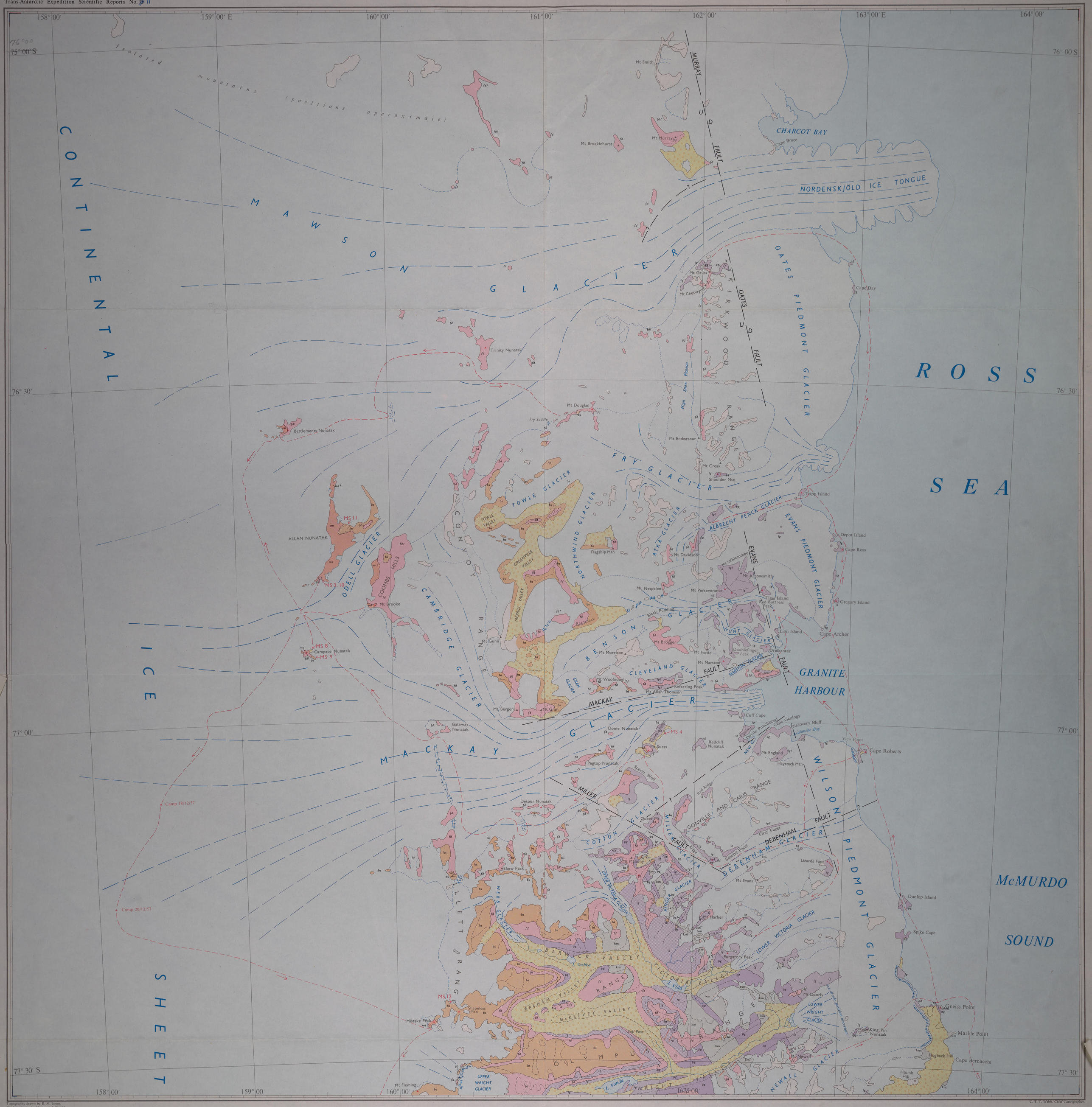
N.Z. Geological Survey Bull. 71 and

Trans-Antarctic Expedition Scientific Reports No. 11

GEOLOGY OF MAWSON-MULOCK AREA, VICTORIA LAND, ANTARCTICA

1st EDITION
SHEET 1



Topography drawn by E. M. Jones.
Geology drawn by Margaret J. Gould.

