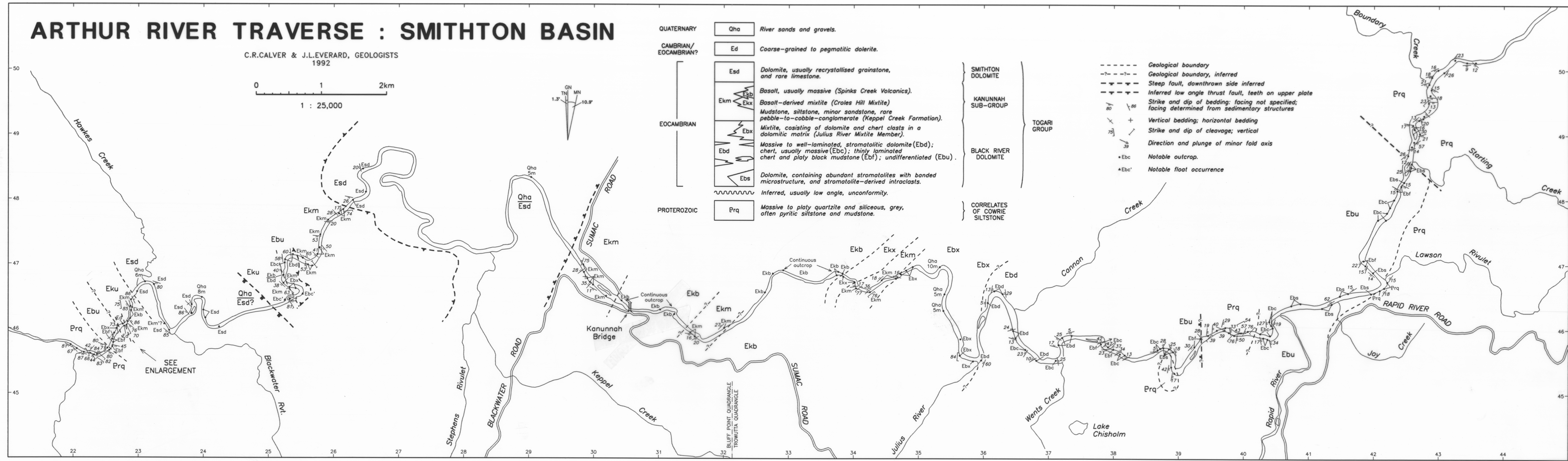
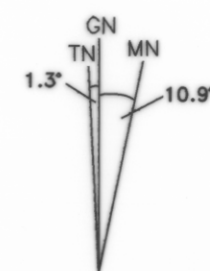
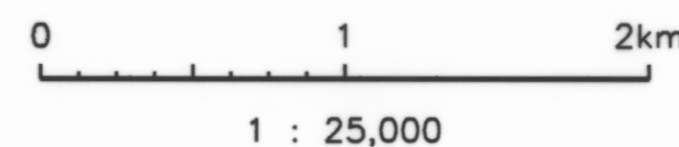


ARTHUR RIVER TRAVERSE : SMITHTON BASIN

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1992



QUATERNARY
CAMBRIAN/
EOCAMBRIAN?
EOCAMBRIAN
PROTEROZOIC

- Qha** River sands and gravels.
- Ed** Coarse-grained to pegmatitic dolerite.
- Esd** Dolomite, usually recrystallised grainstone, and rare limestone.
- Ekd** Basalt, usually massive (Spinks Creek Volcanics).
- Ekm** Basalt-derived mixtite (Croles Hill Mixtite)
- Ekb** Mudstone, siltstone, minor sandstone, rare pebble-to-cobble-conglomerate (Keppel Creek Formation).
- Ebx** Mixtite, consisting of dolomite and chert clasts in a dolomitic matrix (Julius River Mixtite Member).
- Ebd** Massive to well-laminated, stromatolitic dolomite (Ebd); chert, usually massive (Ebc); thinly laminated chert and platy black mudstone (Ebf); undifferentiated (Ebu).
- Ebs** Dolomite, containing abundant stromatolites with banded microstructure, and stromatolite-derived intraclasts.
- Ebu** Inferred, usually low angle, unconformity.
- Prq** Massive to platy quartzite and siliceous, grey, often pyritic siltstone and mudstone.

SMITHTON DOLOMITE
KANUNNAH SUB-GROUP
TOGARI GROUP
BLACK RIVER DOLOMITE
CORRELATES OF COWRIE SILTSTONE

- Geological boundary
- - - - - Geological boundary, inferred
- Steep fault, downthrown side inferred
- - - - - Inferred low angle thrust fault, teeth on upper plate
- Strike and dip of bedding: facing not specified; facing determined from sedimentary structures
- Vertical bedding; horizontal bedding
- Strike and dip of cleavage; vertical
- Direction and plunge of minor fold axis
- Ebc Notable outcrop.
- ▲ Ebc' Notable float occurrence

FIGURE NO. ARTHUR RIVER TRAVERSE:SMITHTON BASIN
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