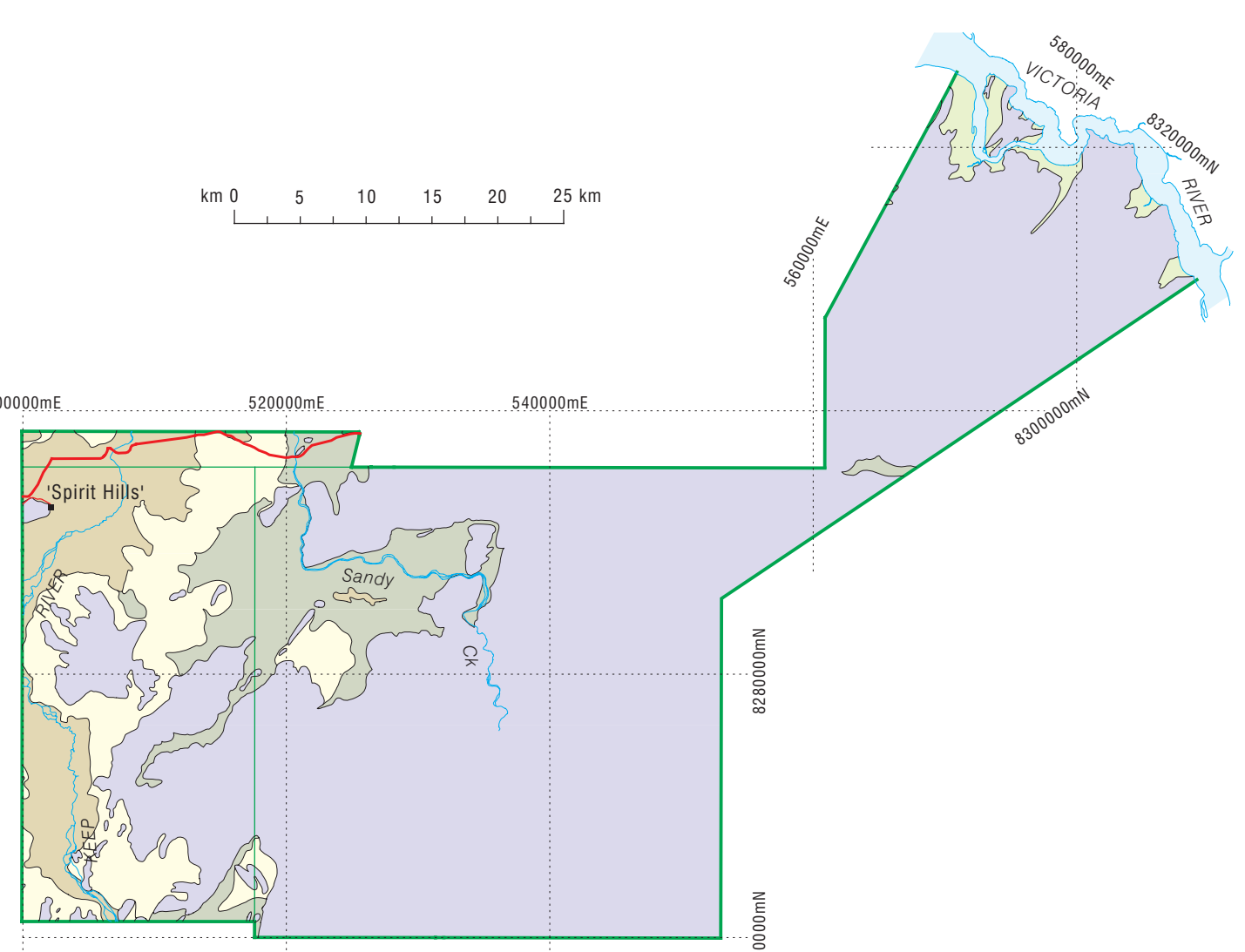


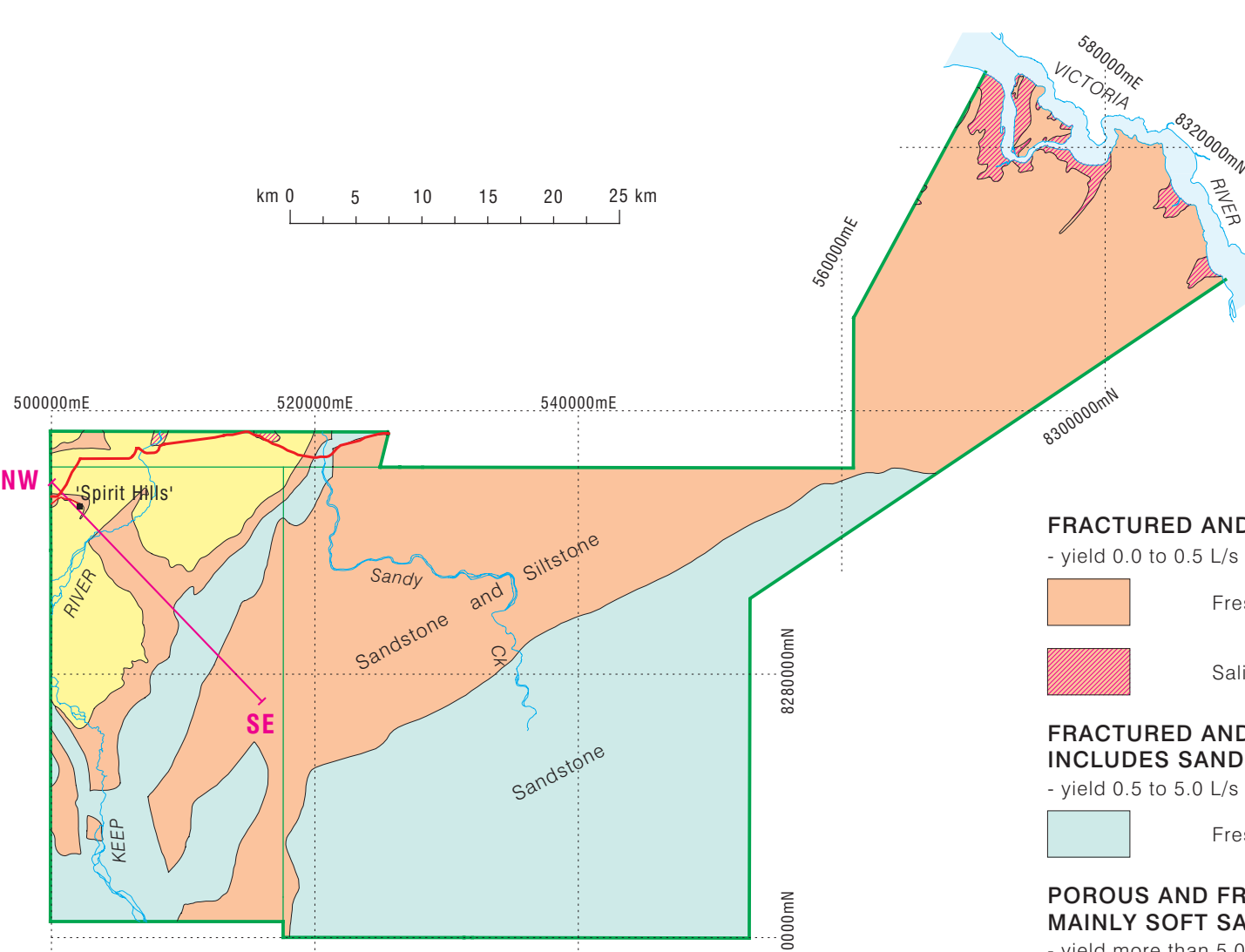
SURFACE WATER RESOURCES MAP



DESCRIPTION

	Mostly flat alluvial plains with cracking clay soils. Surface runoff moderate to high. Surface water storage development is economically feasible where subsoil is suitable.
	Gently sloping alluvial plains with leached loamy and sandy soils. Surface runoff moderate. Surface water storage development is feasible where sub soil is suitable.
	Gently undulating country on sandstone with colluvium and sandy soils. Surface runoff low to moderate. Surface water storage development would depend on the sub soil strata and may not be possible or economically feasible.
	Estuarine alluvial plains with saline soils, and mud. Surface water storage development is not recommended.
	Hilly country with ridges, rock outcrop and skeletal soils. Surface water runoff high. Surface water storage development is not economical. However, development of springs may be feasible. Also at the base of the escarpments, development of hillside storages may be feasible.

