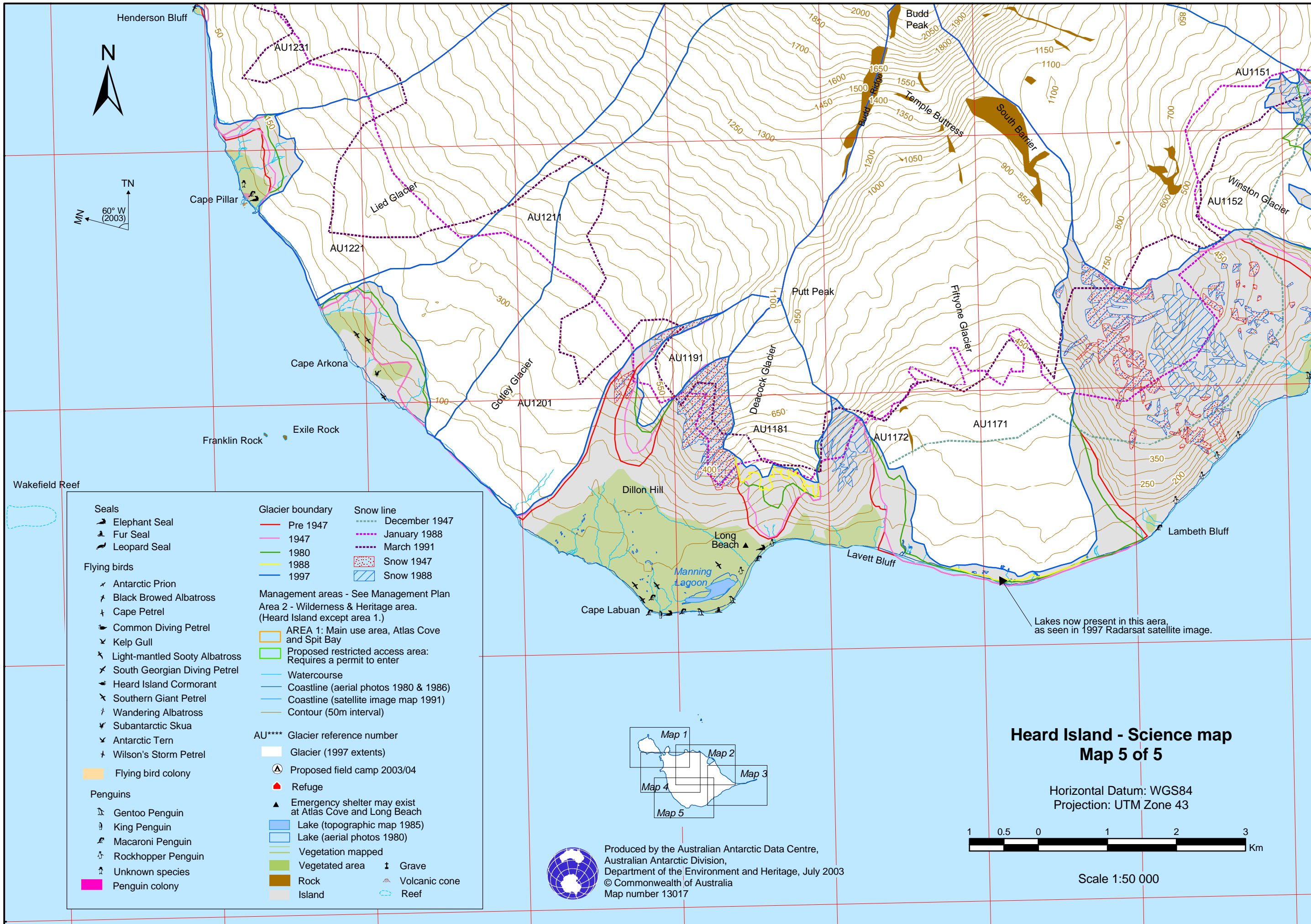
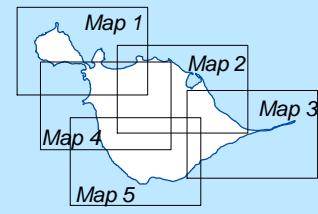


73°22'0"E 73°24'0"E 73°26'0"E 73°28'0"E 73°30'0"E 73°32'0"E 73°34'0"E 73°36'0"E 73°38'0"E



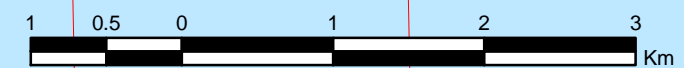
<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>🐘 Elephant Seal</li> <li>🦊 Fur Seal</li> <li>🐆 Leopard Seal</li> </ul> <p><b>Flying birds</b></p> <ul style="list-style-type: none"> <li>✂ Antarctic Prion</li> <li>✂ Black Browed Albatross</li> <li>✂ Cape Petrel</li> <li>✂ Common Diving Petrel</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><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>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> </ul> <p>— Watercourse</p> <p>— Coastline (aerial photos 1980 &amp; 1986)</p> <p>— Coastline (satellite image map 1991)</p> <p>— Contour (50m interval)</p> <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> </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> </ul> <p>🟩 Snow 1947</p> <p>🟩 Snow 1988</p> <p>📍 Grave</p> <p>🌋 Volcanic cone</p> <p>🌊 Reef</p>
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Lakes now present in this area, as seen in 1997 Radarsat satellite image.



### Heard Island - Science map Map 5 of 5

Horizontal Datum: WGS84  
Projection: UTM Zone 43



Scale 1:50 000



Produced by the Australian Antarctic Data Centre,  
Australian Antarctic Division,  
Department of the Environment and Heritage, July 2003  
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Map number 13017

53°8'0"S

53°10'0"S

53°12'0"S

53°14'0"S

53°8'0"S

53°10'0"S

53°12'0"S

53°14'0"S

73°22'0"E 73°24'0"E 73°26'0"E 73°28'0"E 73°30'0"E 73°32'0"E 73°34'0"E 73°36'0"E 73°38'0"E