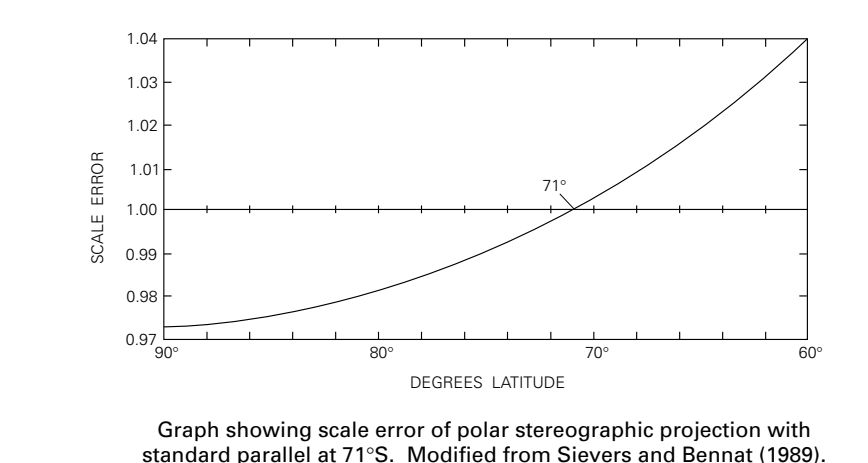
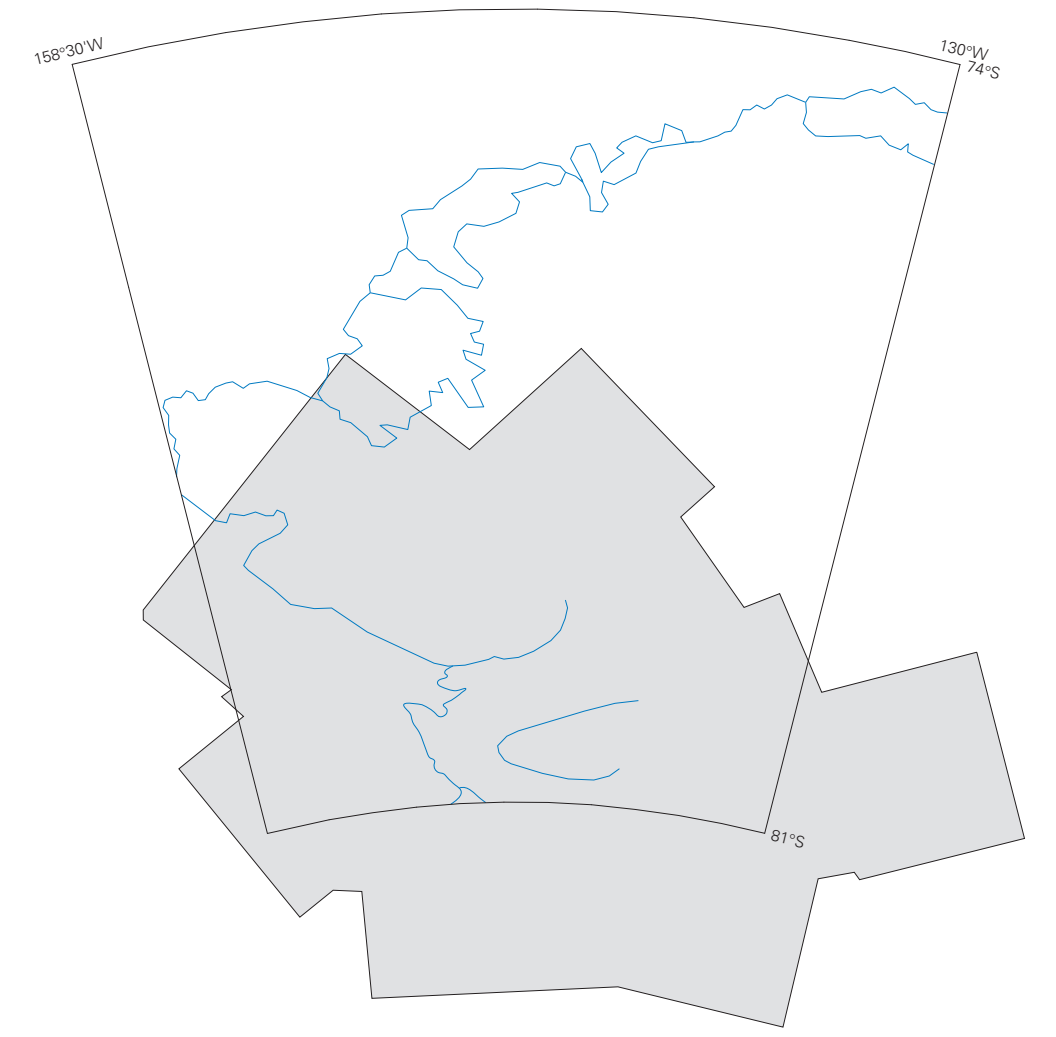


