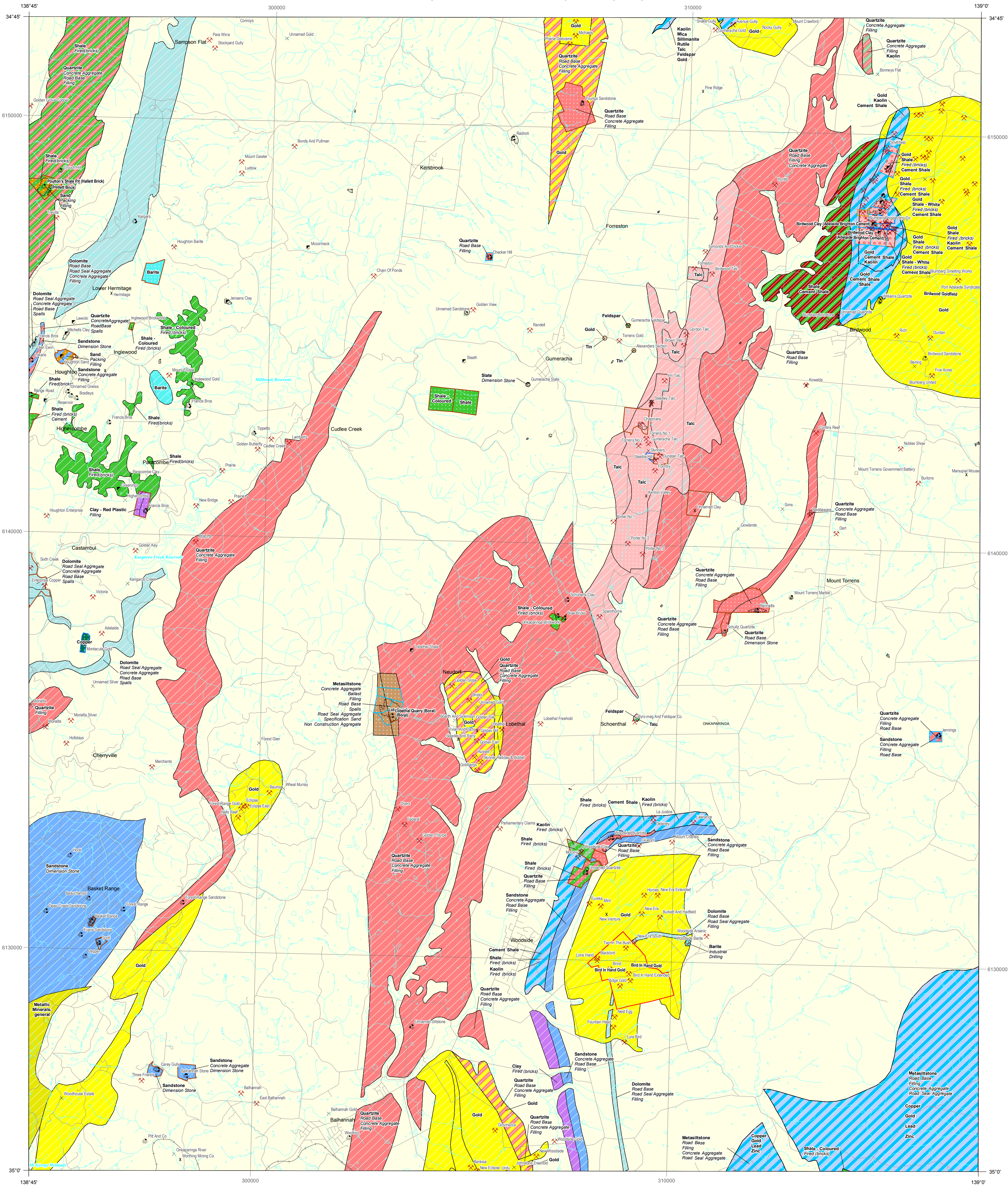


ONKAPARINGA MINERAL RESOURCE POTENTIAL

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA, DEPARTMENT FOR MANUFACTURING, INNOVATION, TRADE, RESOURCES AND ENERGY



REFERENCE

MINERAL RESOURCE POTENTIAL

South Australian Mineral Resource Potential Mapping translates geological mapping, current mineral production tenement locations and a range of other resource information into a 3 level categorisation of resource potential and suggested planning response as below.

CATEGORY 1 - HIGH MINERAL POTENTIAL & for Current Operation

Full planning protection required from incompatible development. Important mineral resource area. Current mining operation, current mineral tenement, Extractive Industry Zone, known economically viable mineral resource/reserve established by drilling, trenching etc. or high potential for resource/reserve although full investigation to resource/reserve status not yet undertaken.

CATEGORY 2 - MEDIUM MINERAL POTENTIAL

Mineral Potential should be considered in planning. Further consultation or investigation before incompatible development allowed. Moderate to good geological potential for significant resources known from preliminary geological studies but investigation required to establish resource and economic viability.

CATEGORY 3 - LOW MINERAL POTENTIAL

No specific planning protection required. No or very minor known mineral resource potential based on current information. May include some sources of construction material (e.g. fill or other low specification material for local use from pits operated by councils).

Changes in mineral resource market requirements, in geological knowledge and information and in exploration techniques may significantly alter the mineral potential categories applicable to areas. The latter two factors are particularly relevant to the potential for metallic minerals.

South Australian Mineral Resource Potential Mapping is discussed further in MESA Journal 59: 13-15.

MINERAL RESOURCE POTENTIAL - COMMODITIES

Category 1 - Gold

Category 1 - Silver

Category 1 - Sandstone

Category 1 - Metasilstone

Category 1 - Dolomite

Category 1 - Barite

Category 1 - Kaolin

Category 1 - Quartzite

Category 1 - Talc

Category 1 - Sand

Category 1 - Shale

Category 1 - Cement Shale

Category 2 - Lead

Category 2 - Tin

Category 2 - Dolomite

Category 2 - Slate

Category 2 - Cement Shale

Category 2 - Clay

Category 2 - Gold

Category 2 - Copper

Category 2 - Shale

Category 2 - Barite

Category 2 - Kaolin

Category 2 - Metallic Minerals - general

Category 2 - Metasilstone

Category 2 - Sandstone

Category 2 - Zinc

Category 2 - Talc

Category 2 - Feldspar

Category 2 - Quartzite

Category 2 - Limestone

Category 2 - Rutile

Category 2 - Mica

Category 2 - Silimanite

Category 3 - No or little known resource potential

Overlapping - Cat 1 Shale/Sand

Overlapping - Cat 1 Sandstone/Sand

Overlapping - Cat 1 Kaolin/Shale

Overlapping - Cat 1 Shale/Quartzite

Overlapping - Cat 1 Quartzite/Sandstone

Overlapping - Cat 2 Quartzite/Sandstone

Overlapping - Cat 2 Kaolin/Quartzite

Overlapping - Cat 2 Quartzite/Sandstone

Overlapping - Cat 2 Shale/Cement Shale

Overlapping - Cat 2 Shale/Talc

Overlapping - Cat 2 Shale/Quartzite

Category 1 - More than 2 Commodities

Category 2 - More than 2 Commodities

MINERAL PRODUCTION TENEMENTS - ACTIVE

Extractive Minerals Lease

Mineral Claim

Mineral Lease

Miscellaneous Purposes Licence

Private Mine

Diggings

Mine

Occurrence

Pit

Prospect

Quarry

Treatment Site

Quarry

Labels

Dimension Stone

Commodity

Uses

Resource Area

Major Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area

Resource Area</