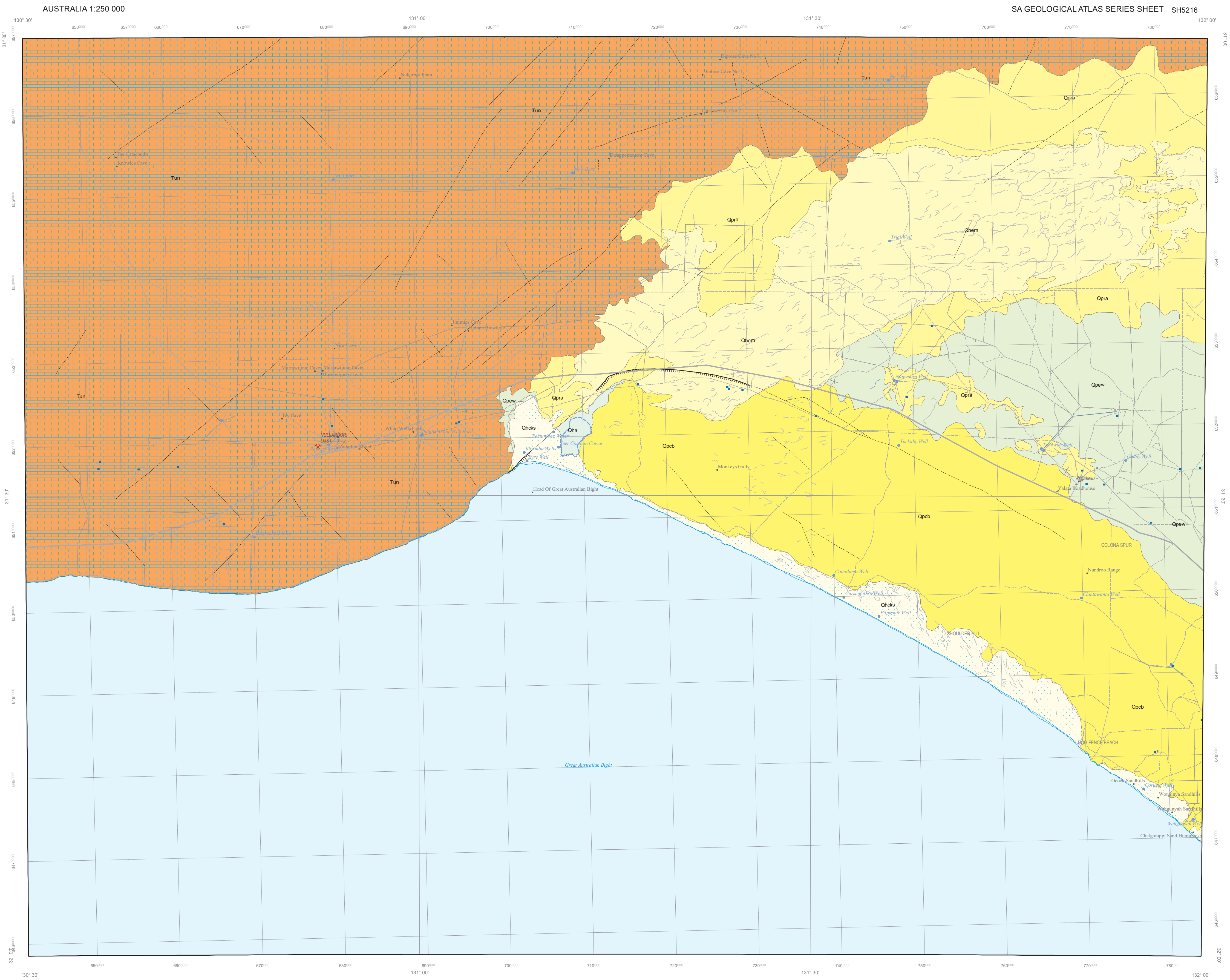


NULLARBOR

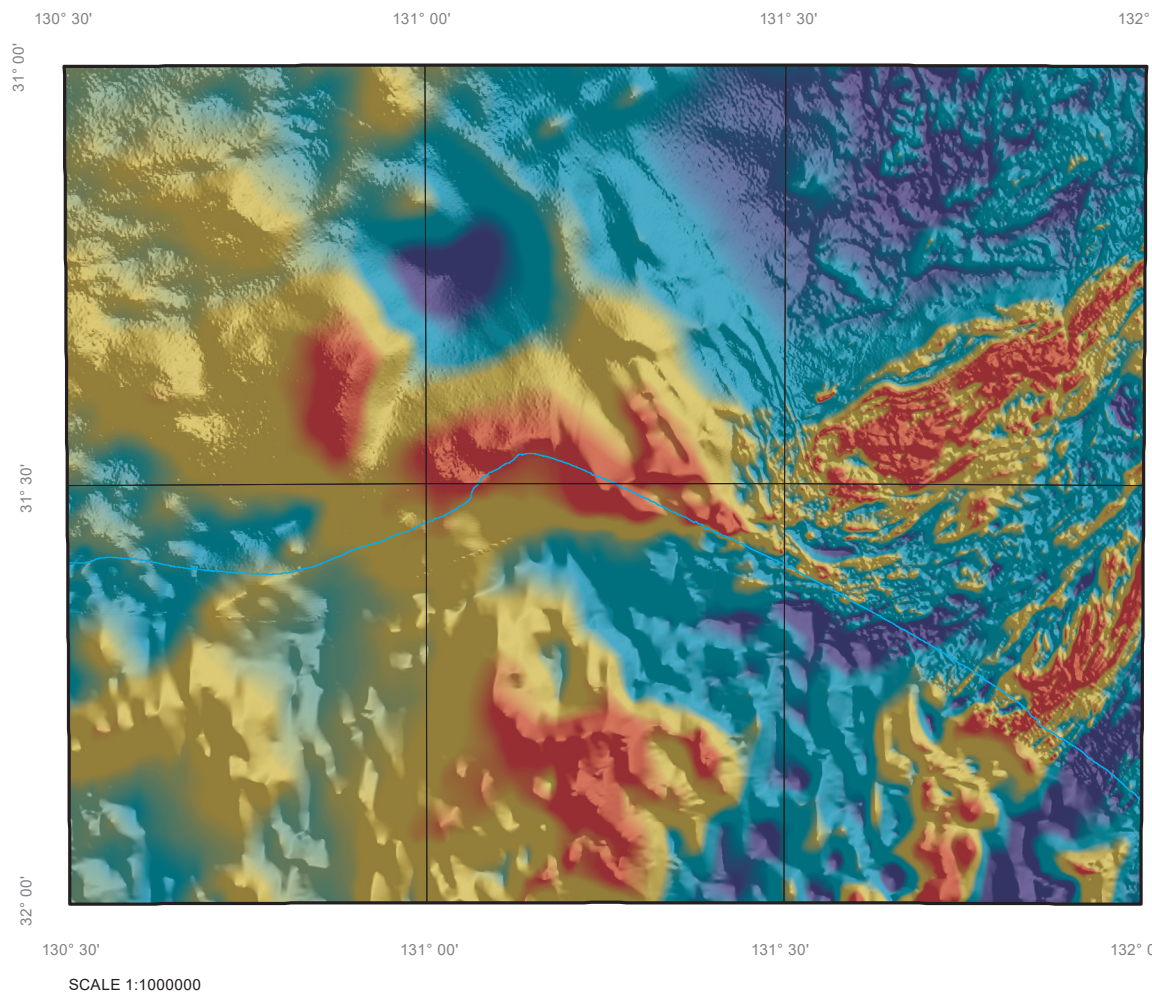
GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT FOR ENERGY AND MINING



REFERENCE

HOLOCENE	
Qha	HOLOCENE ALLUVIAL/FLUVIAL SEGMENTS: Unconsolidated Holocene alluvial/fluviatile sediments
Qhs	SEMAPHORE SAND MEMBER: Unconsolidated white to calcareous quartz-calcarenite sand of marine beaches and transgressive dune fields
Qhm	MOORABA SAND: Sand, siltstone, off-white and pale yellow, quartz-rich with carbonate pebbles
PLEISTOCENE	
Qpw	WALBANA FORMATION: Silts to fine-grained sand, orange-brown, calcareous, conglomeratic in part. Aclastic
Qpn	CALABONNA CLAY: Clay, red-brown, sandy, clayey sand
Qpb	BRIDGEWATER FORMATION: Coastal barrier and shallow sub-tidal sediments: bioclastic and siltstone cross-bedded calcarenite, calcarenite horizons, often capped by calcarenite
MIDDLE MIOCENE-EARLY PLEISTOCENE	
Tun	NULLARBOR LIMESTONE: Limestone, bioclastic, micritic. Subtidal, platform, above fair weather wave-base