Index map of the planned 24 coastal-change and glaciological maps of Antarctica at 1:1,000,000 scale. Saunders Coast area map is shaded.

- EXPLANATION**
- Ice front—RADARSAT imagery; image acquisition dates: 9 September–20 October 1997
  - Ice front—Middle 1980s to early 1990s imagery; date of observation shown
  - Ice front—Early 1970s imagery; date of observation shown
  - Iceberg tongue—RADARSAT imagery; image acquisition dates: 9 September–20 October 1997
  - Iceberg tongue—Middle 1980s to early 1990s imagery; date of observation shown
  - Iceberg tongue—Early 1970s imagery; date of observation shown
  - Thin ice shelf front—1990 imagery; date of observation shown
  - Thin ice shelf front—1970s imagery; date of observation shown
  - Ice wall—Date of observation shown
  - Grounding line—Date of observation shown
  - Ice ramp—Within a grounding line and foil ice wall
  - Ice rise—Within a grounding line and foil ice wall
  - Flow line
  - Ridge line on ice
  - Ice stream flow-edge
  - Topographic contour, in meters—Modified from RAMP digital elevation model (Byrd Polar Research Center)
  - Unnamed outlet glacier or ice stream—Identified by World Glacier Monitoring Service geographic location code (4577) and by latitude and longitude. See table 2 in pamphlet for description.
  - Named outlet glacier or ice stream
  - Ice velocity vector—Number shows ice velocity in kilometers per year  $\text{km a}^{-1}$



Graph showing scale error of polar stereographic projection with standard parallel at 71°S. Modified from Sevens and Benoit (1989).

