

ANTARCTIC PENINSULA

- 15% surveyed
- <10% to modern standards</p>



MULTIBEAM COVERAGE	NORTH	SOUTH
(ENDURANCE DATA ONLY)	PENINSULA	PENINSULA
MAIN CORRIDORS	45%	10%
BRANCH CORRIDORS	40%	5%
(Discounting Rothera with 85%)		

MAIN SHIPPING ROUTES



Main Corridors



Branch Corridors





CRUISE SHIPS OPERATING IN ANTARCTICA









NEW BREED OF CRUISE SHIP

Golden Princess - Star Princess

- 109 000 tonnes
- 2600 passengers
- 10 metre draft
- zero ice capability
- 65 degrees south!



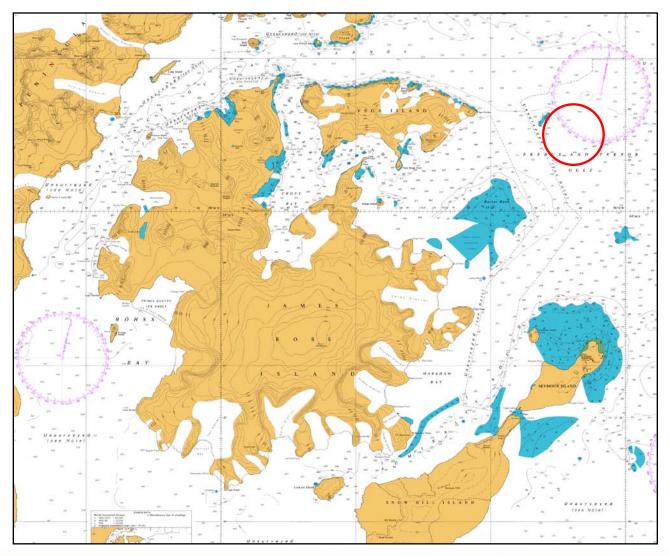




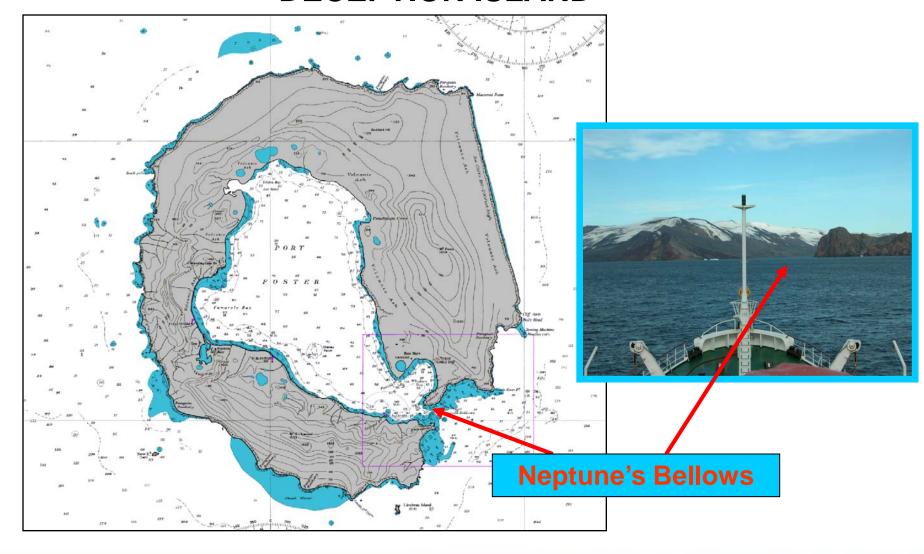




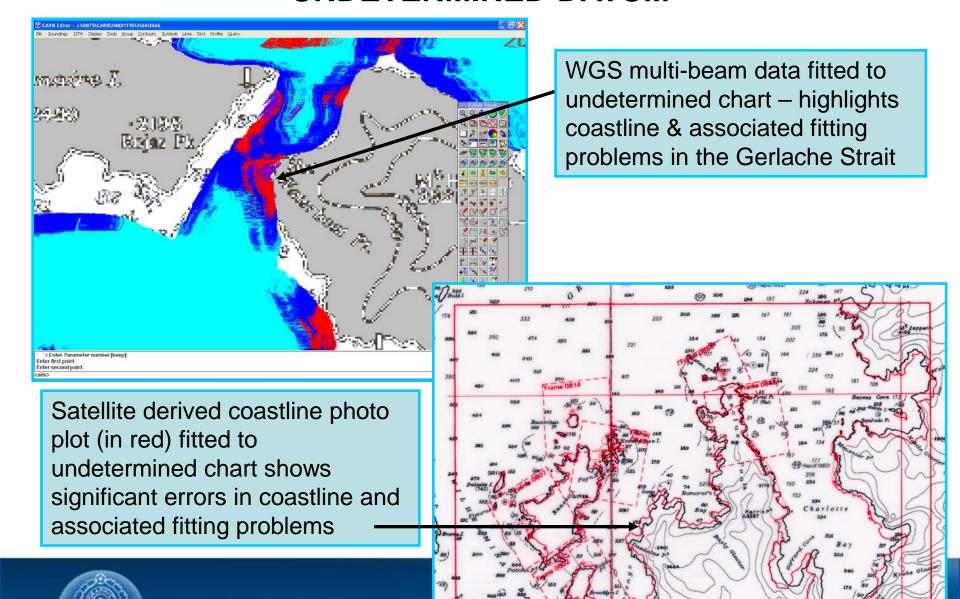
JAMES ROSS ISLAND



DECEPTION ISLAND



