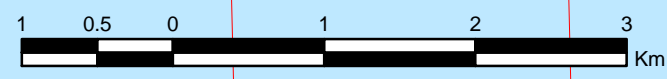
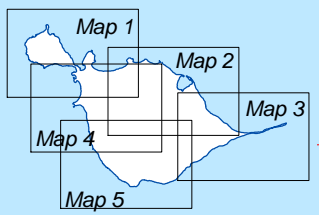


# Heard Island - Science map Map 4 of 5

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 13016

<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>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</b> Area 2 - Wilderness &amp; Heritage area. (Heard Island except area 1.)</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><b>Watercourse</b></p> <ul style="list-style-type: none"> <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> </ul> <p><b>Grave</b></p> <ul style="list-style-type: none"> <li>⚰ Grave</li> <li>⚰ Volcanic cone</li> <li>⚰ Reef</li> </ul>
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73°18'0"E 73°20'0"E 73°22'0"E 73°24'0"E 73°26'0"E 73°28'0"E 73°30'0"E 73°32'0"E

53°20'S 53°40'S 53°60'S 53°80'S

53°20'S 53°40'S 53°60'S 53°80'S