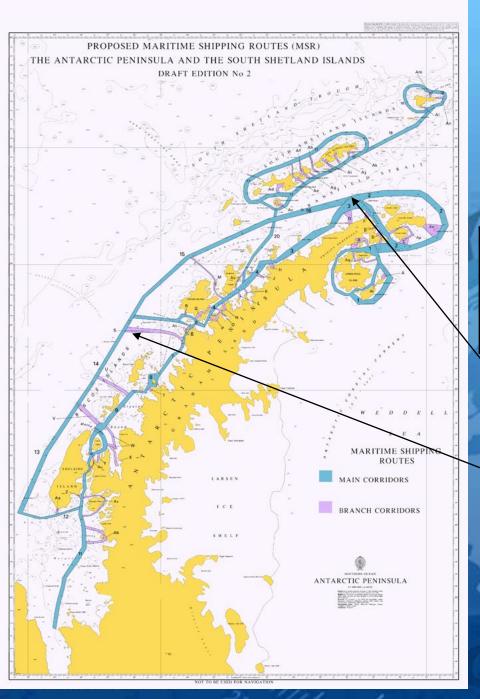
ATCM KIEV - JUNE 2008 HYDROGRAPHY IN ANTARCTICA Rear Admiral Ian Moncrieff - The UK National Hydrographer



ANTARCTIC PENINSULA

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

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

Main Shipping Routes:

Main Corridors





CRUISE SHIPS OPERATING IN ANTARCTICA







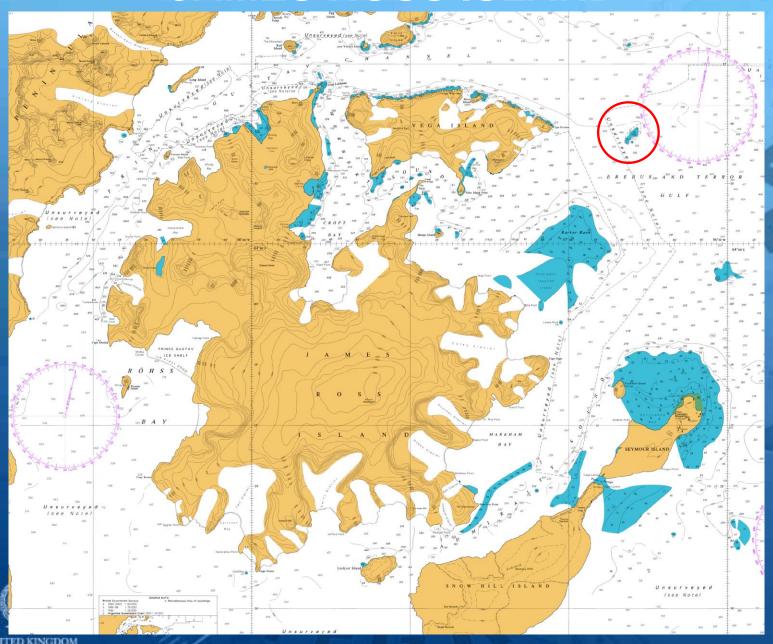


NEW BREED OF CRUISE SHIP Golden Princess - Star Princess

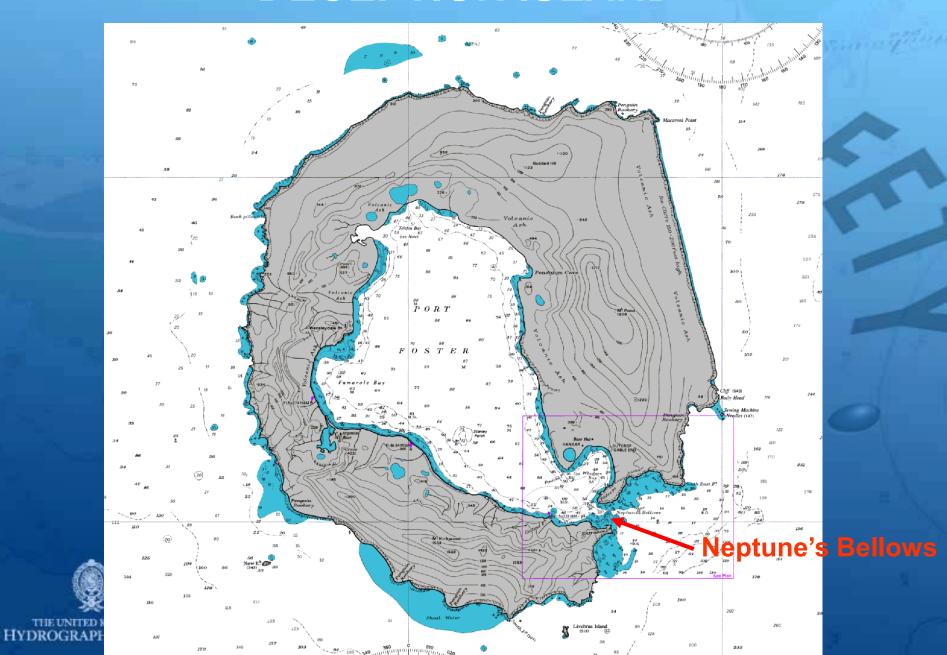
- 109 000 tonnes
- 3 000 passengers
- 10 metre draft
- zero ice capability
- 65 degrees south!