TOTAL MAGNETIC INTENSITY IMAGE



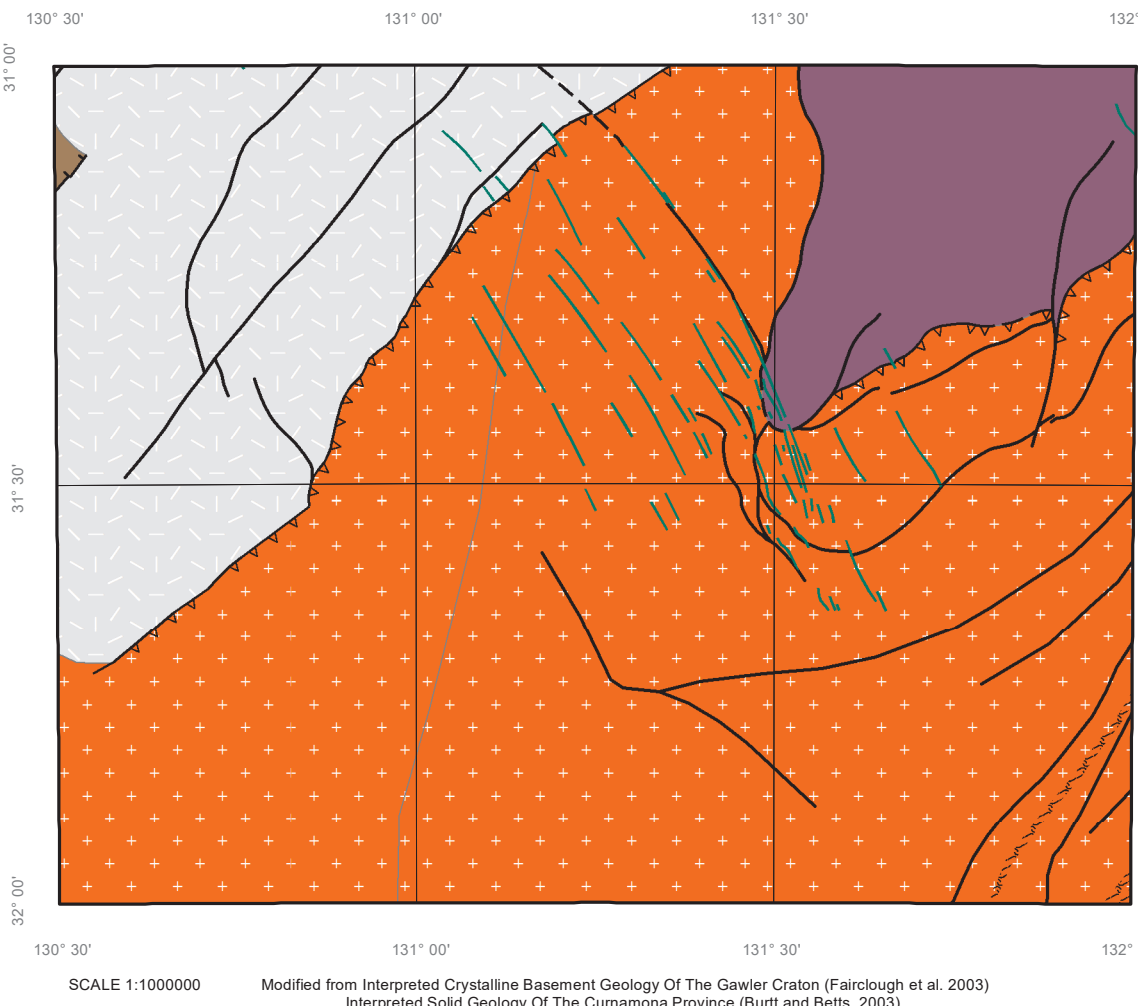
The Total Magnetic Intensity image has been compiled using
aeromagnetic data from the
Department for Energy and Mining, South Australia.
Aeromagnetic data have been merged, gridded and image
processed by the Geological Survey of South Australia.

nT

-1737.92 -119.944 855.784 2455.63

A two standard deviation contrast stretch has been applied to the raster image above.

