

REFERENCE

AQUIFER CHARACTERISTICS

- Surface aquifer - local aquifer (not saturated everywhere), minor groundwater resources
- Surface aquifer - local aquifer, coarse sedimentary aquifers in paleochannels, minor/moderate groundwater resources
- Sedimentary aquifer - sedimentary rocks with intergranular porosity within paleochannels, moderate-major groundwater resources
- Fractured rock aquifer, locally fractured and jointed, minor groundwater resources
- Fractured and weathered rocks - local aquifer, minor groundwater resources
- Fractured and weathered rocks - local aquifer, minor or no groundwater resources

HYDROGEOLOGY

QUATERNARY

- Q1 Lacustrine sediments - gyttja/clay and silt: Minor groundwater supplies; hypersaline
- Q2 Alluvium and colluvium - clay, silt, sand, and gravel; minor alluvial, caliche, and ferruginous (partly); coarse/paleochannels or gravelly weathered basement: Minor to moderate groundwater supplies; brackish to hypersaline
- Q3 Alluvial sediments, wheel like (includes the KULCUP SANDSTONE): Minor groundwater supplies; brackish to saline
- Q4 Alluvium and lacustrine sedimentary rocks - sandstone, siltstone, shales, and basal conglomerate with paleochannels: Moderate to major groundwater supplies; brackish to hypersaline

PROTEROZOIC

- P1 Dolerite dyke: Very minor local groundwater supplies; brackish to saline
- P2 Quartz vein: Minor local groundwater supplies; brackish to saline

ARCHAIC

- A1 Gneissic rock, amphibolite to over-grained; outcrop, fresh rock (indicated by darker colour); sub/fresh, weathered to sandy clay (indicated by lighter colour); locally lateritized: Minor local groundwater supplies; brackish to saline
- A2 Gneissic gneiss, banded, weakly to strongly foliated, minor to local non-formation and granite outcrop (indicated by darker colour); sub/fresh, weathered to clay (indicated by lighter colour): Very minor local groundwater supplies; brackish to saline
- A3 Quartzite, coarse-grained and fractured: Minor groundwater supplies; brackish to saline
- A4 Banded iron-formation, metamorphosed: Minor groundwater supplies; saline

SYMBOLS

GEOLOGY

- hydrogeological boundary; inferred
- unconformity (section only)
- fault; inferred
- extent of weathering (section only)

SURFACE WATER FEATURES

- drainage; permanent, intermittent, cool
- lake; permanent, intermittent; swamp
- surface water divide
- surface water pipeline