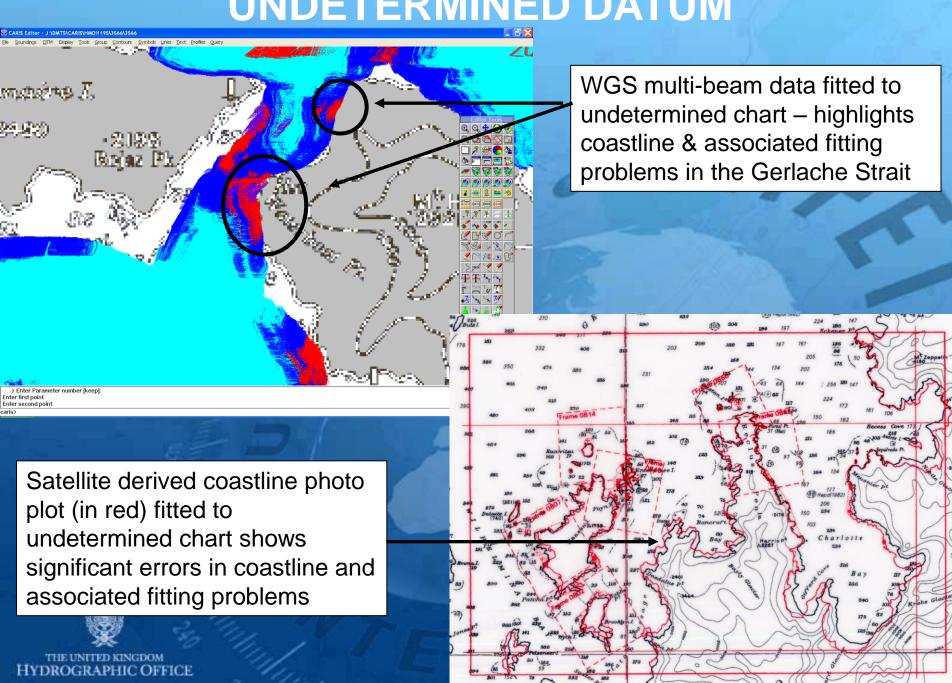
JAMES ROSS ISLAND



DECEPTION ISLAND



UNDETERMINED DATUM



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

Insert (charts 4024 and 4063, +) Delete

depth 20fm enclosed by 20fm contour, Repd

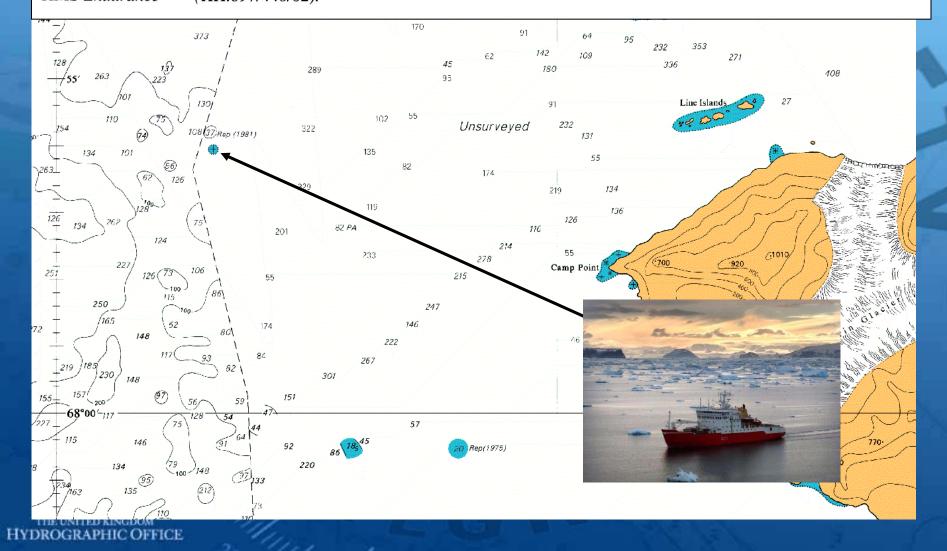
depth 37m enclosed by \bigcirc

67° 56′·03S., 67° 33′·71W. (a)

