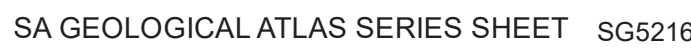
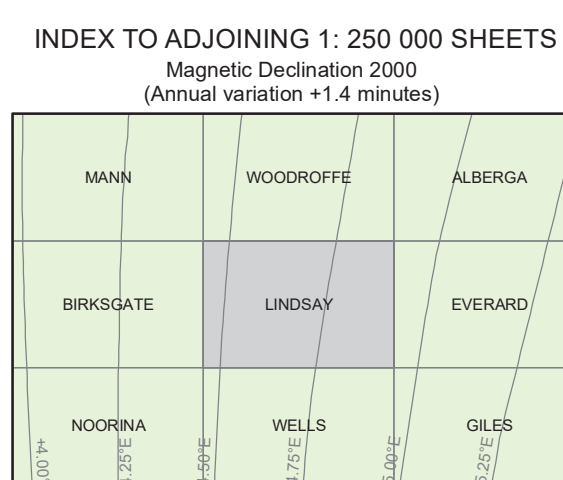
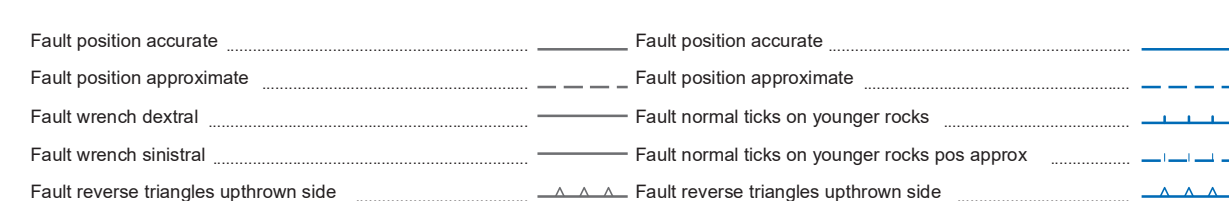
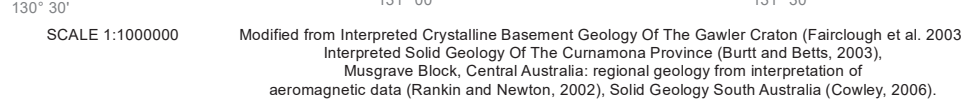
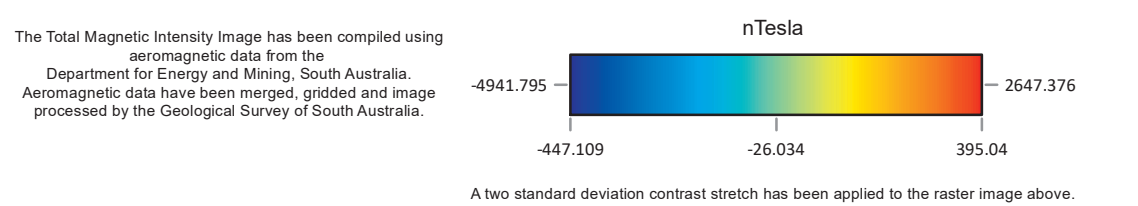


GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT FOR ENERGY AND MINING



HOLCENE	
	HOLCENE ALLUVIAL_FUVAL UNIT 1: Present day Holocene alluvium; current bedrock.
	HOLCENE ALLUVIAL_FUVAL UNIT 6: Holocene low angle slope deposits, giber, oolite.
	HOLCENE AEOLIAN SEDIMENTS: Unindifferented Holocene aeolian sediments.
	HOLCENE AEOLIAN UNIT 2: Holocene sand dapping dunes in dunefields.
	HOLCENE AEOLIAN UNIT 4: Holocene gaspsoline dunaes/dunefields.
	HOLCENE LAUSITENSE PLATA UNIT 1: Holocene playa sediment.
PLEISTOCENE-HOLCENE	
	QUATERNARY REGOCHALCOVUL UNIT 1: Quaternary glaze-mudded colluvium. Based on Q or MURLO/DOTTEY.
PLEISTOCENE	
	PLEISTOCENE REGOCHALCOVUL UNIT 5: Pleistocene red sand with regressive gravel veneer, typically multi-colored.
	PLEISTOCENE REGOCHALCOVUL UNIT 6: Pleistocene ironstone grange composed of abundant and calcareous. Based on Q or MURLO/DOTTEY.
	PLEISTOCENE CALDERMUDA, QZ ON KIRKWOODA.
	PLEISTOCENE CULBERTIA: Pleistocene pleistocene caliche.
MIOCENE-PLEISTOCENE	
	MANGATATIA FORMATION: Limestone to dolomite, marls, cream, brownish olive with characteristic clay horizons. Sandy clay to sandstones, red-brown, calcareous, grey, granule conglomerate, kankarite, phosic clay mottled red and green, shaly. Palaeozoic fossiliferous.
ECCENE-MIOCENE	
	ECCENE-MIOCENE BLACRETE: Undifferentiated Eccene to Miocene.
	ECCENE-MIOCENE BLACRETE UNIT 1: Regionally gray olivine, aprgne Lava-Eccene Mid-Miocene.
OROVICANEOVULCAN	
	OROVICANEOVULCAN UNIT 1: Wabona Dike, Miraflores Beds, Based on OQ. Date 12-300-500 million years (1987).
BLUE HILLS SANDSTONE	
	BLUE HILLS SANDSTONE: Sandstone, medium to coarse-grained, kankarite or porphy, with quartz beds, sandstone, shale, siltstone, etc. True blue color.
	MOUNT CHANDLER SANDSTONE: Sandstone, purple-black, well-sorted, fine to medium-grained, orange, cross-bedded, with heavy mineral laminae, sandstone, shale, siltstone, etc. True blue color.
CAMBRIAN	
	WERLEBA BEDS: Sandstone, shales, feldspathic and micaceous; dolomite, siliceous, micaceous.
NEOPROTEROZOIC	
	FLUNKERS SANDSTONES: Sandstones, purple and red-brown, quartzite, argillaceous, coarse, lower unit sandstone, red and white, feldspathic, argillaceous.
	WRIGHT HILL BEDS: Siliceous, quartzite, sandstone, feldspathic, argillaceous, coarse, lower unit sandstone, red and white, feldspathic, argillaceous.
	PINDON SANDSTONE: Basic conglomerate, thin, sandstone, medium to coarse-grained, cross-bedded, shale, white, rare chert, limestone and dolomite.
MESOPROTEROZOIC	
	MESOPROTEROZOIC UNIT 23: Undifferentiated orthohercynitic gneiss of the Musgrave Block.
	PITANTATIA ALKA SUPERFUTITE: Alkali granite to diorite, primarily quartz monzonite with orthopyroxene oligoclase/microcline, hornblende, cordierite, perovskite, titanite to muscovite. Aka Hoys - >1220-1120 Ma, pink and gold/Kangaroo Group.
	PITANTATIA ALKA SUPERFUTITE UNIT 8: Granite with accessory zircon. Based on pink and white 60% on WOODOOTIE.
	AHEPHERA GRANITE: Granite, biotite-hornblende, pyroxite.
PALEO-MESOPROTEROZOIC	
	BIRSENGAT COMPLEX: Quartz, apatite/microcline, orthopyroxene, felsic to ultramafic, pegmatites, apatite to zircon formation. Granulate to amphibolite facies. Phosphate age ~1080-1050 Ma.
	WARHU OHSSO GNEISS: Granite, medium-grained, with hornblende, biotite and lesser orthopyroxene and oligoclase. Amphibolite to granulite facies.



DIGITAL EDITION
SUBJECT TO AMENDMENT
See published printed map for further information

