

1:250 000

RAVENSTHORPE

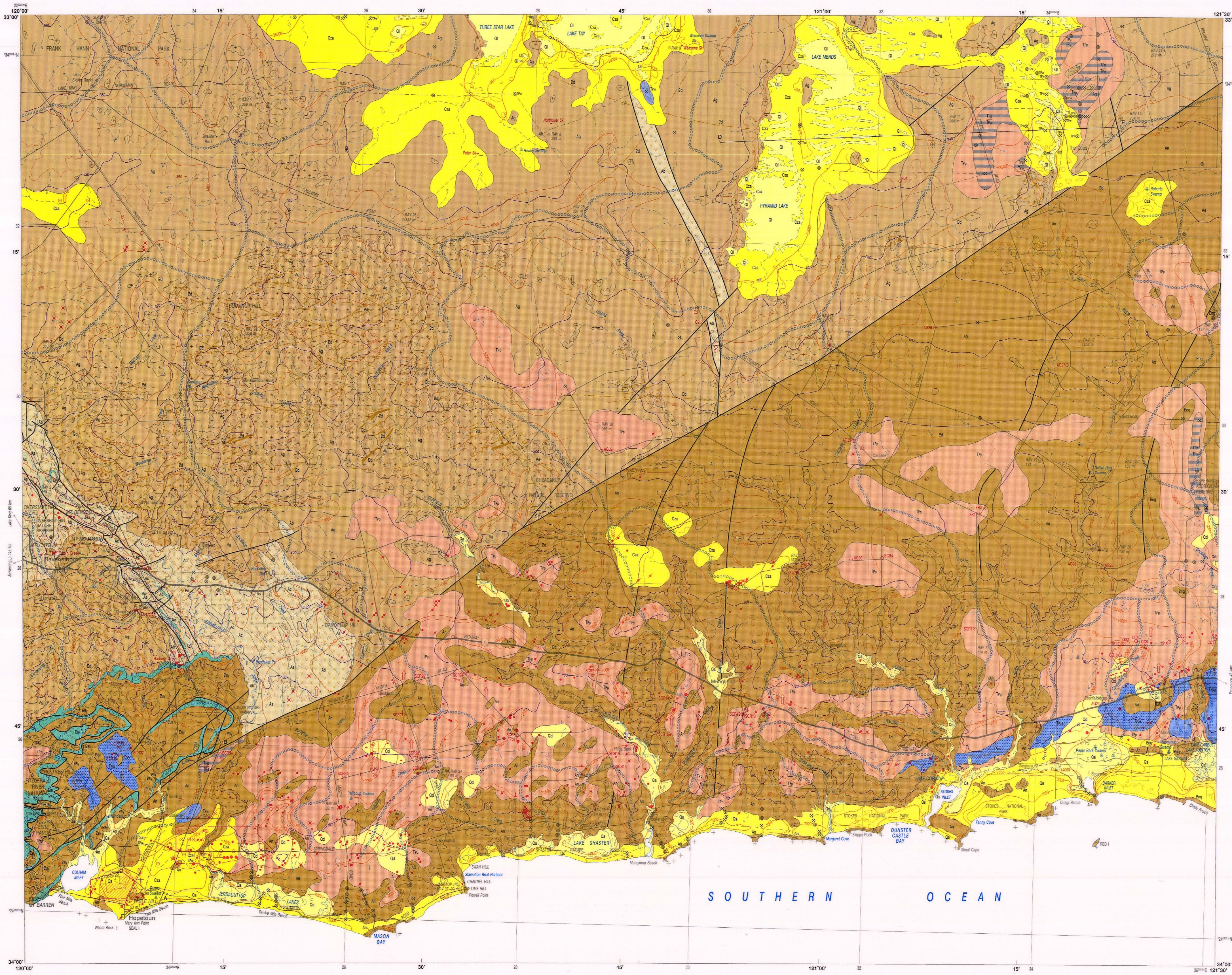
SI51-5

RAVENSTHORPE

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA — WATER AND RIVERS COMMISSION

SHEET SI 51-5

1:250 000 HYDROGEOLOGICAL SERIES



REFERENCE

AQUIFER CHARACTERISTICS

- Subsidiary aquifer—local sedimentary aquifer, minor groundwater resources
- Subsidiary aquifer—local sedimentary aquifer, minor to major groundwater resources
- Sedimentary aquifer—extensive aquifer, minor to major groundwater resources
- Sedimentary aquifer—extensive aquifer, minor groundwater resources
- Sedimentary aquifer—extensive aquifer, minor groundwater resources
- Fractured and weathered rocks—local aquifer, with large aquifers from fracture zones, minor groundwater resources
- Fractured and weathered rocks—local aquifer, minor groundwater resources
- Fractured and weathered rocks—local aquifer, very minor to major groundwater resources