C. T. T. Webb, Chief Cartographer.

GEOLOGICAL REFERENCE

	Morainic deposits. Scree, stream deposits, dunes, etc.			QUATERNARY
mv	Olivine basalt, kenyte.	*McMURDO VOLCANICS		QUATERNARY ? AND UPPER TERTIARY
fd / fd	Dolerite sills, dikes. Basaltic lavas.	FERRAR DOLERITE		CRETACEOUS OR JURASSIC
mt	Tillite.	MAWSON TILLITE		CRETACEOUS OR JURASSIC
bs	Sandstone, siltstone, conglomerate, carbonaceous beds.	BEACON SANDSTONE		JURASSIC TO ? SILURIAN
	Lamprophyre dike swarms.			
df, lg, pg	Diorite, granodiorite, granite.	DELTA DIORITE GAUSS GRANODIORITE IRIZAR GRANITE *SKELTON GRANODIORITE	POST-TECTONIC	GRANITE HARBOUR INTRUSIVE COMPLEX — LOWER PALEOZOIC OR LATE PRECAMBRIAN
lg	Granodiorite.	LARSEN GRANODIORITE	SYNTECTONIC	
pg	Gneiss.		PRETECTONIC	
km	Marble, schist.	KOETTLITZ MARBLE	SKELTON GROUP	CAMBRIAN OR PRECAMBRIAN
al	Limestone, calcareous siltstone.	ANTHILL LIMESTONE		
tg	Greywacke, hornfels.	TEALL GREYWACKE		

Uncoloured areas – Geology not known

Scale 1:250,000 (Approx. 4 miles to 1 inch)

10 5 0 10 20 Nautical Miles
10 5 0 10 20 Miles
10 5 0 10 20 30 40 Kilometres

Drawn on Polar Stereographic Projection. Standard Latitude 71° S.

Topography plotted by Guyon Warren, chiefly from the surveys of F. R. Brooke, 1956–58 Trans-Antarctic Expedition, together with T.A.E. and U.S. Navy aerial photography.
Additional data from early maps and Victoria University of Wellington Antarctic Expeditions, 1957–59.

Geology by B. M. Gunn and Guyon Warren; additional information in the Wright-Victoria area from B. C. McKelvey and P. N. Webb (published papers and pers. comms.) and A. D. Allen and G. W. Gibson (pers. comm.).

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GEOLOGICAL SYMBOLS

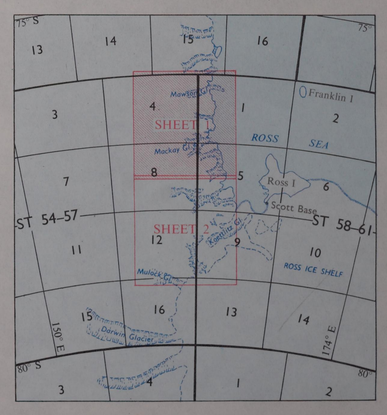
Contact
Fault
Fossil locality — MS 12

T.A.E. NORTHERN PARTY SURVEY

Sledge route of Northern Survey Party
Survey Stations occupied
Depot

R. W. Willett
Director

TOPOGRAPHICAL REFERENCE

Peak
Saddle
Ridge
Cliff
Ice Divide
Icefall
Crevasses
Glacier flow lines
Boundary within snow (foot of snow covered mountain) or within rock (floor or shoulder of dry valley)

LOCALITY DIAGRAM AND INDEX TO NZMS 166 SHEETS