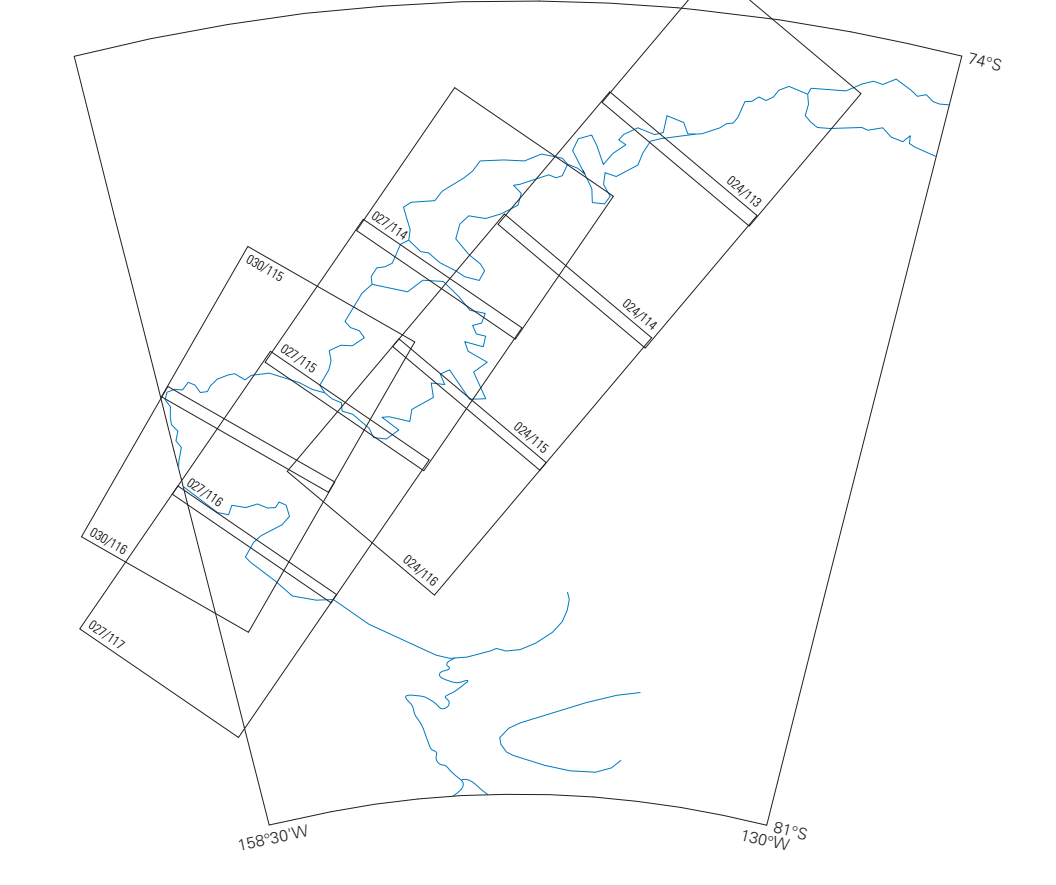


INDEX MAP TO LANDSAT TM IMAGE MOSAIC COVERAGE OF THE SHIRASE AND SIPLE COASTS (DECEMBER 1984 TO FEBRUARY 1990)



INDEX MAP TO LANDSAT 1 AND 2 MSS COVERAGE FROM EARLY 1970s

Path/Row	Image No.	Date
021014	1101-1020	22 Dec 72
021015	1172-10502	11 Jan 73
021016	1172-10504	14 Jan 73
021017	1175-10213	14 Jan 73
021018	1172-10216	14 Jan 73
021019	1175-10222	14 Jan 73
021020	1168-10204	20 Dec 72
021021	1168-10206	20 Dec 72
021022	1168-10204	17 Feb 76
021023	2201-10211	17 Feb 76
021024	1144-10010	14 Dec 72
021025	1144-10010	14 Dec 72
021026	1132-17214	13 Dec 73



INDEX MAP TO LANDSAT 4 AND 5 MSS AND LANDSAT 7 ETM+ COVERAGE FROM MID-1980s THROUGH 1999

Path/Row	Image No.	Date
020418	42100-16405	19 Dec 88
020419	42100-16401	19 Dec 88
020420	42100-16404	19 Dec 88
020421	42100-16472	04 Jan 89
020422	51015-16013	11 Dec 86
020423	51015-16015	11 Dec 86
020424	51015-16023	11 Dec 86
020425	51015-16024	11 Dec 86
020426	42174-17240	18 Feb 80
020427	L7100118, 1819991212	12 Dec 99

Maps used in compilation and analysis:  
U.S. Geological Survey Antarctica 1:250,000-scale Topographic Reconnaissance Series:  
Alexandra Mountains  
Byrd Glacier  
Cape Burks  
Dean Island  
Grant Island  
Guest Peninsula  
Gonzalez Nunataks  
Hull Glacier  
Mount Berlin  
Mount Kooztoko  
Mount McCoy  
U.S. Geological Survey 1:500,000-scale Antarctic Sketch Maps:  
Hobbs Coast-Marie Byrd Land  
Saunders Coast-Marie Byrd Land  
Other information sources:  
RADARSAT SAR-1 Image Map Mosaic of Antarctica (RADARSAT Antarctic Mapping Project (RAMP), Byrd Polar Research Center, The Ohio State University; see full reference citation in accompanying pamphlet).  
Antarctic digital database user's guide and reference manual (British Antarctic Survey and others, 1993; see full reference citation in accompanying pamphlet). This manual accompanies a CD-ROM. The Antarctic Digital Database (ADD) project provides a digital coastline and other cartographic information of Antarctica.  
Map projection parameters have been used in accordance with the recommendations of the Working Group on Geodesy and Geographic Information of the Scientific Committee on Antarctic Research (SCAR). The accuracy of topographic features in relation to the graticule and to the satellite observation stations is approximately 1 mm equals 1 km on the ground.  
Image base from RADARSAT Image Mosaic of Antarctica (125-meter pixel).

COASTAL-CHANGE AND GLACIOLOGICAL MAP OF THE SAUNDERS COAST AREA, ANTARCTICA: 1972-1997

By  
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