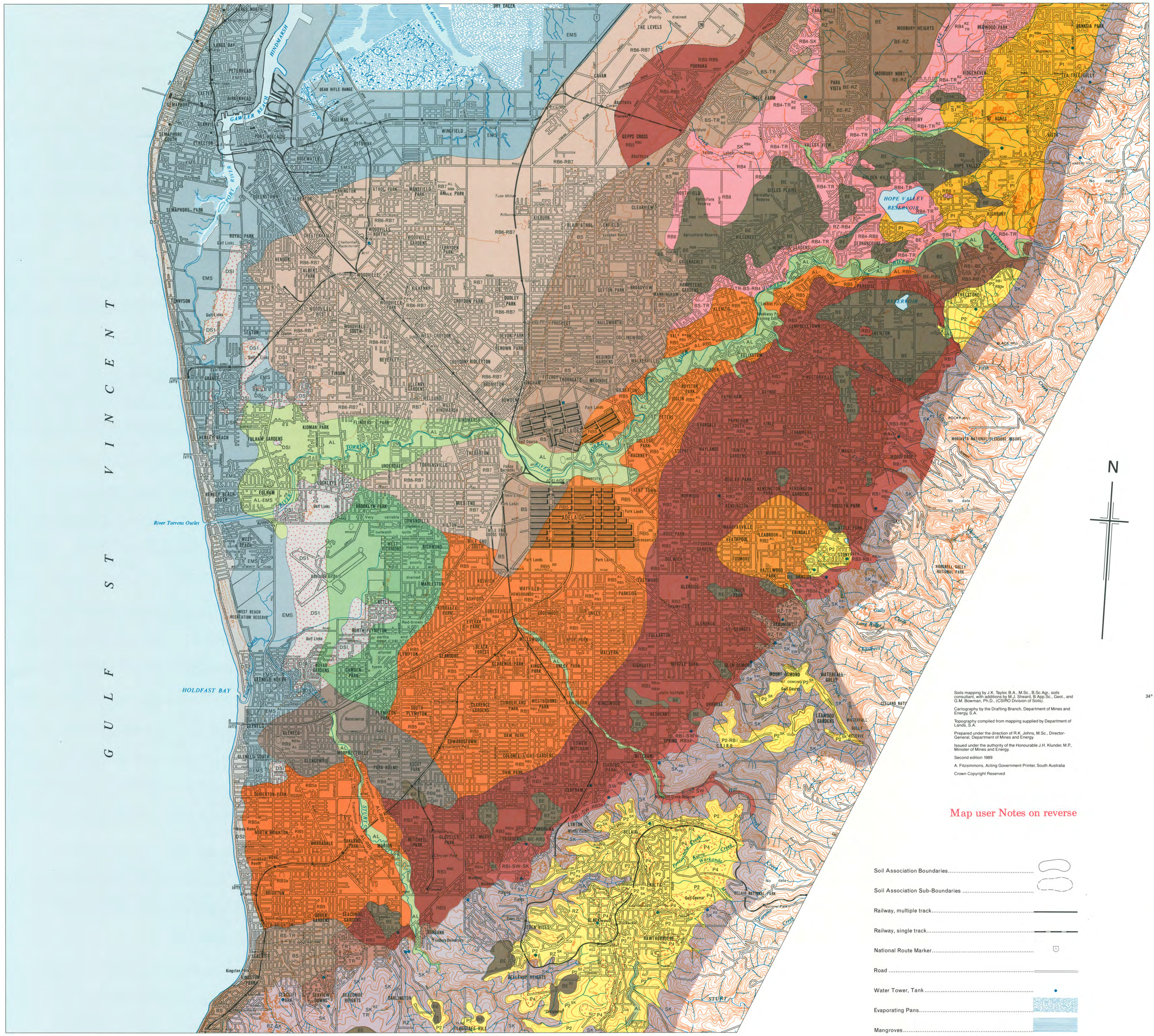
SOIL ASSOCIATION MAP OF THE ADELAIDE REGION

EDITION 2 – SADME



SCALE 1:50 000

METRES 1000 0 1 2 3 4 5 KILOMETRES

CHAINS 80 0 1 2 3 MILES

CONTOUR INTERVAL 25 FEET

DATUM MEAN SEA LEVEL

REFERENCE

SOIL ASSOCIATION	DOMINANT SOIL TYPE	MINOR SOIL TYPE
I	AL	SW, RB3a, RB9, EMS
II	RB5	RB3, RB9, RB5a, AL
III	RB3	RB5, RB3a, RB3b, AL, BE intergrade soils
IV	BS, TR	RZ, SK
V	RB4, RB8 ,TR	RZ, BE, SK
VI	RZ, BE Intergrades	TR
VII	BE	RB3, intergrade soils
VIII	RBI, RB3, BE	P2, SK
IX	PI, SI	RB4
X	SK	Various residual soils
XI	RBI, RB3a, SW	SK, BE, RZ, TR, AL
XII	RB2	AL, RB3a, RB3b
XIII	P2, S2	P3, P4, SK
XIV	RZ, TR	RBI, RB3a
XV	P4	P2
XVI	RB9	RB3, RB5, RB5a, BE, AL
XVII	DS2	
XVIII	DSI	
XIX	EMS	DSI, RB5a, RB9, AL and intergrade soils
XX	RB6, RB7	AL, EMS
XXI	Poorly drained grey soils with AL, RB9, RB5 associates	

INDEX OF SOIL TYPES

GROUP	SOIL TYPE	GENERAL DESCRIPTION
RED-BROWN EARTHS	RBI	Shallow stony red-brown clay soils overlying bedrock.
	RB2	Red-brown sandy clay soils with granular structure.
	RB3	Heavy red-brown clay soils with prismatic or blocky structure over clay with variable lime.
	RB4	Shallow red-brown clay soils with thin lime or calcrete layer on calcareous bedrock.
	RB5	Red-brown clay soils with granular structure over clay with variable lime.
	RB5a	Brown clay or sandy clay soils with granular structure over sandy clay with some lime.
	RB3a	As for RB3 but with stone fragments throughout the profile.
	RB3b	As for RB3 but with deep coarse-textured surface soil.
	RB6	Red-brown clay or sandy clay soils with blocky structure with low lime sand increasing with depth.
	RB7	Red-brown sandy clay soils with granular structure and with low lime overlying sand.
	RB8	Red-brown clay soils overlying calcareous clays on rock.
	RB9	Mottled silty clay over brown silty clay with granular structure, slight lime, becoming sandy with depth.
BLACK EARTH	BE	Black to dark grey clay soils with coarse blocky structure over brown or mottled clay, variable lime. Cracking soil.