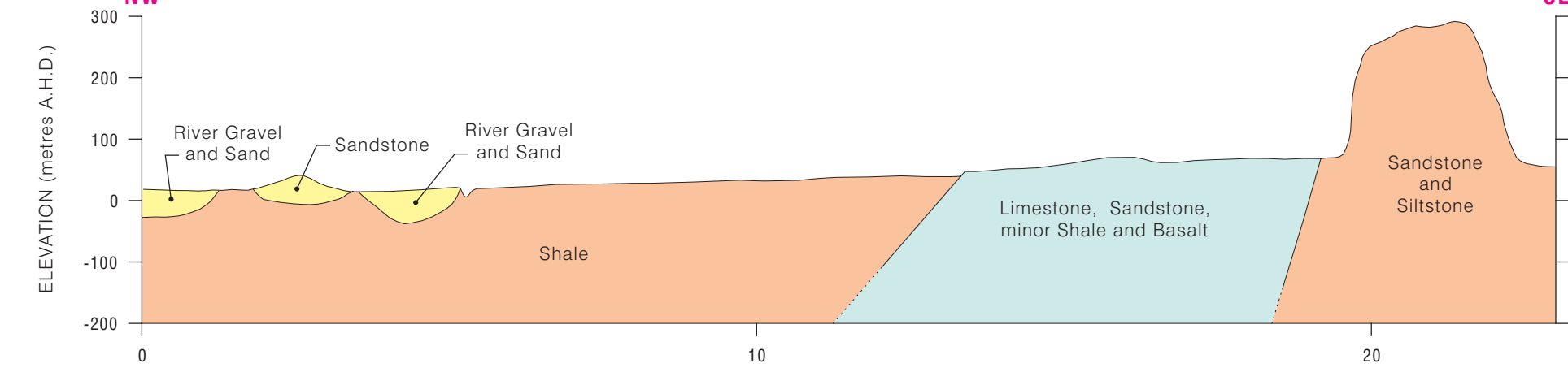
GROUNDWATER RESOURCES MAP



HYDROGEOLOGY

- FRACTURED AND WEATHERED ROCKS - LOCAL AQUIFERS**
- yield 0.0 to 0.5 L/s
- Fresh to brackish water
- Saline water
- FRACTURED AND WEATHERED ROCKS - LOCAL AQUIFERS INCLUDES SANDSTONE AND CAVERNOUS LIMESTONE**
- yield 0.5 to 5.0 L/s
- Fresh water
- POROUS AND FRACTURED ROCKS - WIDESPREAD AQUIFERS MAINLY SOFT SANDSTONE**
- yield more than 5.0 L/s
- Fresh water
- Saline water
- Line of cross-section (see also main map)