UNDETERMINED DATUM



THE UNITED KINGDOM
HYDROGRAPHIC OFFICE

827* ANTARCTICA — Graham Land — Marguerite Bay — Pourquoi Pas Island Southwards — Rock; Depth

113 300

Insert ⊕ (charts 4024 and 4063, +)

Delete

depth 20fm enclosed by 20fm contour, Repd

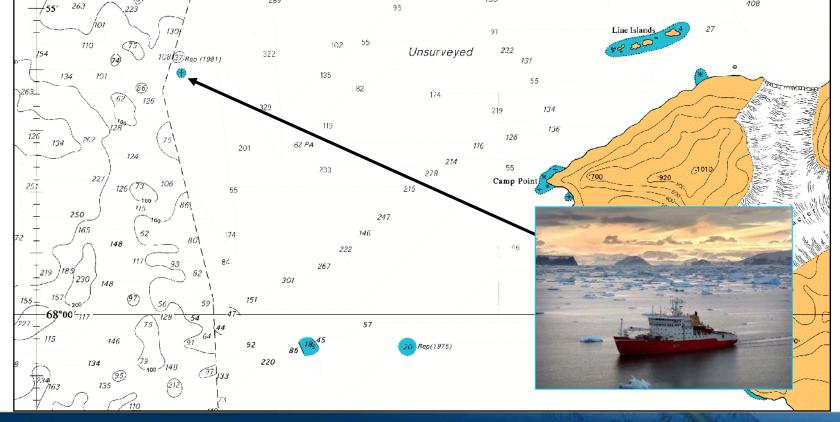
depth 37m enclosed by O

(a) 67° 56′·03S., 67° 33′·71W.

(b) close NW. of (a) above

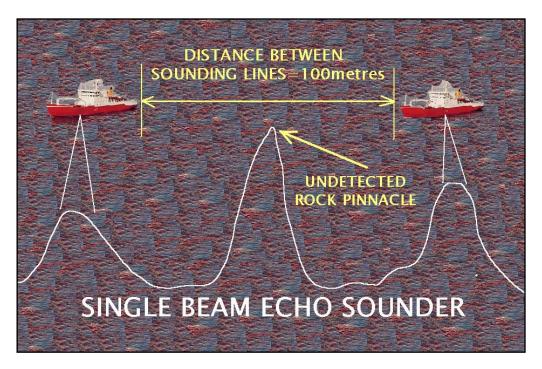
(c) close W. of (a) above

Chart [Last correction].— 3580 (a) [2317/00] — 3570 (a,b) [2571/02] — 3571 (a,b) [2317/00] — 4907 (INT 907) (a,c) [New Chart 21/12/00] — 4024 (INT 24) (a) [3196/99] — 4063 (a) [2612/00] HMS Endurance (HH.697/440/02).

