



Pre-Permitting Environmental / Socio-Economic Data Report Series

Report Series J- Marine Nearshore Fish and Benthic Invertebrates

Report J-11 Herring Distribution and Survey Figures 2004-2007

Submitted to the Alaska Department of Natural Resources August 2009

Preliminary data. Do not cite or quote.

The Pebble Partnership is providing environmental and socio-economic baseline data collected to inform the development of the Pebble Project to state and federal agencies, project stakeholders and the general public prior to project permitting as part of its commitment to full and open disclosure.

A comprehensive Environmental Baseline Document (EBD) will subsequently be prepared and appended to future project permit applications. The EBD will also be made publicly available when complete.

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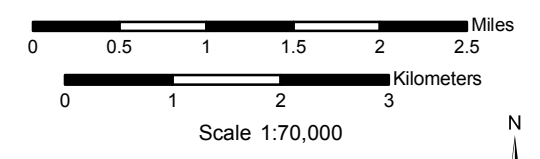
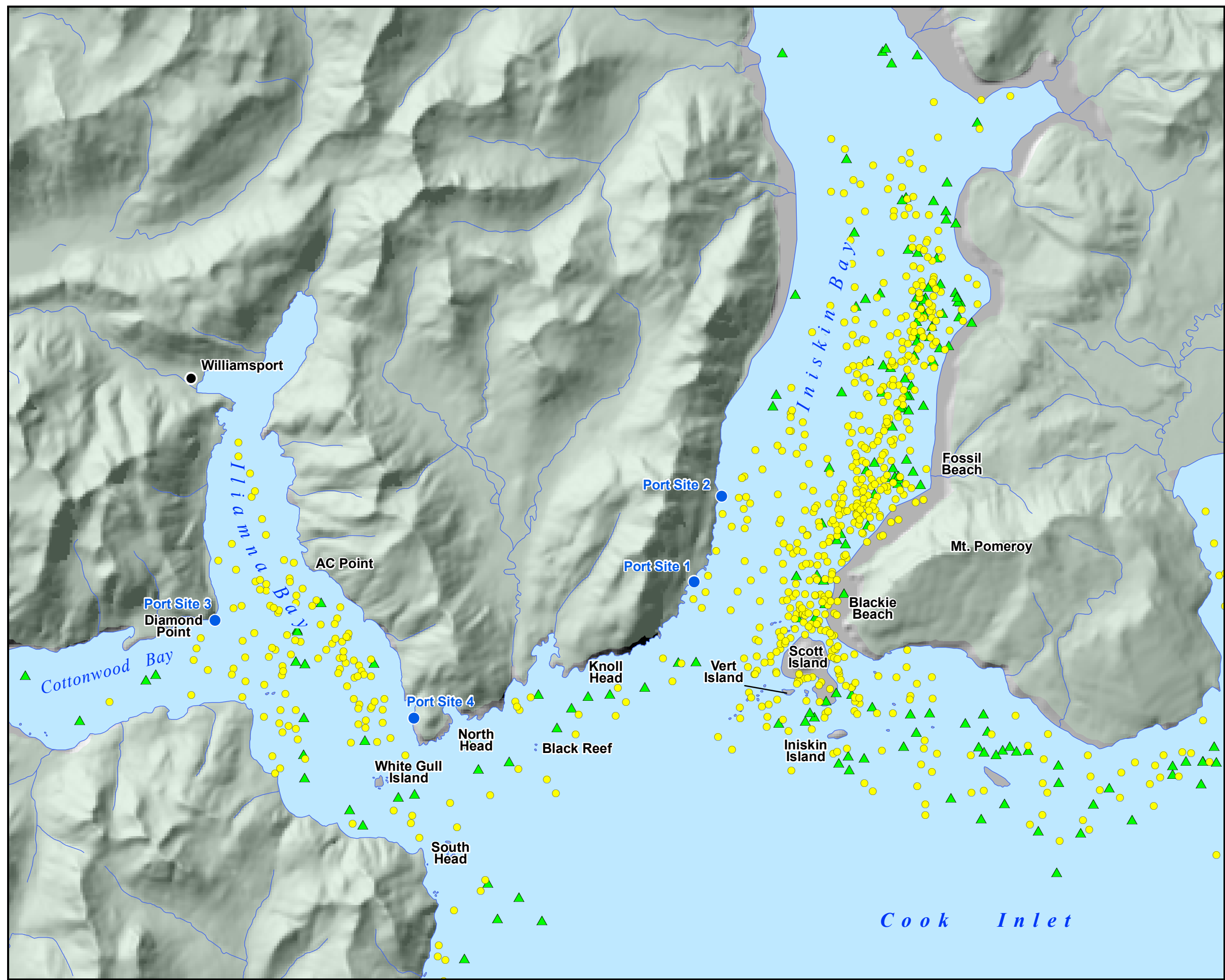
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Figure J-4
Adult Herring Distribution in
Iniskin/Iliamna Bays
1978 - 2002
DRAFT
Preliminary Data Only
Do Not Cite or Quote

Legend

- Adult Herring Distribution 1990-2002
- ▲ Adult Herring Distribution 1978-1989
- Potential Port Site