GROUNDWATER FEATURES

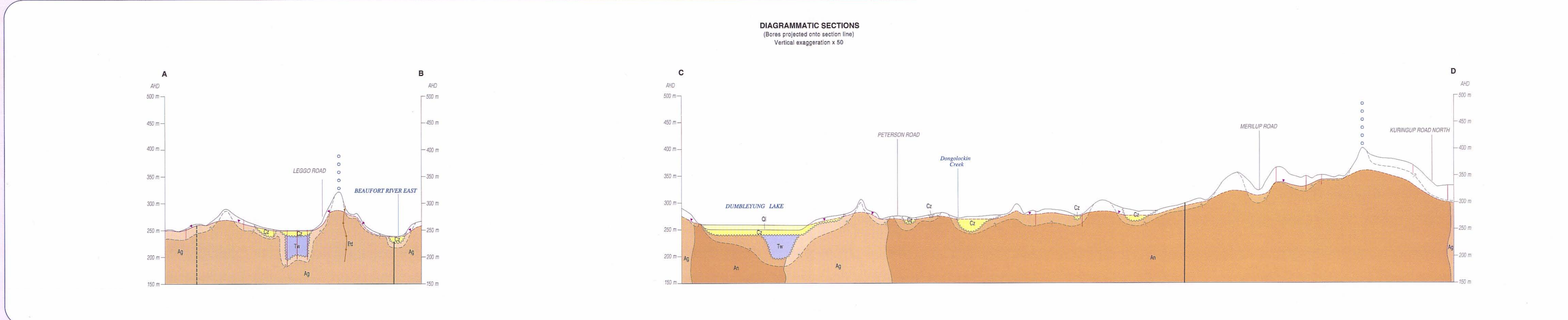
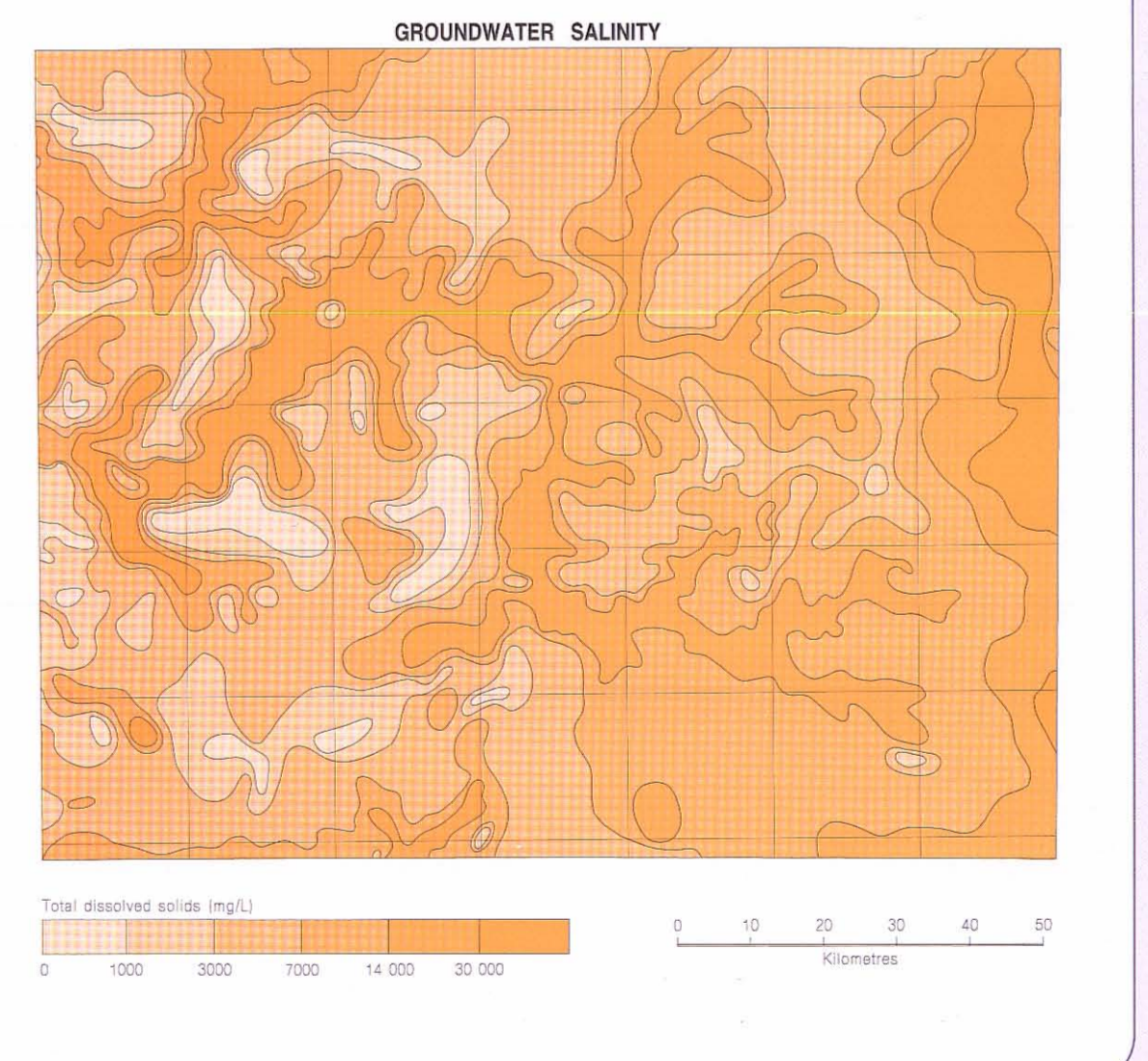
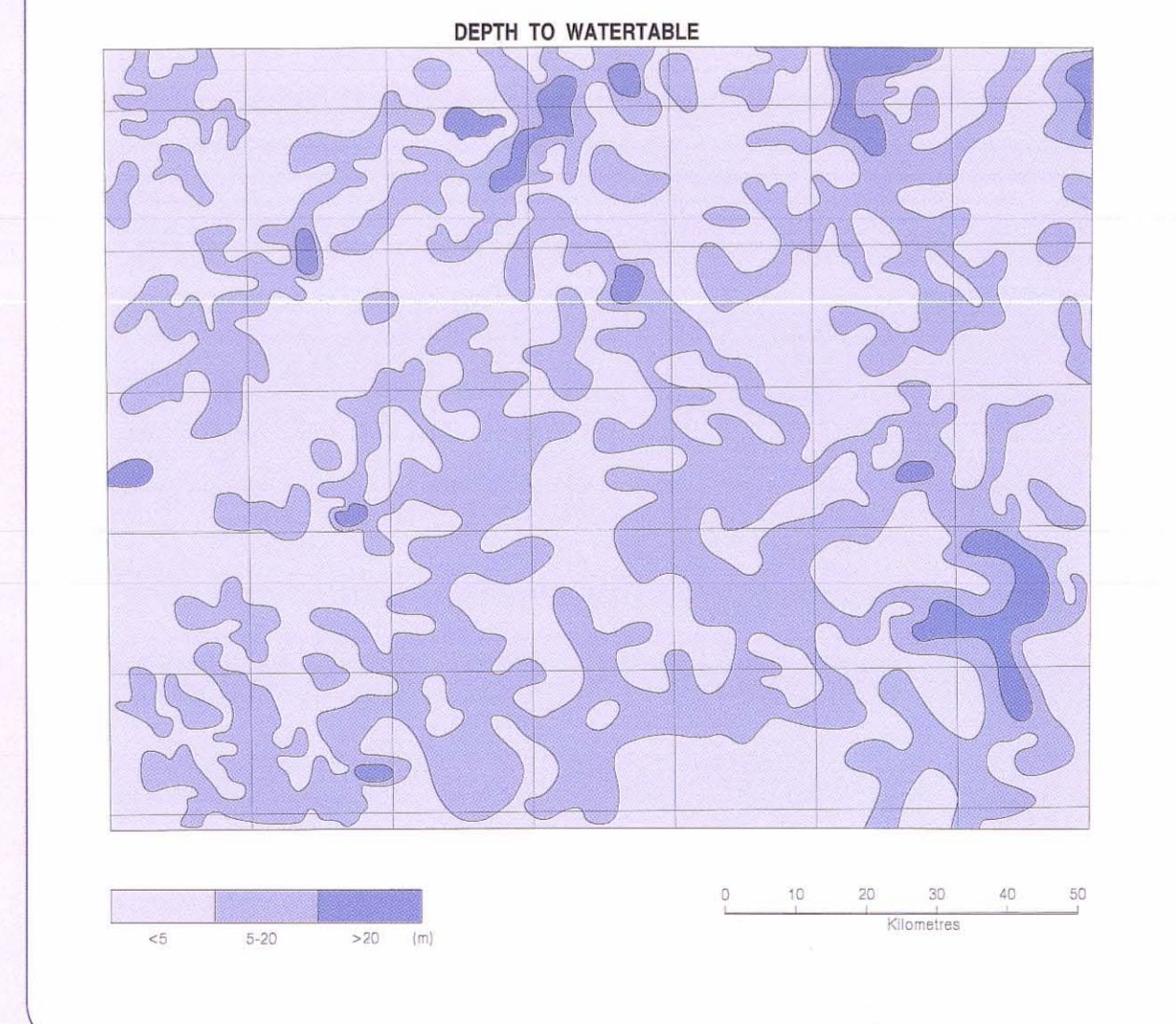
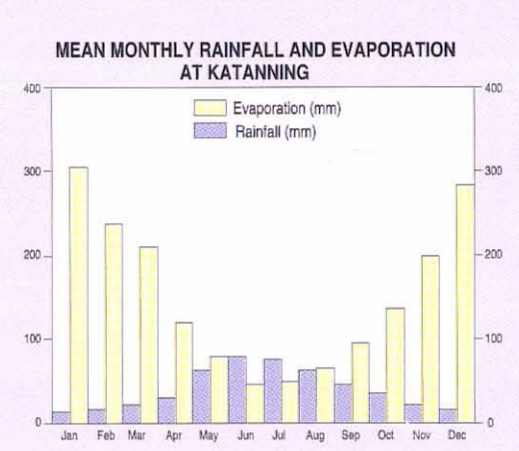
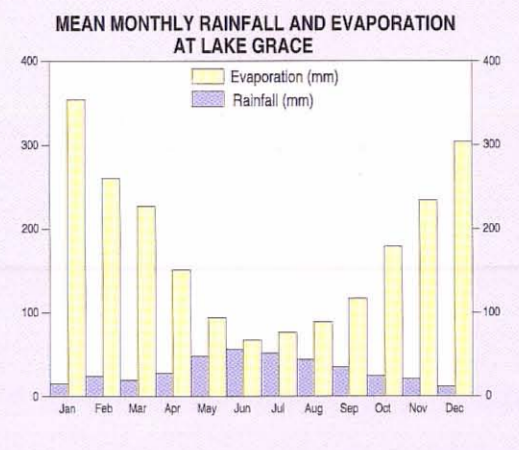
