

BARKER

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT OF MINES ADELAIDE

AUSTRALIA 1:250,000
Map Corners from data available at publication.

S.A. GEOLOGICAL ATLAS SERIES SHEET 1 54-13 ZONES 5 & 6

FIRST EDITION 1962



REFERENCE

QUATERNARY	RECENT	Qr	Alluvial flat deposits.
		Qpe	Scree, alluvial slope deposits.
		Qpa	Aeolian sands.
QUATERNARY	PLEISTOCENE	Qpe	Kunkurised dunes and sand spreads, and kunkur (in sheets) related to calcareous bedrock.
QUATERNARY	HOLOCENE	Qpa	Outwash deposits, sands and clays locally with pebbles and boulders, usually capped by kunkurised surface. Marine shell beds east of Meningie.
QUATERNARY	INTERGLACIAL	Qpe	Laterised deposits and ferruginised sands and gravels, of upland plateau areas. Mottled sands, clays of western coastal regions, underlain by HILLETTS COVE SANDSTONE; marine sands, sandy limestones. NORTHWEST BEND FORMATION: marine sandy limestone of Murray River area.
QUATERNARY	GLACIAL	Qpe	PORT WILLIAMS BEDS: marine sandy limestones and clays in western coastal areas. MANNING FORMATION: sandy limestones, gritty at base. ETTICK MARLS: glauconitic marls.
QUATERNARY	GLACIAL	Qpe	BLANCHE POINT MARLS: gastropod marls, underlain by TORTACHILLA LIMESTONE. glauconitic limestone.
QUATERNARY	GLACIAL	Qpe	SOUTH MASLIN SANDS: marine limonitic sands underlain by NORTH MASLIN SANDS: cross-bedded sands and gravels, local lateritic developments.
QUATERNARY	GLACIAL	Qpe	Glacial and fluvial deposits: cross-bedded silts and sands with boulders, green clays. Marine shales and mudstones near Second Valley. Possibly including reworked deposits of younger age.
QUATERNARY	GLACIAL	Qpe	CAMBRIAN SUCCESSION EAST AND SOUTH OF ARCHAEO ANTICLINAL CORES
QUATERNARY	GLACIAL	Qpe	BRUKINGA FORMATION: interbedded phyllites and greywacke with brown, grey and purple shales.
QUATERNARY	GLACIAL	Qpe	Pyritic phyllites and low grade schist, in part carbonaceous, including INMAN HILL FORMATION: coarse-grained impure arkose, locally cross-bedded and with slump structures. Fossiliferous pebbles locally towards top. Greywacke with siltstones and phyllites, shales, quartzites.
QUATERNARY	GLACIAL	Qpe	MARLBOROUGH: Marble lens.
QUATERNARY	GLACIAL	Qpe	Phyllite shales and siltstones, locally pyritic, phosporic or carbonaceous. Marble.
QUATERNARY	GLACIAL	Qpe	Quartzites (Stratigraphic position uncertain).
QUATERNARY	GLACIAL	Qpe	CAMBRIAN SUCCESSION WEST OF ARCHAEO ANTICLINAL CORES
QUATERNARY	GLACIAL	Qpe	Chloritic greywacke of Conraskings Head and Myponga Jetty.
QUATERNARY	GLACIAL	Qpe	HEATHERDALE SHALES: mottled and nodular carbonaceous shales with phosphate nodules, locally calcareous at base.
QUATERNARY	GLACIAL	Qpe	FORK TREE LIMESTONE: massive and bedded calc-dolomite with Antracanthus.
QUATERNARY	GLACIAL	Qpe	Banded limestone, calcareous shales and siltstones with sandstones and calc. dolomite. BELLECK HILL LIMESTONE AND WANGKONDIA FORMATION: Pebbly arkose at base.
QUATERNARY	GLACIAL	Qpe	MARLBOROUGH: Mud-silt rich, ripple marked quartzites and siltstones overlain by purple argillites north of Mount Terrible. Chocolate and grey siltstones and shales with greywacke and coarse siltstones. Phyllites east of Archaean anticlinal cores.
QUATERNARY	GLACIAL	Qpe	Felsitic quartzites, siltite, grit and grey pebbly mudstones with massive greywacke lenses, locally calcareous and purple. Includes MANNING ARKOSE, BRIGGTON LIMESTONE: oolitic limestone, fuggy limestones and dolomite, occurring in overlying and underlying beds. Marble in Mt. Barker and Ashbourne regions.
QUATERNARY	GLACIAL	Qpe	TARLY HILL SLATES: blue-grey laminated, alternating siltstones and shales locally phyllitic. Blue ferruginous slates at the base.
QUATERNARY	GLACIAL	Qpe	STURT TILLITE: Boulder tillite.
QUATERNARY	GLACIAL	Qpe	Quartzites and arkoses, locally pebbly with interbedded siltstones, locally laminated. Blue-grey alternating siltstones and shales, with local arkose bands, scattered pebbles in siltstone matrix, locally calcareous.
QUATERNARY	GLACIAL	Qpe	STONYFELL QUARTZITE: in northern part of sheet. Dark pyritic shales, quartzitic and sandy at base. Contains reworked chert pebbles at base in Scott Creek region. Calcareous and fine-grained at base in Mt. Bold region.
QUATERNARY	GLACIAL	Qpe	Calcareous beds with interbedded black chert bands and magnesian (MONTAGUTE DOLOMITE equivalent). Sandstone and carbonaceous shales with black chert lenses and nodules. Sandstones and carbonaceous shales.
QUATERNARY	GLACIAL	Qpe	ALDGETE SANDSTONE: heavy mineral bonded quartzite and arkose with conglomerates.
QUATERNARY	GLACIAL	Qpe	IGNEOUS ROCKS OF LOWER PALAEOZOIC AGE
QUATERNARY	GLACIAL	Qpe	VICTOR HARBOR GRANITE, CAPE WILLOUGHBY GRANITE: porphyritic, coarse-grained adamellite with large zoned feldspar phenocrysts (subhedral and rounded) and bluish quartz phenocrysts, local shales (labrite).
QUATERNARY	GLACIAL	Qpe	MURRAY BRIDGE GRANITE: pink, coarse-grained, granite. Smoky quartz phenocrysts.
QUATERNARY	GLACIAL	Qpe	MONARTO GRANITE: light grey, fine-grained, even-grained adamellite, occasionally gneissic.
QUATERNARY	GLACIAL	Qpe	VEIN AND DYKE ROCKS OF VARIOUS AGES
QUATERNARY	GLACIAL	Qpe	Diorite dykes and plugs.
QUATERNARY	GLACIAL	Qpe	Quartz, quartz-tourmaline (B), quartz-hornblende (F) vein.
QUATERNARY	GLACIAL	Qpe	Pegmatite.
QUATERNARY	GLACIAL	Qpe	ZONES OF MORE PRONOUNCED METAMORPHISM
QUATERNARY	GLACIAL	Qpe	Breccia.