HYDROGEOLOGY

QUATERNARY

- Qa Alluvium, minor calcareous—sand, silt, all and clay
- Qc Coarse silt and medium sandstone—sand, clay, and limestone
- Qd Limestone and calcareous sandstone—mostly clay
- Qe Eolian dunes and sandstone
- Qf Alluvium, calcareous and sandstone—mostly sand, gravel, minor clay and silt, mainly covering Perangin Group sediments

PERMIAN

Permian Group

- P1 FALLMUP SLTSTONE Shale, siltstone, calcareous sandstone, fine-grained sandstone and siltstone
- P2 WILKINSON FORMATION Grey fine to coarse-grained sand, calcareous clay and siltstone, bryozoan limestone
- P3 Dolerite dyke, intruded where dashed

TRIASSIC

Triassic Group

- T1 KNEBLUP SCHIST—phyllite, siltstone, minor portions of the Beane Formation and mud to shaly sandstone of the Coober Pedy
- T2 KANGUP QUARTZITE—massive orthoquartzite and calcareous quartzite (indicated by wavy line)
- T3 Gravelled green and gravelled rock—various (indicated by wavy line), generally weathered to clay
- T4 Gravelled green, argillite, minor argon greenstone (indicated by wavy line), generally weathered to clay
- T5 Gravelled rock, porphyritic and non-porphyritic (indicated by wavy line), generally weathered to sandy clay
- T6 Chert and bedded iron formation
- T7 Metasedimentary and basic volcanic rocks, sandstone, siltstone, shale, minor calcareous and siltstone
- T8 Mafic and ultramafic rocks, basalt, amphibolite, hornfelsite and minor gneissite

SYMBOLS

GEOLGY

- Hydrogeological boundary, concealed
- Unconformity (section only)
- Silt
- Extent of weathering (section only)

SURFACE WATER FEATURES

- Drainage, intermittent, cold
- Shrub permanent, marshland, swamp
- Surface water flow
- Surface water pipeline
- Drainage
- Dam, standard