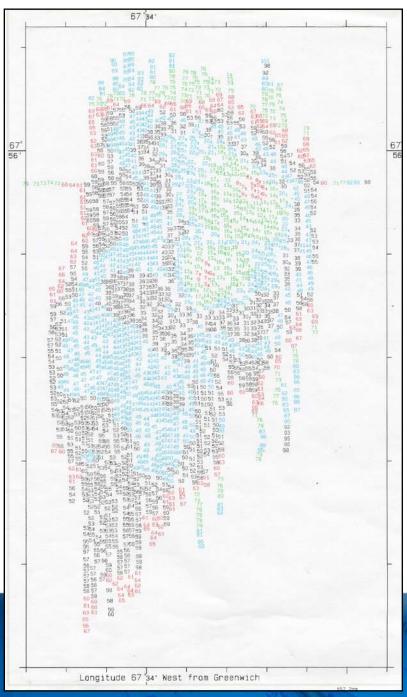


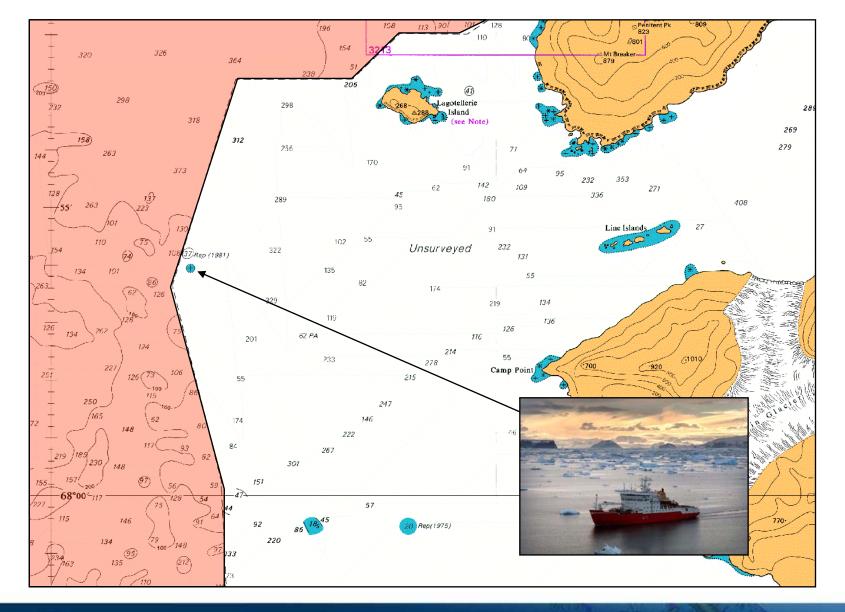


BATHYMETRIC SHEET - PINNACLES

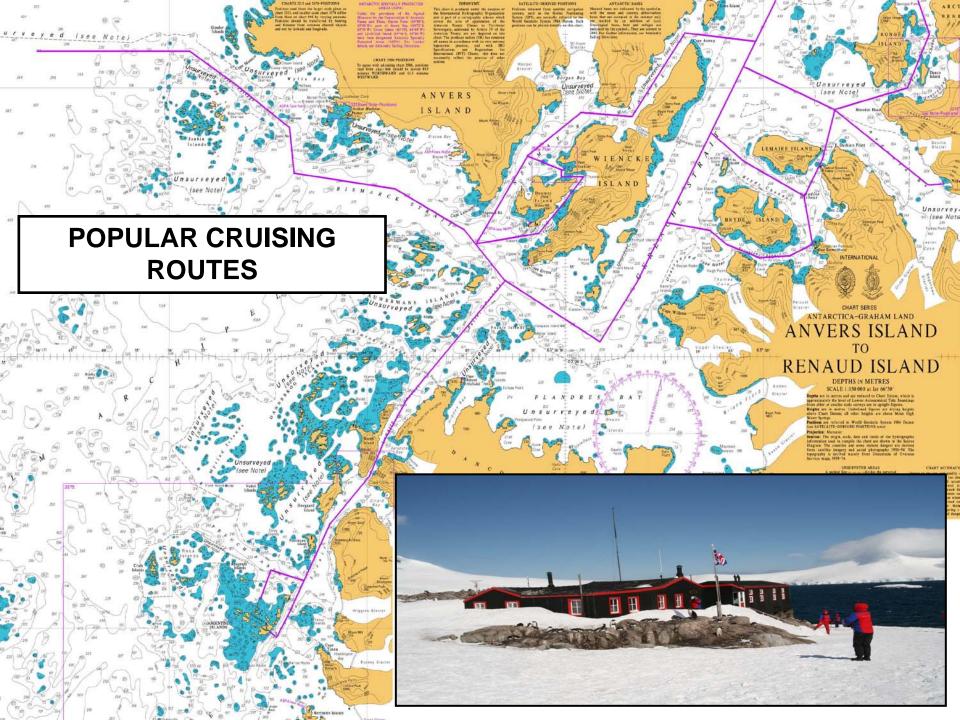


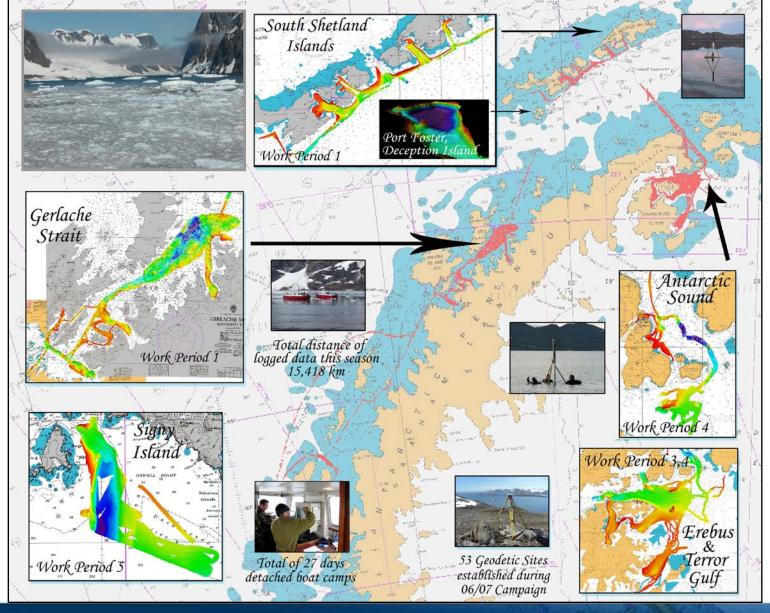