SOLID GEOLOGY INTERPRETATION



Solid Geology	
LM0	Mesoproterozoic unit 40
LM11	Palaoproterozoic-Mesoproterozoic unit 11
LM14	Palaoproterozoic-Mesoproterozoic unit 14 - Enginna Adamellite, Symons Granite, equivalents of Tunkilla Suite
LM14	Palaoproterozoic-Mesoproterozoic unit 14 - Enginna Adamellite, Symons Granite, equivalents of Tunkilla Suite
LM14	Palaoproterozoic-Mesoproterozoic unit 14 - Enginna Adamellite, Symons Granite, equivalents of Tunkilla Suite
Solid Geology - Linear Structure	
	Fault position accurate
	Fault position approximate
	Fault normal slicks on younger rocks
	Mylonite zone
	Fault reverse approximate triangles upthrown side
	Fault reverse triangles upthrown side

SCALE 1:250,000



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or that of their staff, but not for any other purpose except with the written
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Topographic detail based on TOPO-250K GEODATA (source scale 1:250 000)
inspired by Geoscience Australia - National Mapping Division, ACT.
The relationship between this data and DEM data is not guaranteed.

Computer generated from SA GEOLOGY database
(Digital data available upon request)
Current version 2018 Digital

Product of Spatial Information Services,
Published by, and with the authority of, the
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Grey numbered lines indicate the 10000 metre Map Grid
Transverse Mercator Projection, Geocentric Datum Australia, 2020.

The lake boundaries displayed on this map may have been derived from geological interpretation
and may not match lakes interpreted by topographic mapping authorities.
Not all structures are represented on the particular sheet.

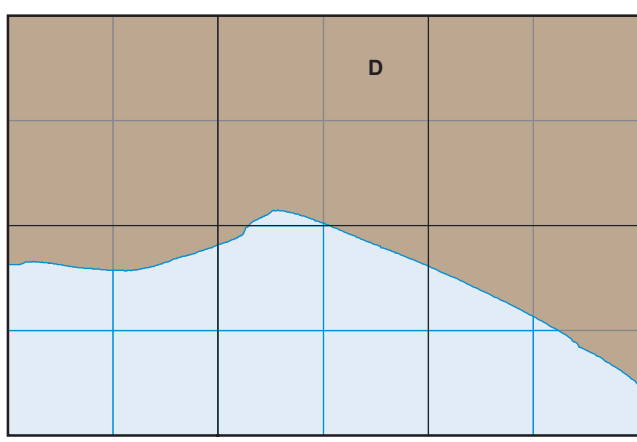
Mapping and Compilation by A.J. Parker, Ph.D., with contributions by R.B. Firth, B.Sc.(Hons) and
the (Broken Hill Pty Co. Ltd)

R.C. Coburn, Director, Geological Survey of South Australia.

Geological boundaries displayed on this map have been
Derived from geological interpretation and are not
intended to be used for navigational purposes.

Copies of this map can be obtained from the
Department for Energy and Mining SA, Adelaide
2020

GEOLOGICAL RELIABILITY DIAGRAM



Nullarbor sheet preliminary published 1972

SCALE 1:200,000

A Detailed ground traverses
B Image interpretation with limited ground traverses
C Image interpretation with potentially some minor ground traverses
D Image interpretation only

INDEX TO 1:100 000 SHEETS

Nullarbor 5035	Illoomba 5135	Yalata 5235
Wigunda 5034	Coymbra 5134	Pilupprie 5234

INDEX TO ADJOINING 1:250 000 SHEETS

COOK	COLLEA	BARTON
COOMPARA	NULLARBOR	FOWLER
5035	5135	5235



GEOLOGICAL BOUNDARY

COASTLINE _____

GEOLOGICAL BOUNDARY POSITION ACCURATE _____

GEOLOGICAL BOUNDARY POSITION APPROXIMATE _____

MINING

QUARRY - CONSTRUCTION MATERIALS (HARD
ROCK) _____

HYDROGRAPHIC AND GEOMORPHIC FEATURES

MINOR WATERCOURSE _____

SWAMP _____

BORE _____

WATER TANK _____

SAND RIDGE _____

CULTURAL FEATURES

PRINCIPAL ROAD _____

MINOR ROADS _____

VEHICULAR TRACKS _____

FENCE _____

WATER PIPELINE _____

IDENTIFIED POINT _____

BUILDING _____

YARDS _____

LANDING GROUND _____

COMMODITIES

LMST Limestone

LINEAR STRUCTURES

ESCARPMENT _____

GR.OA _____

JOINT PATTERN AIRPHOTO INTERPRETED _____

KARST FORMATIONS _____