close NW. of (a) above (b)

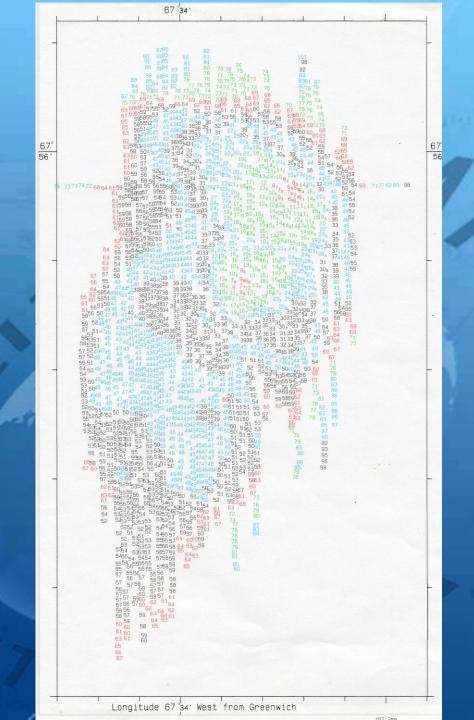
close W. of (a) above

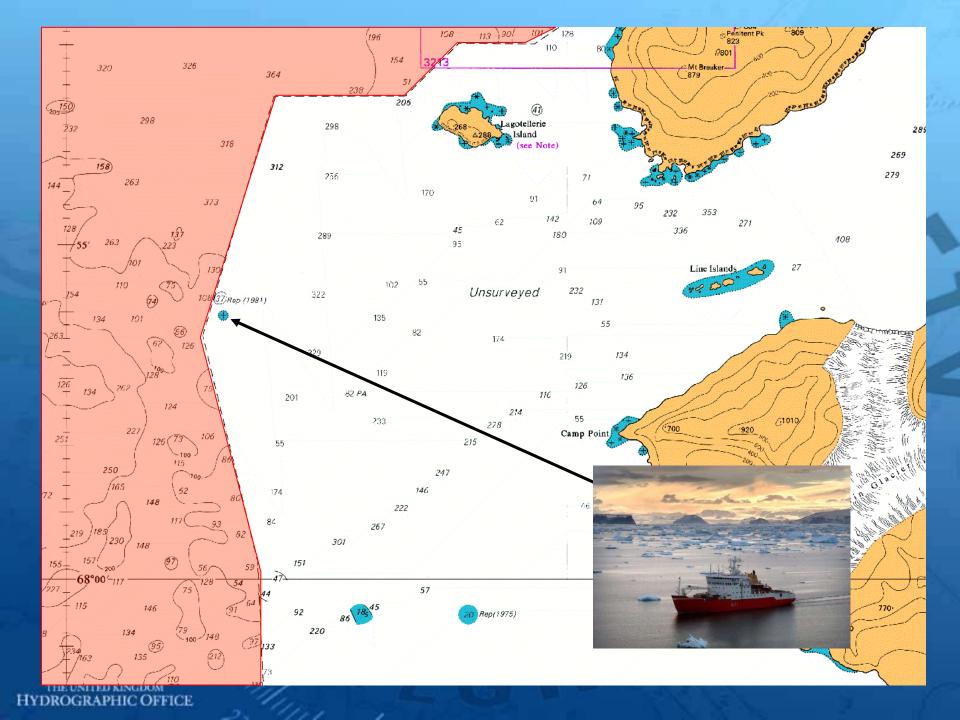
Chart [Last correction].— 3580 (a) [2317/00] — 3570 (a,b) [2571/02] — 3571 (a,b) [2317/00] — 4907 (INT 907) (a,c) [New Chart 21/12/00] — **4024** (INT 24) (a) [3196/99] — **4063** (a) [2612/00] **HMS** Endurance (HH.697/440/02).