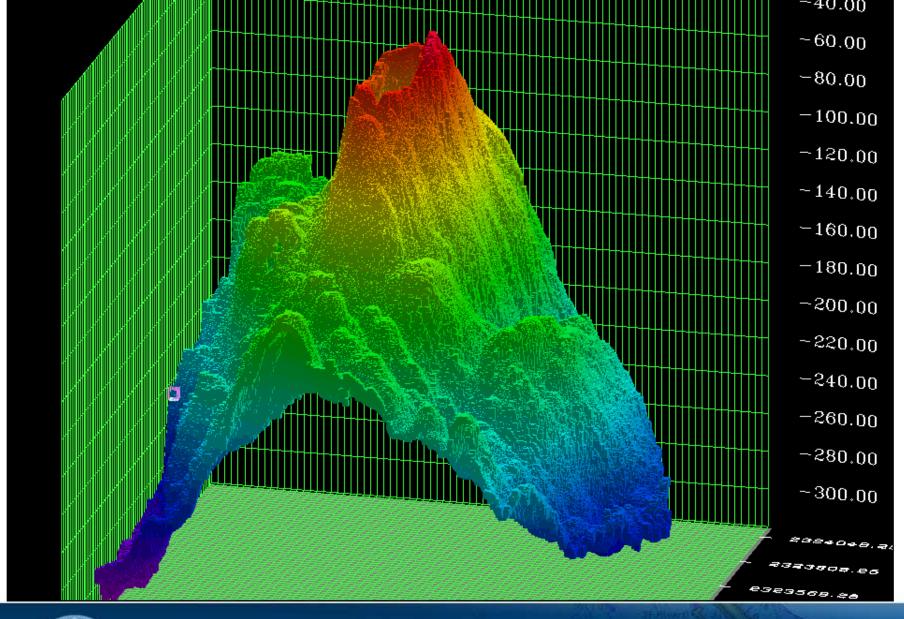




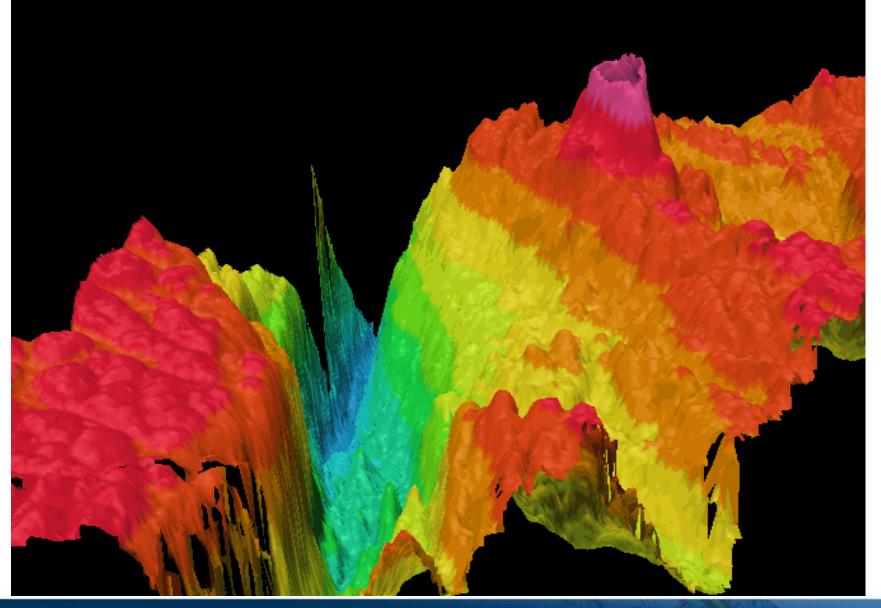




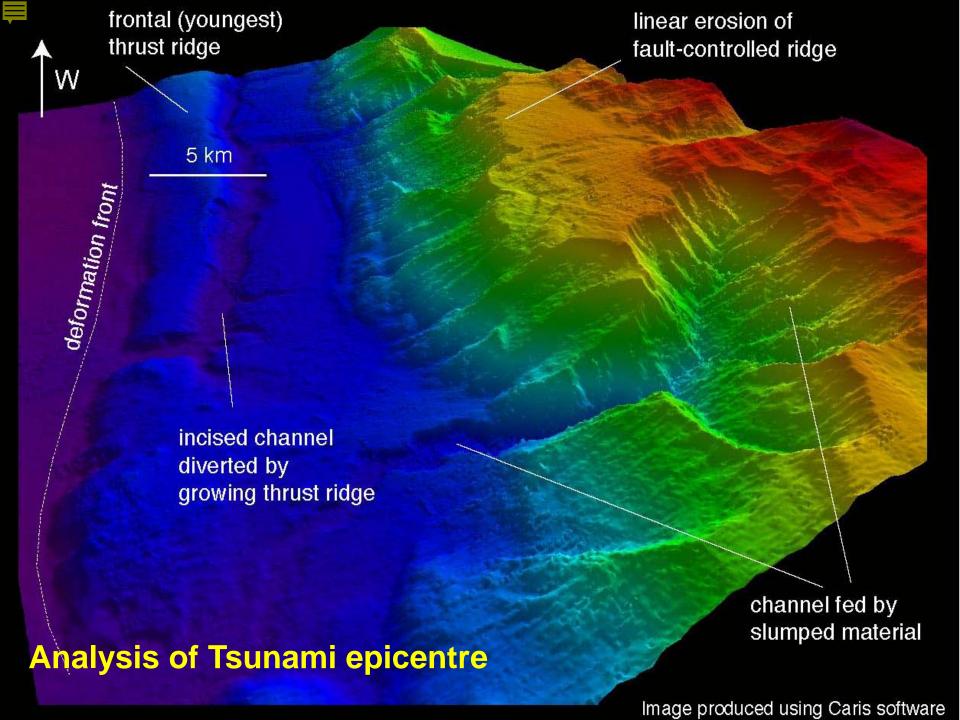


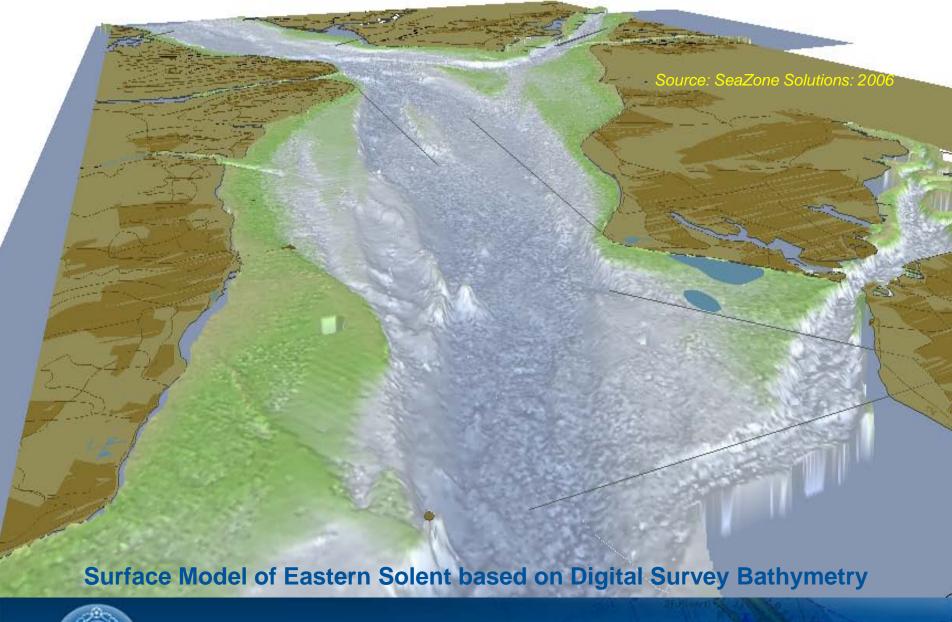