GROUNDWATER FEATURES

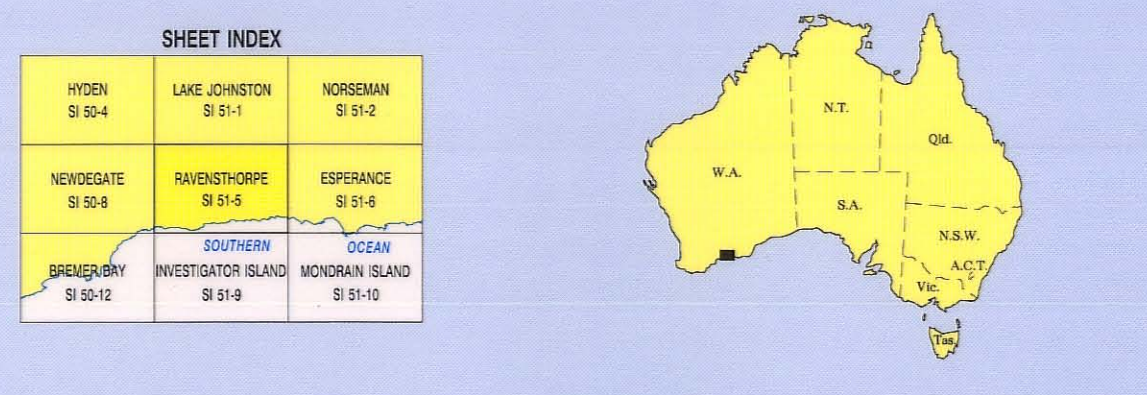
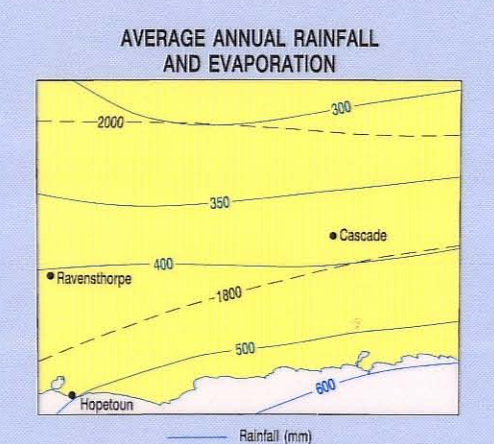
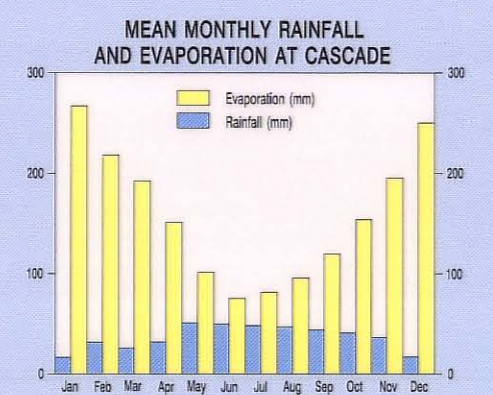
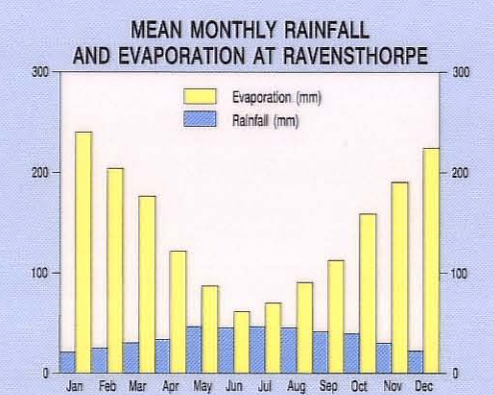
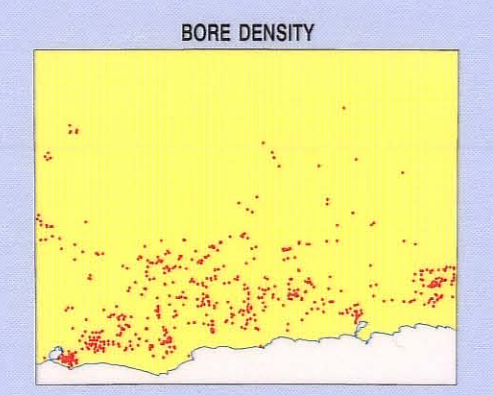