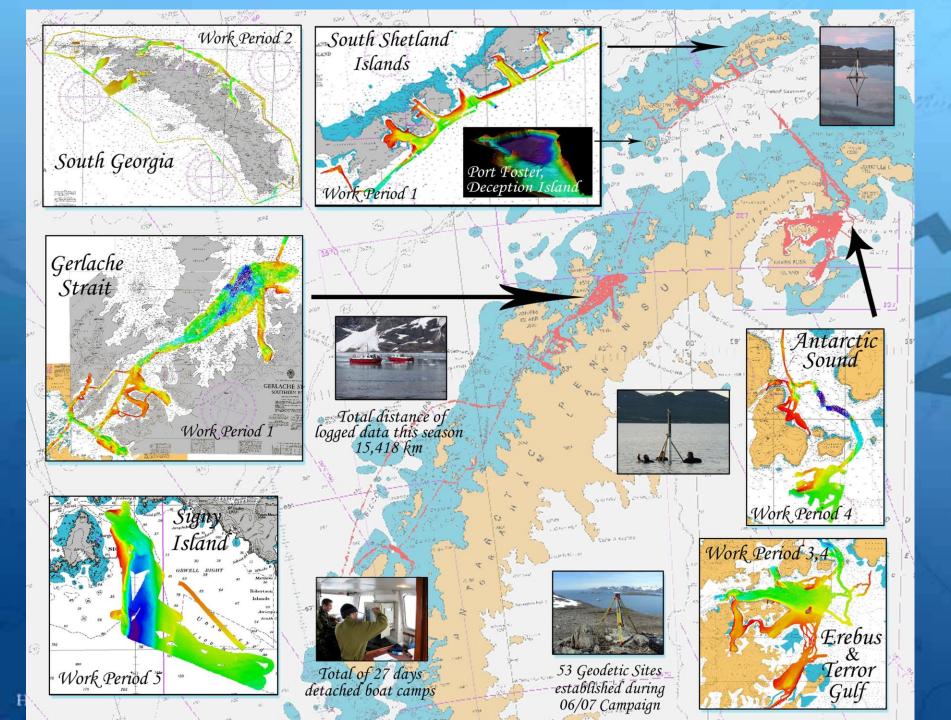


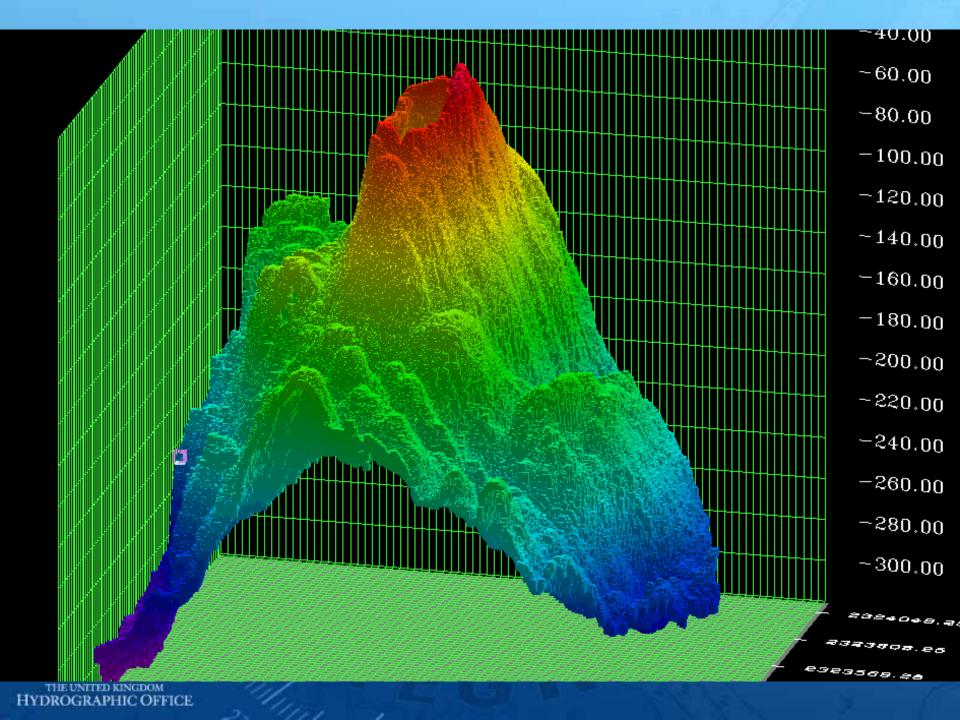
BATHYMETRIC SHEET - PINNACLES

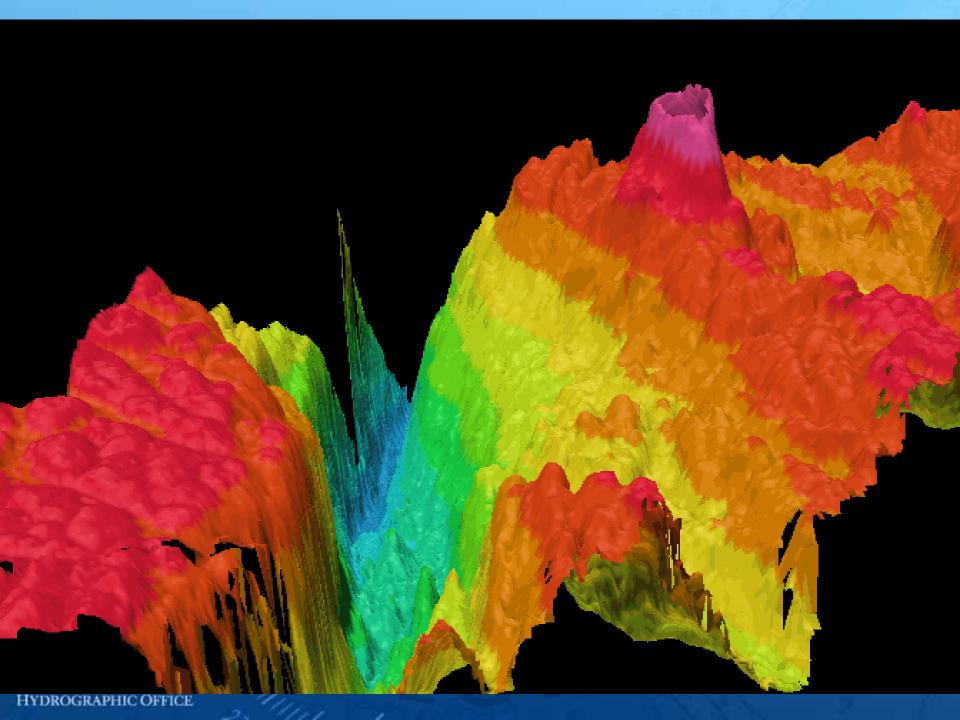
THE UNITED KINGDOM
HYDROGRAPHIC OFFICE