TERRA ROSSA	TR	Shallow uniform red to brown soil with granular structure developed on highly calcareous parent material.
RENDZINA	RZ	Uniform dark brown to black soils with granular structure on highly calcareous parent material.
PODZOLIC SOILS	PI	Grey sand topsoils over mottled sandy clays with blocky structure on sandstone.
	P2	Grey sandy surface over yellow and mottled clay with blocky structure on slates, shales and quartzites.
	P3	Grey sandy surface over red clay with granular structure on slates and shales.
	P4	Grey sandy surface with much ironstone gravel over yellow and mottled clay with granular structure.
SOLODIC SOILS	SI	Grey and white sand over mottled clays with coarse blocky structure on sandstone bedrock, cracking type.
	S2	Grey and white sand over mottled clays with coarse blocky structure on shale and slate bedrock. Cracking type.
BROWN SOLONIZED SOIL	BS	Brown sandy to clayey soils with abundant earthy lime and calcrete in subsoil.
ALLUVIAL SOILS	AL	Layered stream alluvium—silts, sands and gravels.
ESTUARINE MUDS AND SANDS	EMS	Layered sediments of mixed marine and river origin—sands, silts, clays and organic deposits.
DUNE SAND	DSI	Layered old dune sands, generally compact and normally brown colours.
	DS2	Recent coastal dune sands, unconsolidated grey to white and yellow colours.
SLOPEWASH	SW	Mixed stony colluvial wash material usually brown and red-brown colours. No profile development.
SKELETAL SOILS	SK	Very thin soils on bedrock. Rock outcrops general.

Soils mapping by J.K. Taylor, B.A., M.Sc., B.Sc.Agr., soils consultant, with additions by M.J. Sheard, B.App.Sc., Geol., and G.M. Bowman, Ph.D., (CSIRO Division of Soils).

Cartography by the Drafting Branch, Department of Mines and Energy, S.A.

Topography compiled from mapping supplied by Department of Lands, S.A.

Prepared under the direction of R.K. Johns, M.Sc., Director-General, Department of Mines and Energy.