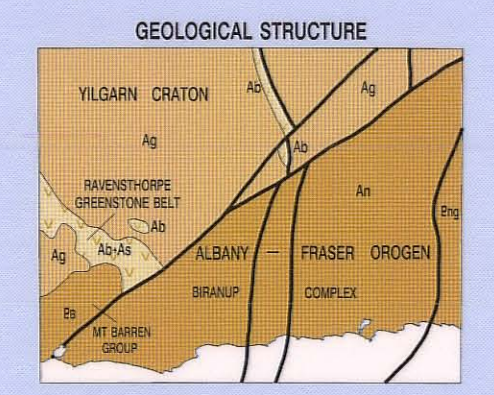
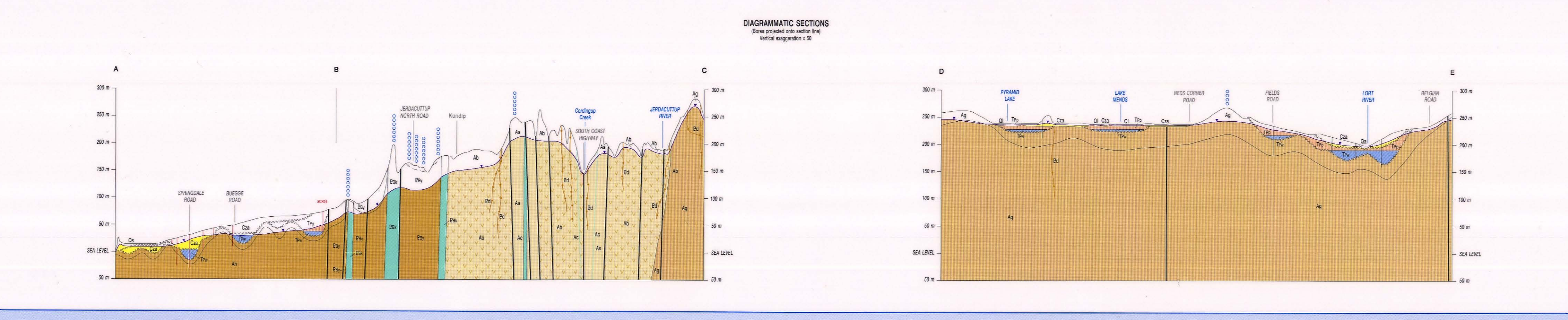
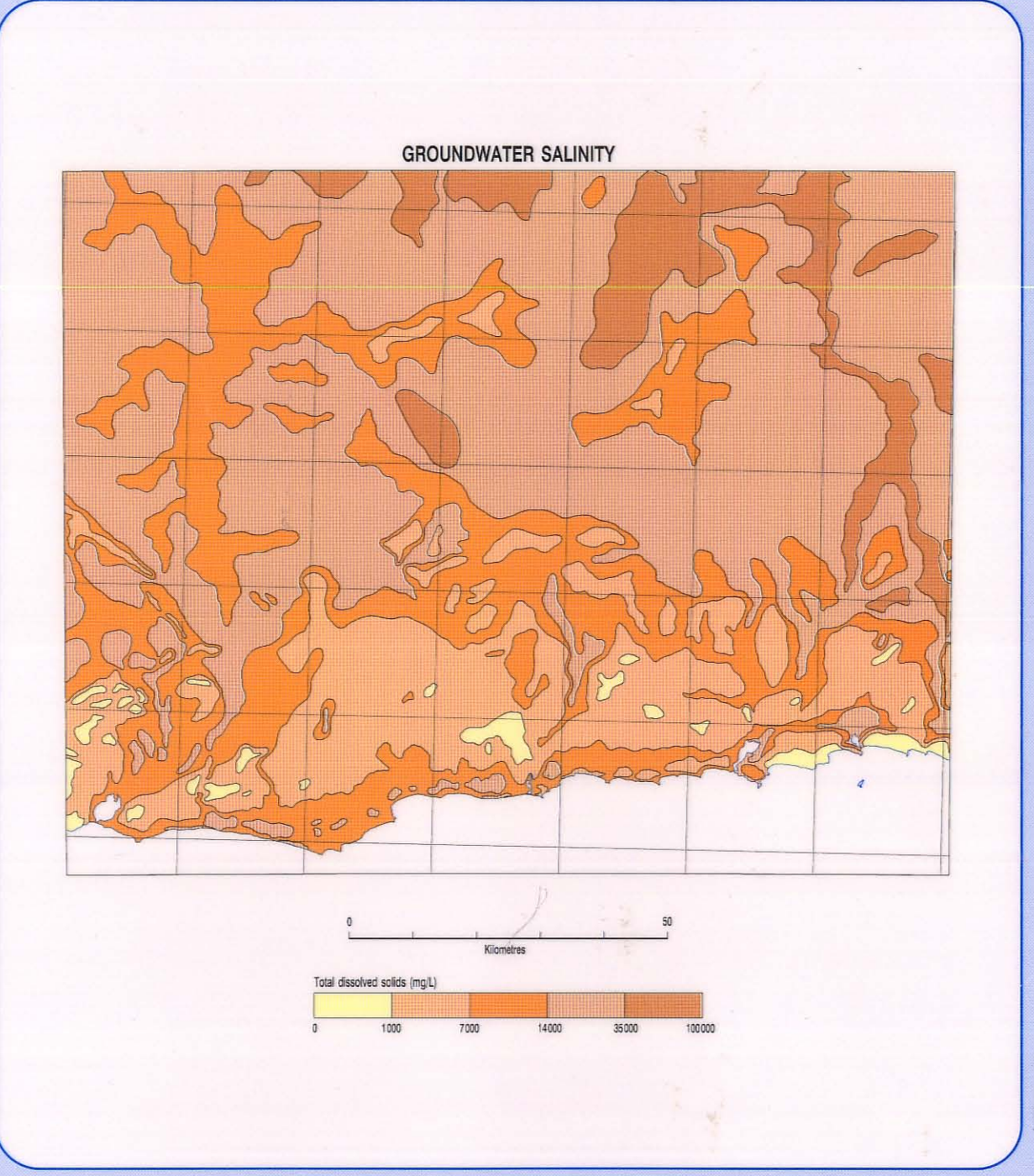
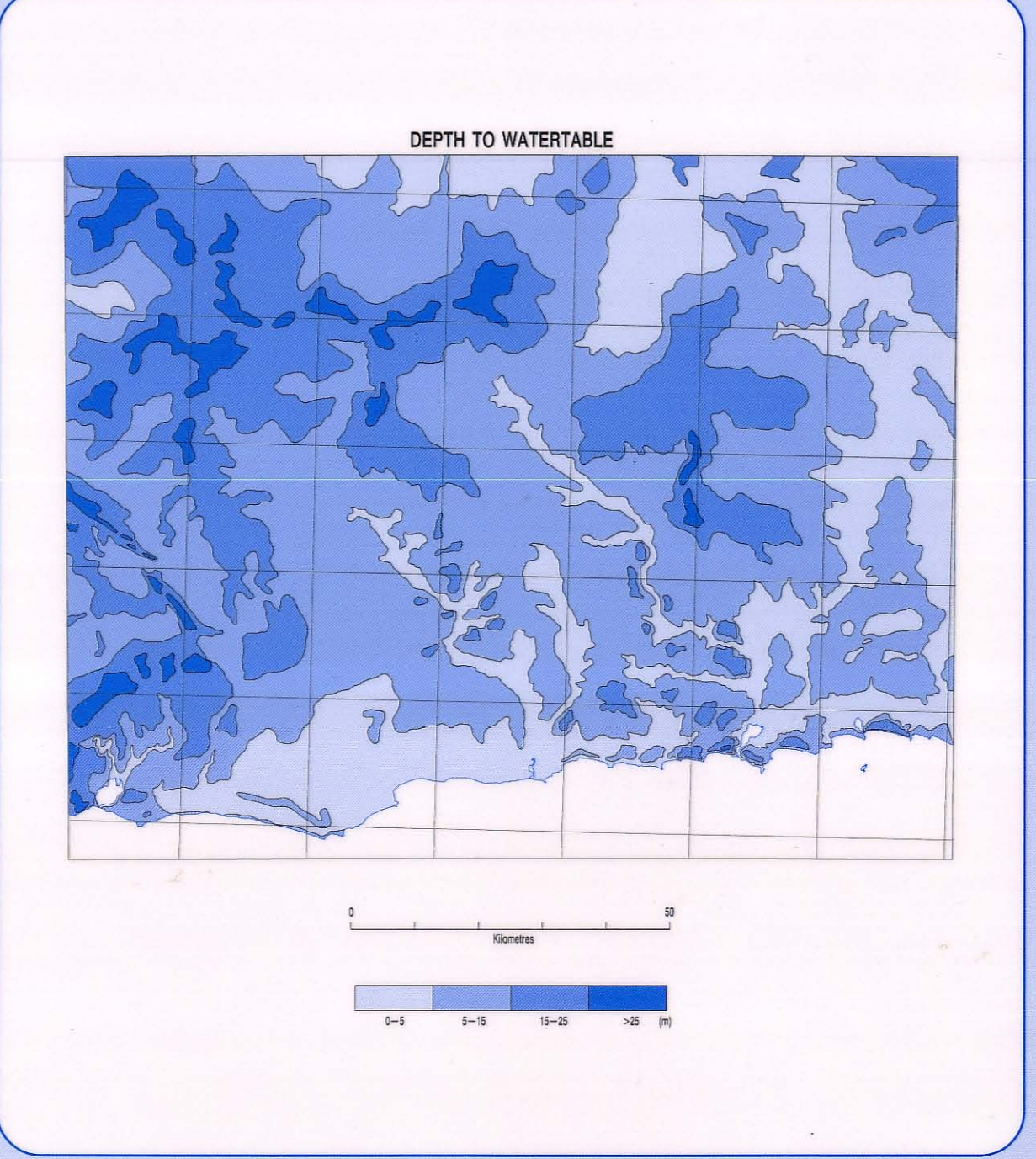
- Well
- Variable contour (by AWG)
- Variable contour (only)
- Schedule TSS (mg/L)