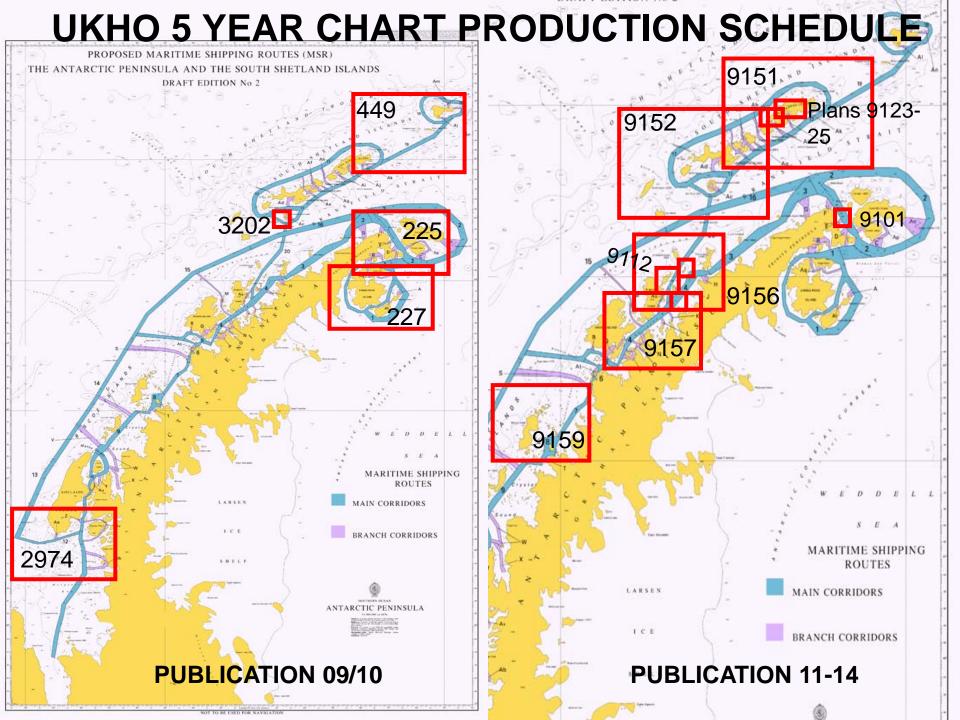






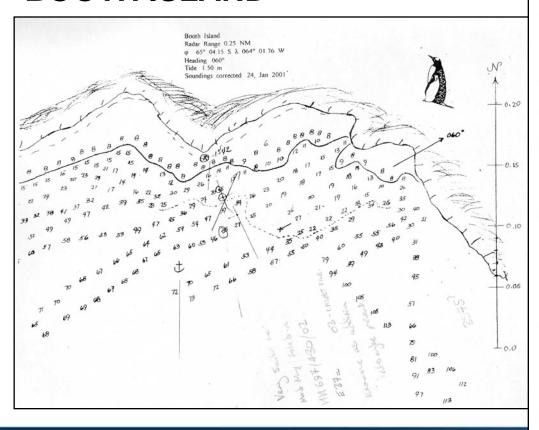


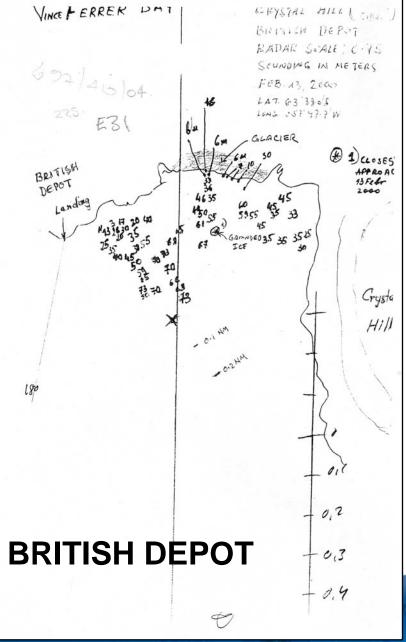




MUD MAPS

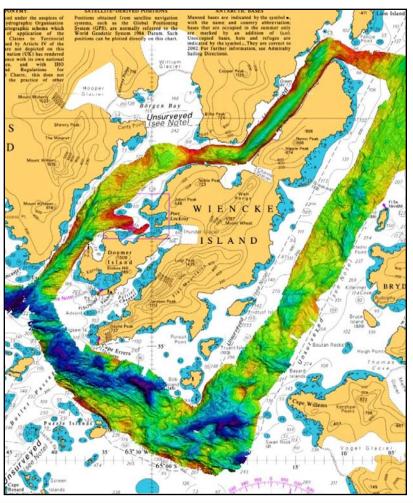