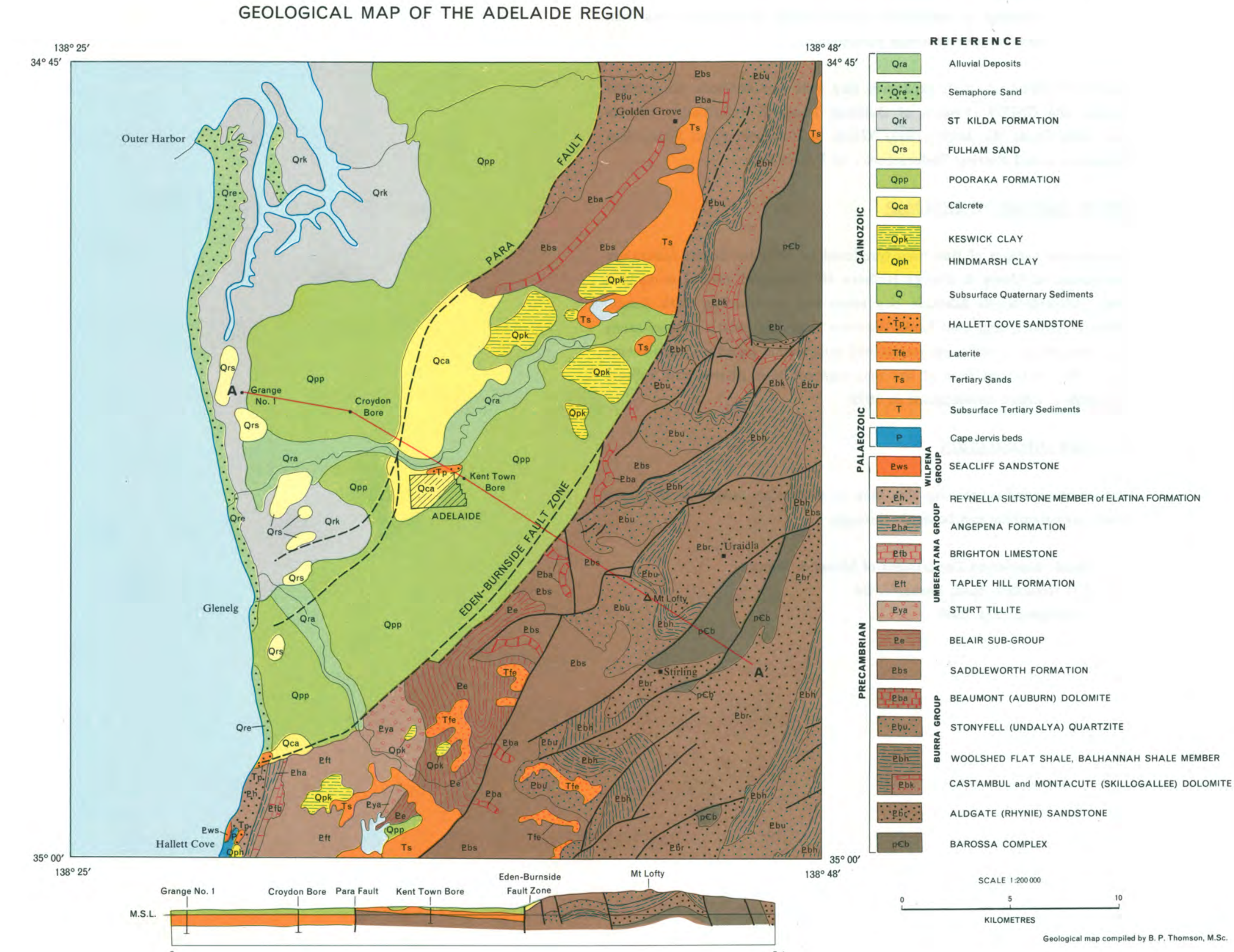
Issued under the authority of the Honourable J.H. Klunder, M.P., Minister of Mines and Energy.

Second edition 1989

A. Fitzsimmons, Acting Government Printer, South Australia

Crown Copyright Reserved

Map user Notes on reverse

- Soil Association Boundaries
- Soil Association Sub-Boundaries
- Railway, multiple track
- Railway, single track
- National Route Marker
- Road
- Water Tower, Tank
- Evaporating Pans
- Mangroves
- Contours
- Quarry
- Swamp

GEOLOGICAL MAP OF THE ADELAIDE REGION