port, top view



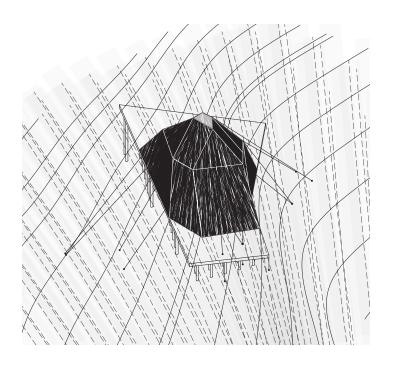




Lupin Mine, top view



Lupin Mine, perspective



## **Afterword**