GEOLOGICAL BOUNDARIES	---
FAULTS	---
FOLDS	---
SCARP	---
BEDDING	---
PLUNGE	---
VERTICAL	---
HORIZONTAL	---
TEND OF BEDDING	---
TOP OF RED CROSS BEDDING	---
FOLIATION	---
INCLINED	---
ATTITUDE OF CAINOZOIC OLD LEVEL SURFACES	---
CLIVAGE (Transverse schistosity in Archaean metasediments)	---
VERTICAL	---
INCLINED	---
LINATION PLUNGE	---
EROSIONAL SCARP	---
GEOLOGICAL SECTION	---
MAIN ROAD	---
SECONDARY ROAD	---
TRACK	---
RAILWAY	---
RIVER OR CREEK	---
SWAMP	---
LAGOON	---
SUBMARINE FORM LINES (5 FATHOM INTERVAL)	---
CONTOURS (100 FEET INTERVAL)	---
TRIANGULATION STATION	---
QUARRY	---
WATER BORES	---
WELL	---
EARTH TANK OR DAM	---
DAM ON STREAM	---

MINE	---
IRON	---
COPPER	---
GOLD	---
SILVER	---
PHOSPHATE	---
LEAD	---
MANGANESE	---
ZINC	---
BISMUTH	---
MERCURY	---
ANTIMONY	---
ARSENIC	---

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Issued under the authority of the Honourable
Sir A. Lyle McEwin, M.L.C., Minister of Mines.
Published 1962.

Copies of this map may be obtained from the Geological Survey of South Australia, Department of Mines, Adelaide, or the Bureau of Mineral Resources, Geology and Geophysics, Canberra, A.C.T. Printed for the Geological Survey of South Australia as a contribution to the Geological Map Series of the Commonwealth.

BARKER
SHEET 1 54-13