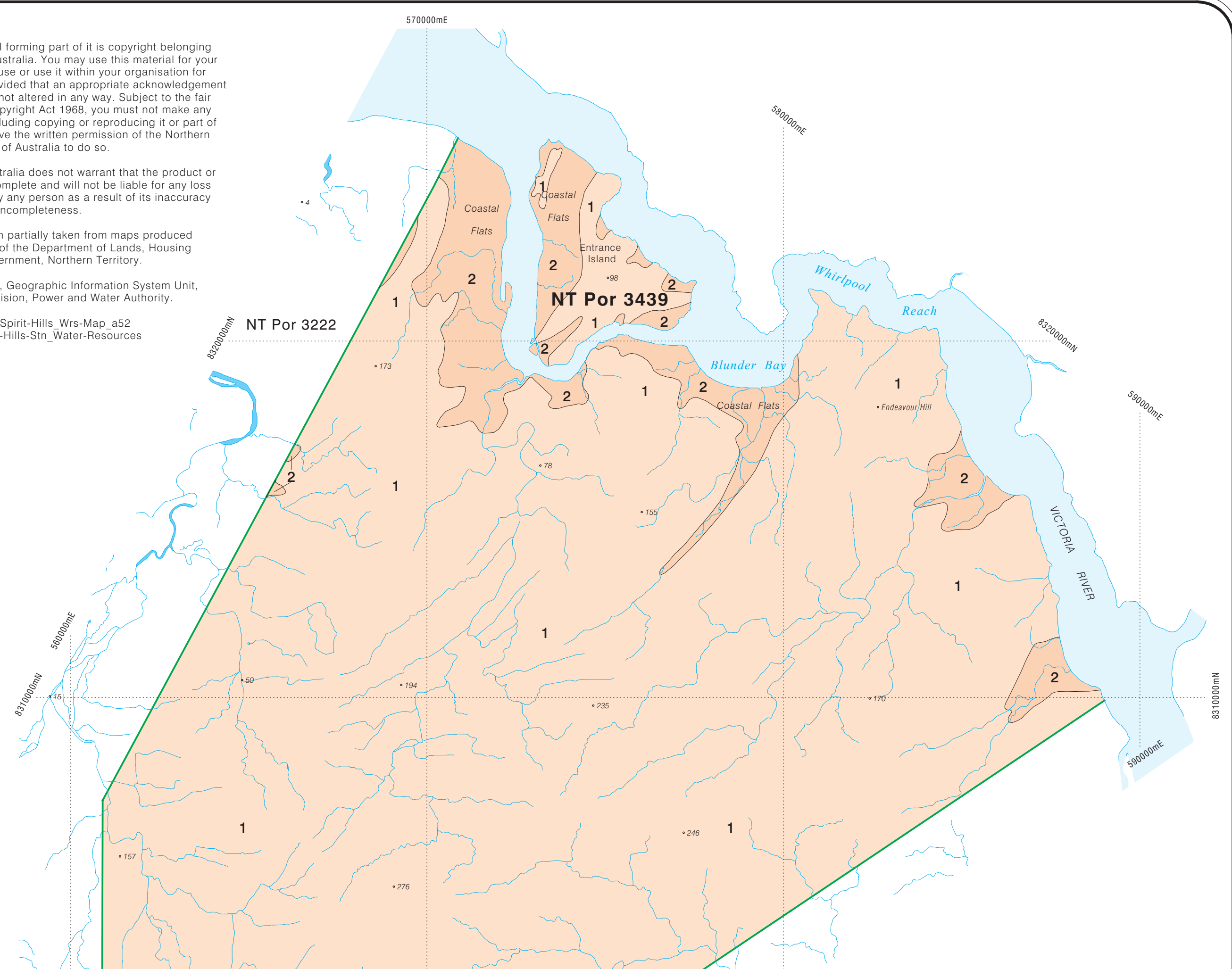
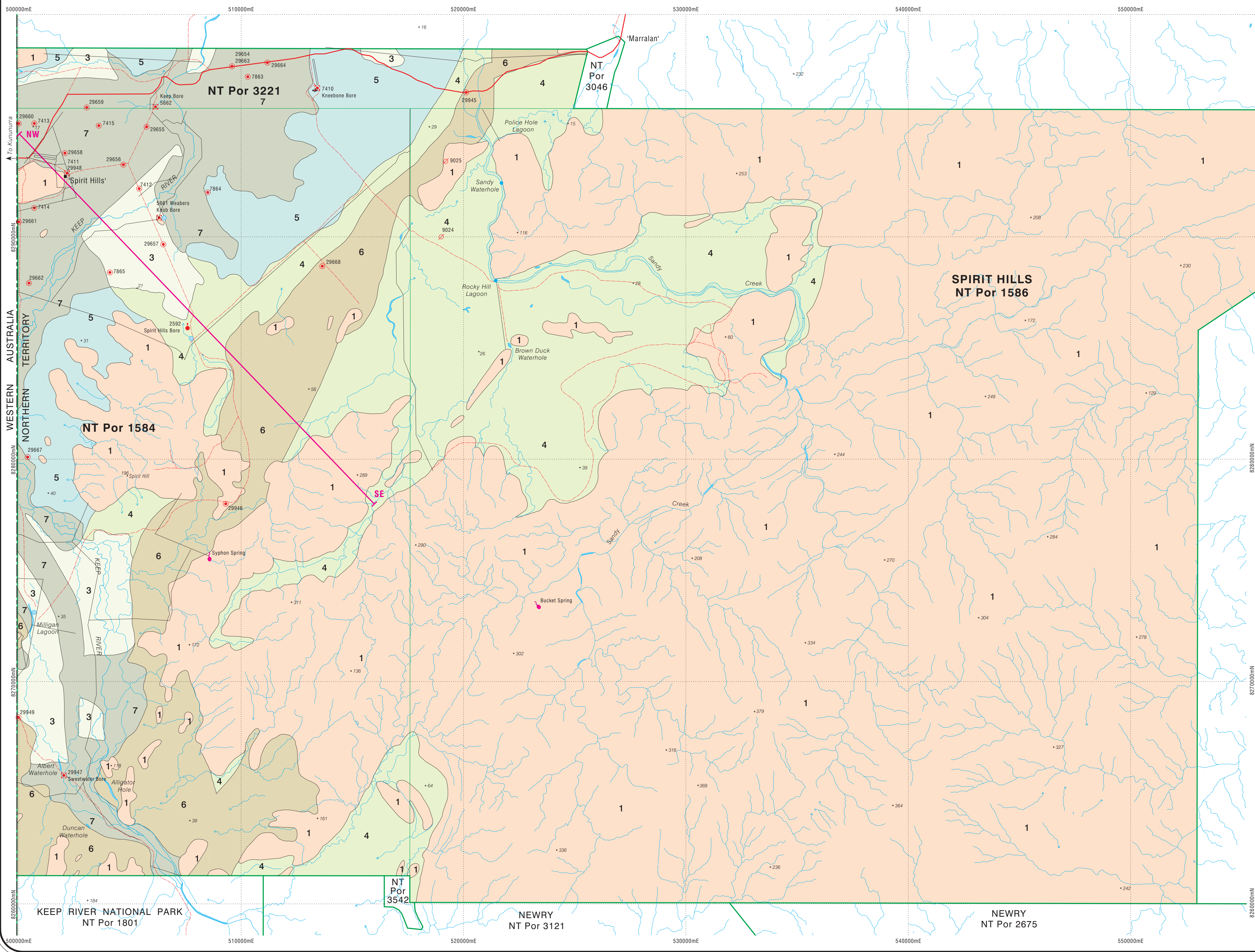
DIAGRAMMATIC SECTION NW-SE