ARTIFICIAL FEATURES

- Water bore, yield <10 m³/day, >10 m³/day, extension
- Line intersecting significant confined aquifer
- Water bore, abandoned, yield <10 m³/day, >10 m³/day, dry
- Abandoned well for stock watering

TOPOCADASTRAL INFORMATION

- Highway with national route marker
- Formed road
- Track
- Other, abandoned
- Settling ground
- Ravensthorpe, population 100–1000
- Mungilup, population <100
- Locality
- Contour reef or submerged rock
- Topographic contour line, 50 metre interval (AWG)
- Topographic contour, minor (AWG)
- RAV 51
- Industrial park, refuse reuse and recycling reserve boundary



GOVERNMENT OF WESTERN AUSTRALIA
 MICHAEL MCKENZIE
 MINISTER FOR THE ENVIRONMENT

DEPARTMENT OF MINERALS AND ENERGY
 U.S. PARKER, DIRECTOR GENERAL

WATER AND RIVERS COMMISSION
 A. HAYES, CHIEF EXECUTIVE OFFICER

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
 MERVIN DALL, DIRECTOR

SCALE 1:250 000
 TRANSVERSE MERCATOR PROJECTION
 Grid lines indicate 2005 date of the Australian Map Grid Zone 51

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RAVENSTHORPE
 SHEET SI 51-5
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