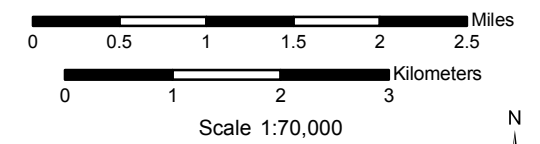


Alaska State Plane Zone 5 (units feet)
 1983 North American Datum

Figure J-5
Herring Spawn Distribution in
Iniskin/Iliamna Bays
1978-1989
DRAFT
Preliminary Data Only
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Legend



- Herring Spawn Distribution 1978-1989
- Potential Port Site

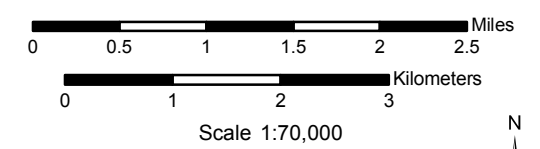


Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Figure J-6
Herring Spawn Distribution in
Iniskin/Iliamna Bays
1990 - 2002
DRAFT
Preliminary Data Only
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Legend


-  Herring Spawn Distribution 1990-2002
-  Potential Port Site

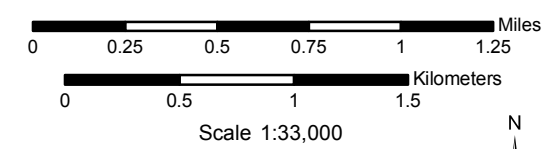
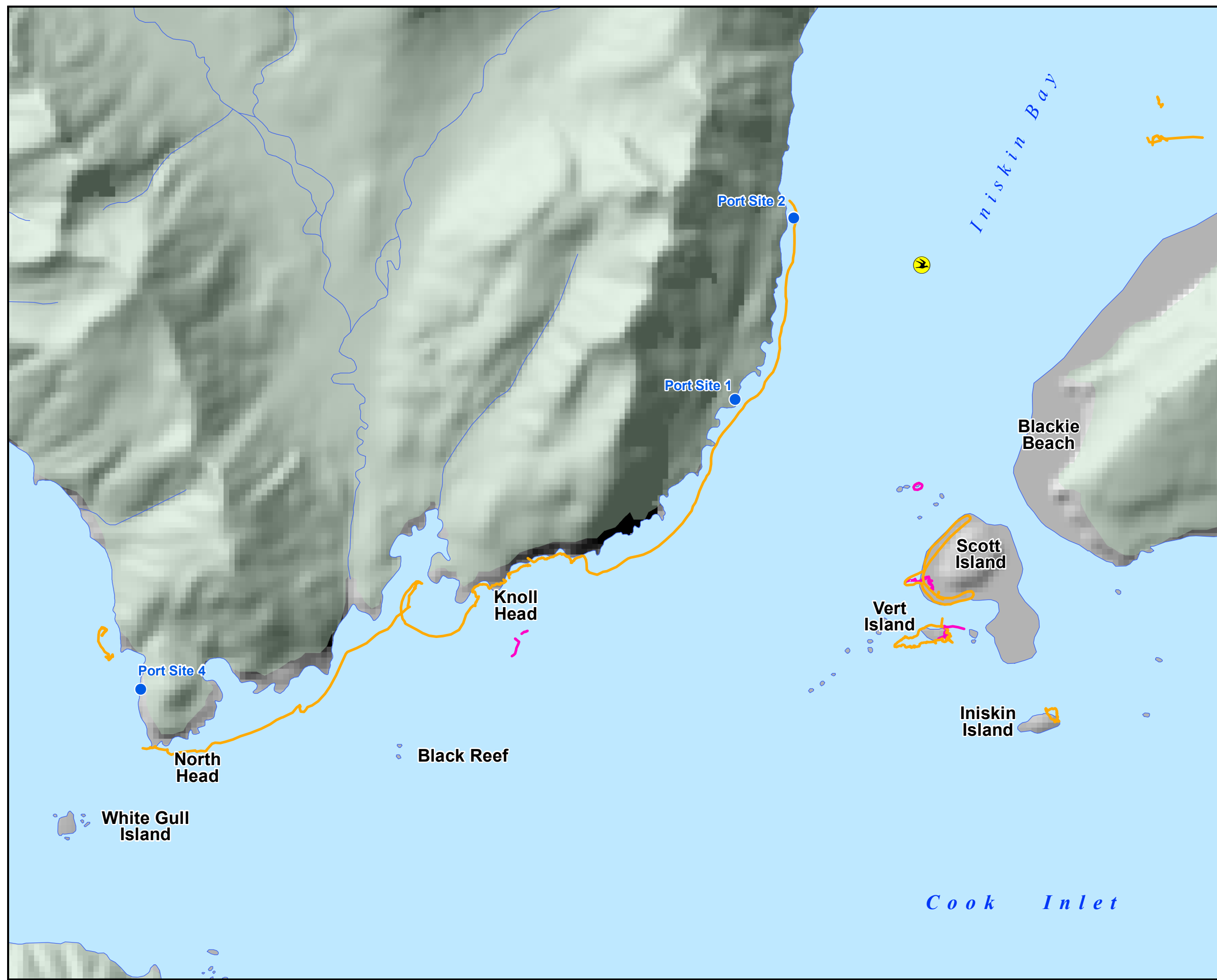


Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Figure J-7
Herring Surveys, 2006
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Legend

- Herring Survey Tracks
- April '06
 - May '06
 -  Observed Seagull Feeding, May '06
 - Potential Port Site



Alaska State Plane Zone 5 (units feet)
1983 North American Datum