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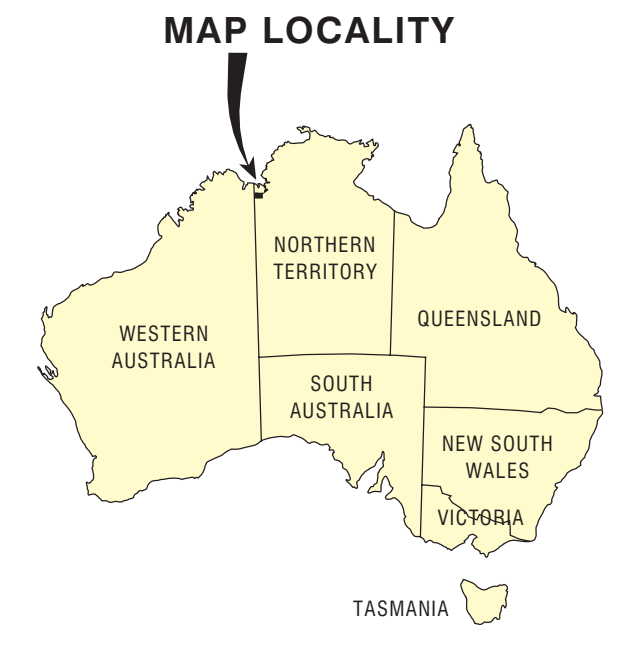
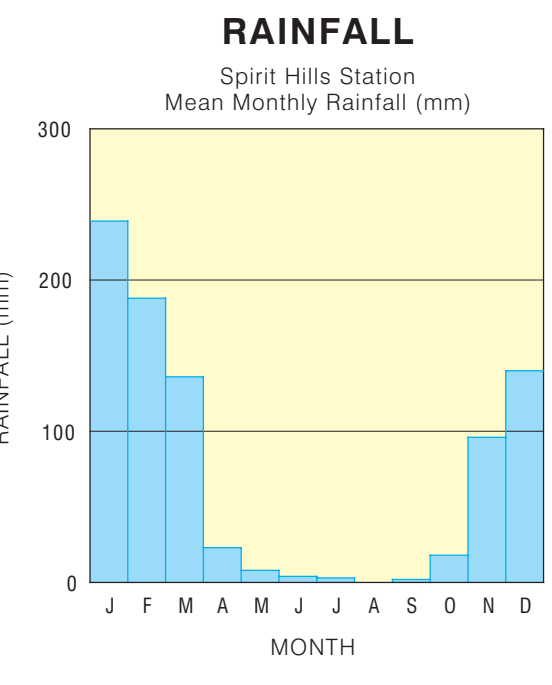
Infrastructure information partially taken from maps produced by the Pastoral Branch of the Department of Lands, Housing and Local Government, Northern Territory.
Cartography by L. J. Fritz, Geographic Information System Unit, Water Resources Division, Power and Water Authority.
Design File: Spirit-Hills_Wrs-Map_a52
Plot File: Spirit-Hills-Stn_Water-Resources



