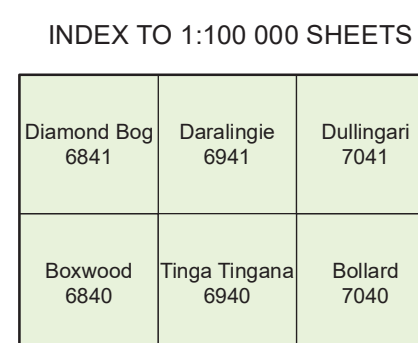
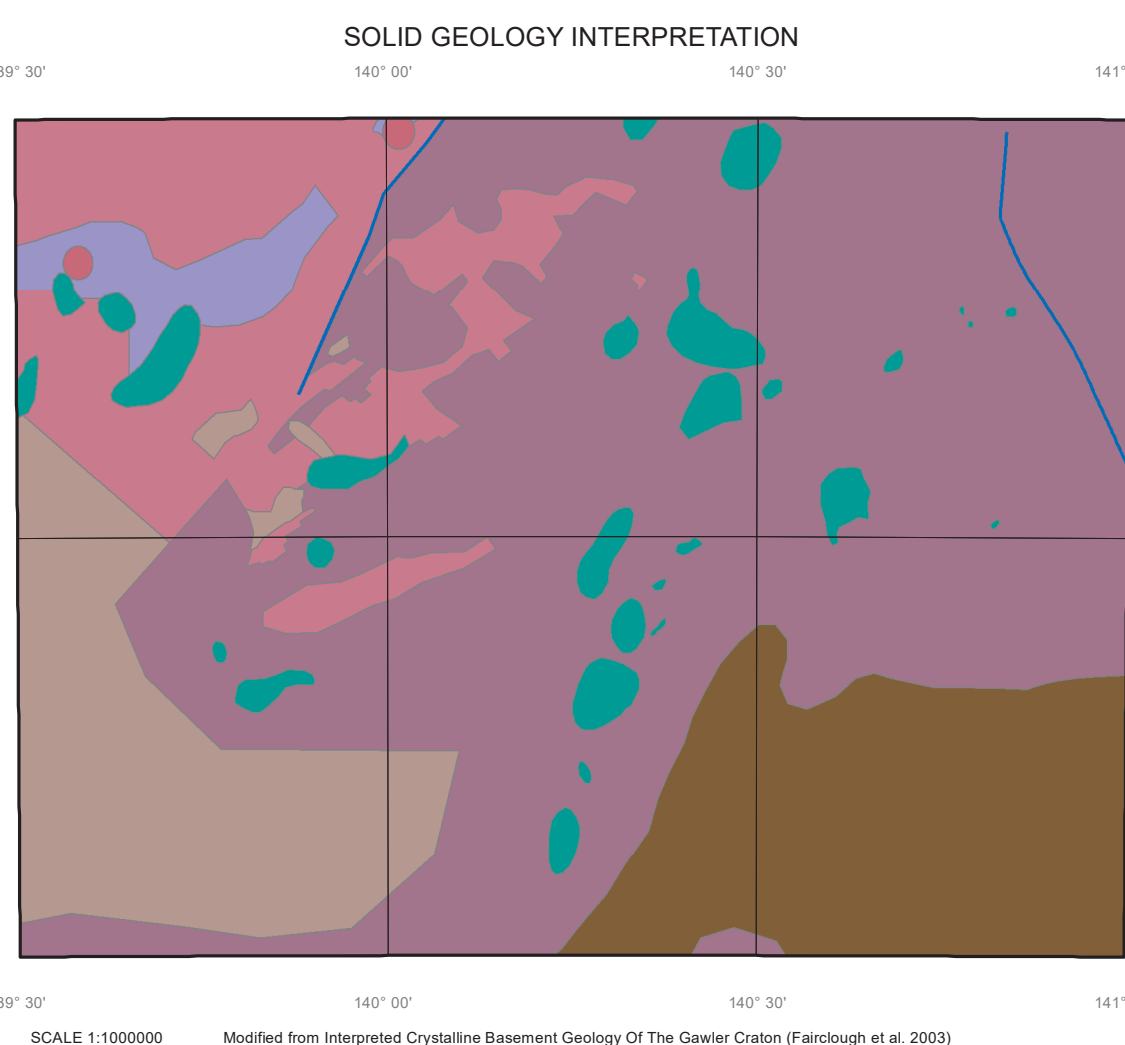