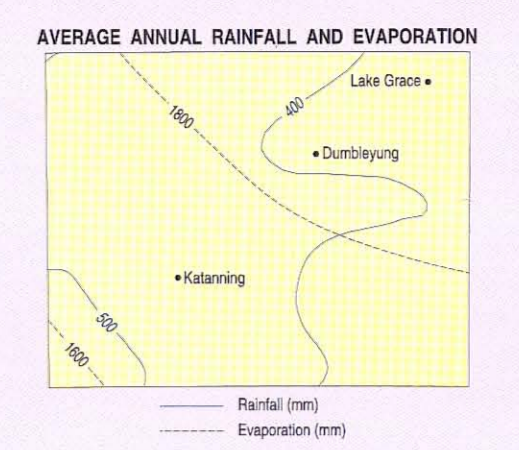
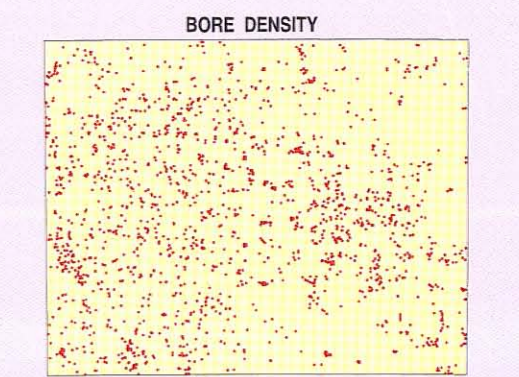
- spring
- waterable contour, chrono interval (AHC)
- waterable position contour (water only)
- isobath (mg/L TDS)