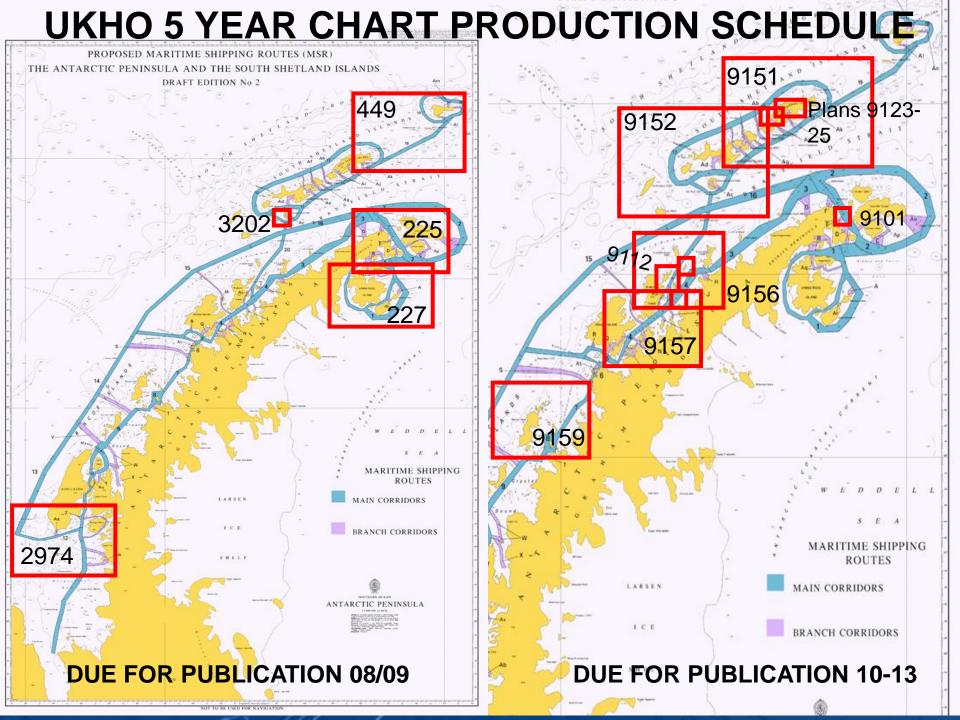






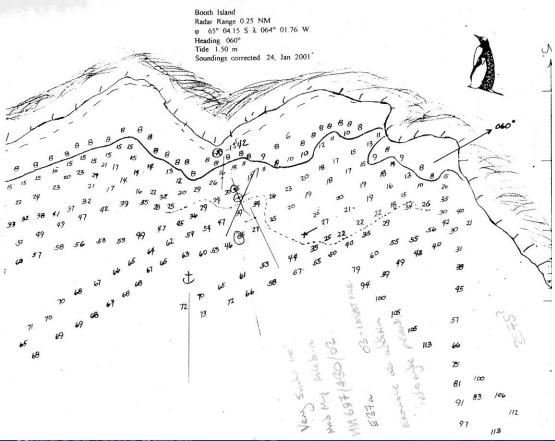


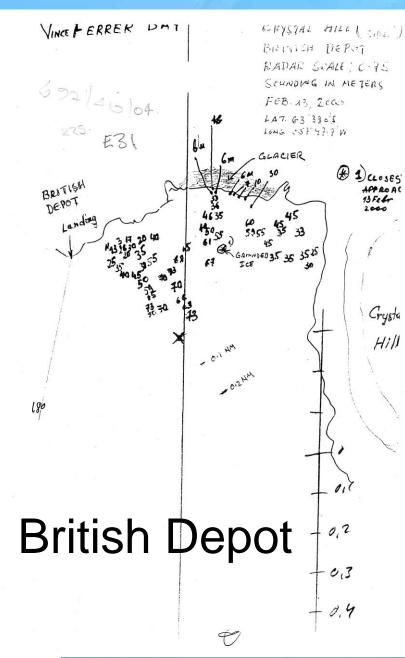




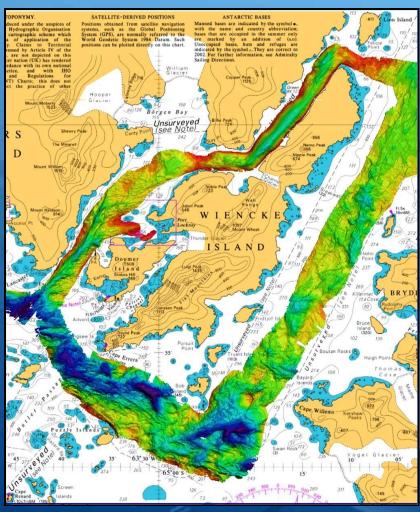
MUD MAPS

Booth Island

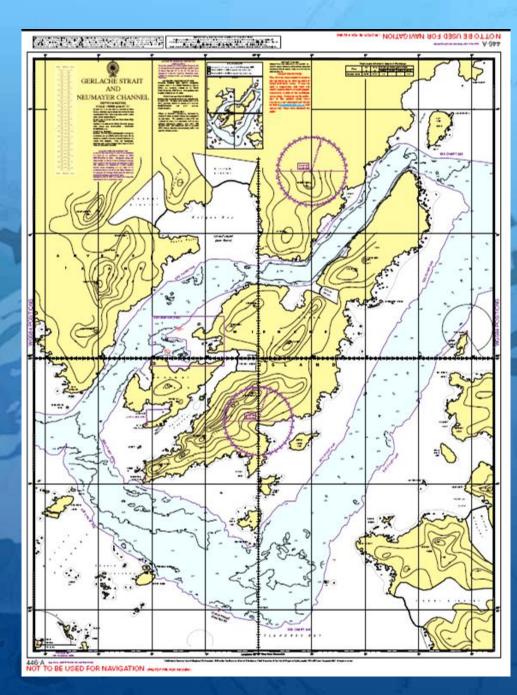




SWATH CHART







ISSUES FOR ATCM TO CONSIDER

Firstly – Persuade authorities of need for improved surveying

Secondly - Improved ATCM/HCA coordination

Thirdly - Data / Embarking team