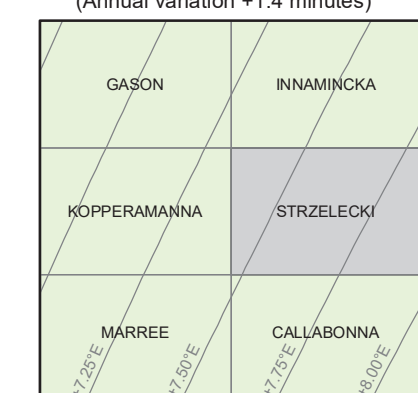
GEOLOGICAL SURVEY OF SOUTH AUSTRALIA  
DEPARTMENT FOR ENERGY AND MINING



| MICROCENE               |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q <sub>10a</sub>        | HOLOCENE ALLUVIAL/FLUVIAL SEDIMENTS: Undifferentiated Holocene alluvial/fluvial units.                                                                                  |
| Q <sub>10b</sub>        | HOLOCENE ALLUVIAL/FLUVIAL UNIT 2: Holocene alluvium slightly older than present day alluvium (Q <sub>10a</sub> ); commonly in loaves adjacent to clay loams.            |
| Q <sub>10c</sub>        | TRINIGAN CLAY: Sand, gray to light olive-gray, sandy clay and clay.                                                                                                     |
| Q <sub>11</sub>         | HOLOCENE LACUSTRINE/PLAUA UNIT 2: Holocene lacustrine sand dunes and terraces solely derived from Cretaceous to Quaternary sandy rocks and alluvium.                    |
| Q <sub>12</sub>         | HOLOCENE LACUSTRINE/PLAUA UNIT 1: Holocene playa sediments.                                                                                                             |
| Q <sub>13</sub>         | HOLOCENE LACUSTRINE/PLAUA UNIT 2: Holocene playa/marginal beach sediments.                                                                                              |
| PLEISTOCENE-HOLOCENE    |                                                                                                                                                                         |
| Q <sub>14p</sub>        | QUATERNARY GYPICRETTE: Undifferentiated Quaternary gypicrete.                                                                                                           |
| Q <sub>15</sub>         | QUATERNARY ALLUVIAL/FLUVIAL SEDIMENTS: Undifferentiated Quaternary alluvial/fluviat sediments.                                                                          |
| Q <sub>16</sub>         | QUATERNARY AEOLIAN UNIT 1: Quaternary dune/sand dunes.                                                                                                                  |
| Q <sub>16a</sub>        | IMPION SAND UNIT 1: Longitudinal sand dunes, STRZELECKI sheet.                                                                                                          |
| Q <sub>16b</sub>        | IMPION SAND UNIT 2: Hummocky sand dunes, STRZELECKI sheet.                                                                                                              |
| PLEISTOCENE             |                                                                                                                                                                         |
| Q <sub>17</sub>         | MILVERA FORMATION: Clay, greenish, thin algal limestones: 100 to 1000 ft. developed in greenish sand. Lacustrine to floodplain. Age ~145 000 to 65 000 to 30 000 years. |
| Pleistocene-Pleistocene |                                                                                                                                                                         |
| TyCay                   | INDURIBATHINATH SAND: Semi alternating orange and white, medium to coarse grained green and pebble beach sands.                                                         |
| GEOUSCENE-FORMCENE      |                                                                                                                                                                         |
| T <sub>1</sub> mp       | MARMA FORMATION: Sand, fine to medium-grained, poorly sorted, organic rich, thin, calcareous, oolitic (dominate) terraces. Shells, trackball to track ball striae.      |
| TERTIARY                |                                                                                                                                                                         |
| T <sub>2</sub> ep       | TERTIARY FERRORETITE UNIT 1: Tertiary oolite, goethite, nonresidual iron, developed in subarkose sands. Based on 1/3 with and only on MARMA.                            |



INDEX TO ADJOINING 1: 250 000 SHEETS  
Magnetic Declination 2000



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

|                                                                                                             |                                                                                                                                                         |                                                                                                                                                                                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>TOPOGRAPHIC BOUNDARY</b>                                                                                 |                                                                                                                                                         | <b>CULTURAL FEATURES</b>                                                                                                                                                                                                                                                                  |  |
| GEOLOGICAL BOUNDARY POSITION ACCURATE .....<br>GEOLOGICAL BOUNDARY POSITION APPROXIMATE .....<br>LAKE ..... | PRINCIPAL ROAD .....<br>SECONDARY ROAD .....<br>MINOR ROADS .....<br>VEHICULAR TRACKS .....<br>FENCE .....<br>GAS, OIL PIPELINE .....<br>PIPELINE ..... | IDENTIFIED POINT .....<br>BUILDING .....<br>YARDS .....<br>STORAGE TANKS .....<br>LANDING GROUND .....                                                                                                                                                                                    |  |
| <b>COMMODITIES</b>                                                                                          |                                                                                                                                                         |                                                                                                                                                                                                                                                                                           |  |
| CLAY .....<br>GAS .....<br>GRVL .....<br>SAND .....                                                         | Clay .....<br>Gas .....<br>Gravel .....<br>Sand .....                                                                                                   | ● .....<br>■ .....<br>□ .....<br>□ .....<br>✕ .....                                                                                                                                                                                                                                       |  |
| <b>LINEAR STRUCTURES</b>                                                                                    |                                                                                                                                                         | <b>HYDROGRAPHIC AND GEOMORPHIC FEATURES</b>                                                                                                                                                                                                                                               |  |
| FLOW DIRECTION PHASECHANNEL .....                                                                           |                                                                    | LAKE .....<br>INTERMITTENT LAKE .....<br>MAJOR WATERCOURSE .....<br>MINOR WATERCOURSE .....<br>WATERHOLE .....<br>BORE .....<br>WATER TANK .....<br>SAND RIDGE .....                                                                                                                      |  |
| <b>MINING</b>                                                                                               |                                                                                                                                                         |                                                                                                                                                                                                                                                                                           |  |
| PROSPECT .....<br>PIT/CUT - CONSTRUCTION MATERIALS (SAND AND/OR CLAY) .....                                 | x .....<br>✕ .....                                                                                                                                      |  .....<br> .....<br> ..... |  |