BOOTH ISLAND

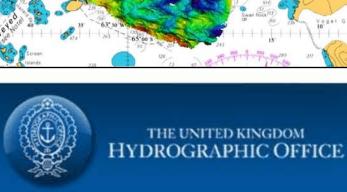


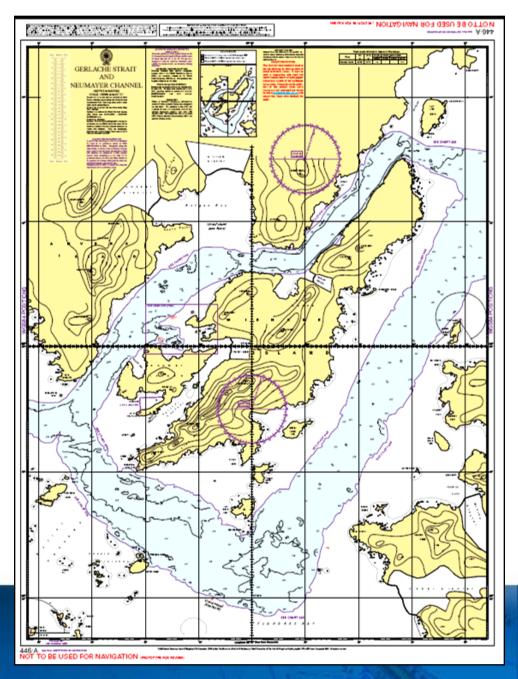




SWATH CHART







ISSUES FOR COMNAP TO CONSIDER

FIRSTLY – Persuade authorities of need for improved surveying

SECONDLY – Improved COMNAP/HCA coordination

THIRDLY – Data / Embarking team / Rendering data from ships or standard proforma to IHB