Map compiled by S. Tickell and L. R. Rajaratnam, Water Resources Division, Power and Water Authority, from base maps of the Australian Geological Survey Organisation, Canberra, Australian Capital Territory, and satellite imagery.
Project co-ordination by P. Jolly, Water Resources Division, Power and Water Authority.
Published and available from Water Resources Division, Power and Water Authority, 8 Cavenagh Street, Darwin, Northern Territory, 1994.

LEGEND

- 2 Development boundary
- 2 Development option number
- 2 Abandoned bore
- 2 Capped or investigation bore
- 2 Equipped bore
- 2 Flowing bore
- 2 Registered name of bore
- 2 Keep Bore
- 2 Name of bore
- 2 Turkey nest dam
- 2 Pipeline
- 2 Ephemeral watercourse
- 2 Waterhole/billabong
- 2 Major road
- 2 Track
- 2 Building/s
- 2 Landing ground
- 2 Fence
- 2 Spot elevation - m A.M.D.
- 2 Cadastral boundary
- 2 Slate boundary



INDEX TO 1 : 100000 MAP SHEETS

TURTLE POINT 4768	KEYLING 4968	FITZMAURICE 4968
LEGUNE 4767	NEWRY 4567	MILLIK MONNER 4967
KEEP 4766	PINKERTON 4866	AUVERGNE 4966

Black Numbered Lines are 100000 Metre Intervals of the Australian Map Grid, Zone 52
Horizontal Datum : AGD 66 Vertical Datum : Australian Height Datum
Projection : Universal Transverse Mercator

WATER RESOURCES DEVELOPMENT OPTIONS

PREFERRED OPTION	DESCRIPTION
1	Piping from natural waterholes where present
2	Unsuitable
3	Surface water storage or piping from waterholes or remote bores
4	Surface water storage or piping from waterholes or remote bores
5	Groundwater
6	Surface water or groundwater
7	Surface water or groundwater



WATER RESOURCES DEVELOPMENT MAP OF SPIRIT HILLS STATION