ARTIFICIAL FEATURES

- water bore; yield < 50m³/day; monitoring
- water bore abandoned; yield < 50m³/day; monitoring; dry
- well; abandoned
- excavated soil and seepage areas
- mineral exploration drillsite

TOPOCADASTRAL INFORMATION

- major road
- minor road
- track
- railway with siding
- railway abandoned
- township, population > 1000
- township, population < 1000
- locality
- topographic contour, 50 metre interval (AHC)
- horizontal and vertical control; major, minor (AHC)



SHEET INDEX

PERIBARRA SI 50-3	COMBION SI 50-3	HYDEN SI 50-4
COLLE SI 50-6	DUMBLEYUNG SI 50-7	NEVERSHAM SI 50-8
HEMBERTON SI 50-10	MOUNT BARKER SI 50-11	SUNNYSIDE SI 50-12



Hydrogeology by C.J. McCombe and L.Ye 1999
Hydrogeology compiled from S.Coley 1984, T. Mathew 1987
Geology by T.Brake and R.J. Chin 1984

Edited by D. Orogian and R. Dubaral
Cartography by S. Hodge, Water and Rivers Commission
Topography from the Department of Minerals and Energy and Department of Land Administration Sheet SI 50-7, with modifications from geological field survey

Published by the Water and Rivers Commission
Copies available from the Water and Rivers Commission,
The Hyatt Centre, 3 Park Street, East Perth, WA, 6004.
Phone (08) 8278 3000, Fax (08) 8278 0207

This map is also available in digital form.
The WRC recommends reference to this map as MCCOMBE, C.J., and YE, L., 1999
Dumbelyung, W.A. Sheet SI 50-7 Western Australia, Water and Rivers Commission,
1:250 000 Hydrogeological Series

GOVERNMENT OF WESTERN AUSTRALIA
MINISTER FOR WATER RESOURCES

WATER AND RIVERS COMMISSION
R. FAYNE
CHIEF EXECUTIVE OFFICER

SCALE 1: 250 000

TRANSVERSE MERCATOR PROJECTION
Grid lines indicate 20 000 metre intervals of the Australian Map Grid Zone 50

1:250 000 HYDROGEOLOGICAL SERIES
DUMBLEYUNG
SHEET SI 50-7
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