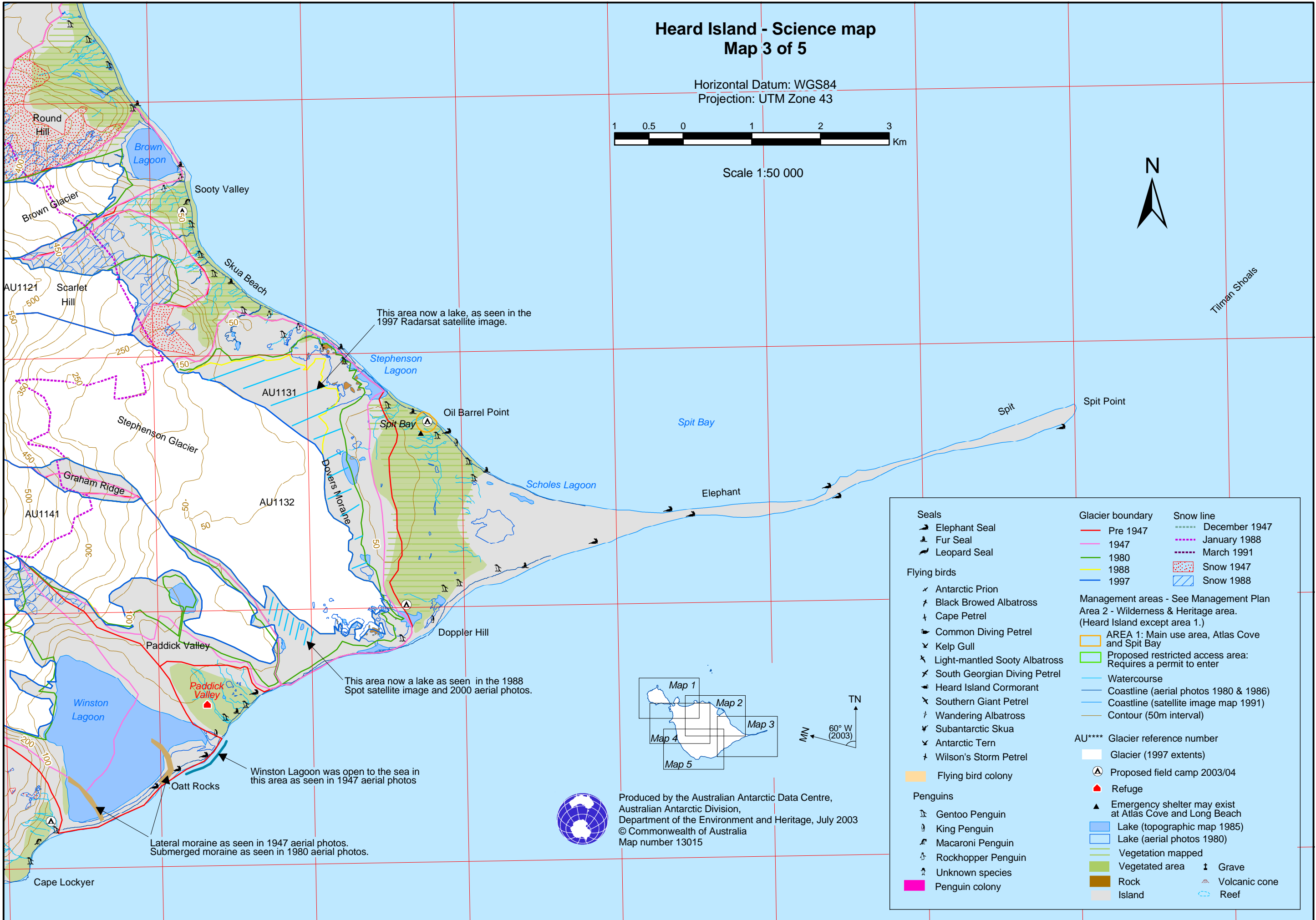


# Heard Island - Science map Map 3 of 5

Horizontal Datum: WGS84  
Projection: UTM Zone 43



Scale 1:50 000



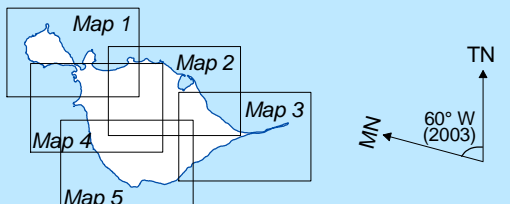
This area now a lake, as seen in the 1997 Radarsat satellite image.

This area now a lake as seen in the 1988 Spot satellite image and 2000 aerial photos.

Winston Lagoon was open to the sea in this area as seen in 1947 aerial photos

Lateral moraine as seen in 1947 aerial photos. Submerged moraine as seen in 1980 aerial photos.

<p><b>Seals</b></p> <ul style="list-style-type: none"> <li> Elephant Seal</li> <li> Fur Seal</li> <li> Leopard Seal</li> </ul> <p><b>Flying birds</b></p> <ul style="list-style-type: none"> <li> Antarctic Prion</li> <li> Black Browed Albatross</li> <li> Cape Petrel</li> <li> Common Diving Petrel</li> <li> Kelp Gull</li> <li> Light-mantled Sooty Albatross</li> <li> South Georgian Diving Petrel</li> <li> Heard Island Cormorant</li> <li> Southern Giant Petrel</li> <li> Wandering Albatross</li> <li> Subantarctic Skua</li> <li> Antarctic Tern</li> <li> Wilson's Storm Petrel</li> </ul> <p> Flying bird colony</p> <p><b>Penguins</b></p> <ul style="list-style-type: none"> <li> Gentoo Penguin</li> <li> King Penguin</li> <li> Macaroni Penguin</li> <li> Rockhopper Penguin</li> <li> Unknown species</li> <li> Penguin colony</li> </ul>	<p><b>Glacier boundary</b></p> <ul style="list-style-type: none"> <li> Pre 1947</li> <li> 1947</li> <li> 1980</li> <li> 1988</li> <li> 1997</li> </ul> <p><b>Snow line</b></p> <ul style="list-style-type: none"> <li> December 1947</li> <li> January 1988</li> <li> March 1991</li> <li> Snow 1947</li> <li> Snow 1988</li> </ul> <p><b>Management areas - See Management Plan Area 2 - Wilderness &amp; Heritage area. (Heard Island except area 1.)</b></p> <ul style="list-style-type: none"> <li> AREA 1: Main use area, Atlas Cove and Spit Bay</li> <li> Proposed restricted access area: Requires a permit to enter</li> <li> Watercourse</li> <li> Coastline (aerial photos 1980 &amp; 1986)</li> <li> Coastline (satellite image map 1991)</li> <li> Contour (50m interval)</li> </ul> <p><b>AU**** Glacier reference number</b></p> <ul style="list-style-type: none"> <li> Glacier (1997 extents)</li> <li> Proposed field camp 2003/04</li> <li> Refuge</li> <li> Emergency shelter may exist at Atlas Cove and Long Beach</li> <li> Lake (topographic map 1985)</li> <li> Lake (aerial photos 1980)</li> <li> Vegetation mapped</li> <li> Vegetated area</li> <li> Rock</li> <li> Island</li> <li> Grave</li> <li> Volcanic cone</li> <li> Reef</li> </ul>
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Australian Antarctic Division,  
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