

By V.J.Neldner



SCALE 1:25 000



TRANSVERSE MERCATOR PROJECTION  
GREY NUMBERED GRID TICKS ARE 100 METRE INTERVALS  
OF THE AUSTRALIAN MAP GRID, ZONE 56.  
GRID VALUES ARE SHOWN IN FULL ONLY AT THE SOUTH WEST CORNER OF THE MAP.

INTENSITY STATEMENT  
This is a high intensity vegetation survey. It is based on aerial  
photograph interpretation with continuous observations along traverses.  
Reference sites of the order of 1 site to an area of up to 70 ha were taken.

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Drawn by M.J.Bryant

REFERENCE

- 1 *Callistemon viminalis*, *Melaleuca linariifolia* ± *Eucalyptus tereticornis*, *Casuarina cunninghamiana* ± rainforest species closed-forest to low open-forest fringing major streams. On uniform alluvial soils on creek alluvium.
- 2 *Melaleuca bracteata*, *Casuarina cunninghamiana* open-forest to low open-forest lining minor streams. On shallow alluvial soils overlying andesite and rhyolite rocks.
- 3 Mixed softwood species low closed-forest to low open-forest. On shallow, stony, brown clays on rocky basalt outcrops.
- 4 *Acacia harpophylla* ± softwood species open-forest to woodland. On strongly gilgated, hard setting to weakly self mulching, grey clays on old, high lying alluvial plains.
- 5 *Eucalyptus tereticornis* open-forest to woodland. On dark, brown or grey clays on level to gently undulating plains of creek or local alluvium.
- 6 *Eucalyptus tereticornis*, *E. tessellaris* woodland. On uniform sands to sandy loams on low lying terraces and benches of creek alluvium.
- 7 *Eucalyptus crebra*, *E. dichromophloia* ± *Acacia* species woodland to open-forest. On shallow, brown, red, grey or dark, uniform clays or clay loams on andesite hillslopes and hillslopes.
- 8 *Eucalyptus crebra*, *E. maculata* woodland to open-forest (*E. maculata* locally dominant). On shallow, acidic, coarse textured soils on rhyolite hillslopes and hillslopes.
- 9 *Eucalyptus crebra*, *Alphitonia excelsa*, *Acacia decora* ± *E. dichromophloia* woodland to open-forest. On shallow, acidic, uniform coarse sands on granite hillslopes and hillslopes.
- 10 *Eucalyptus dichromophloia* ± *E. melanophloia* woodland. On shallow, stony, brown or dark, clays to clay loams on basalt hillslopes and hillslopes.
- 11 *Eucalyptus melanophloia*, *E. dichromophloia* ± *Acacia bidwillii* woodland to open-forest. On deep, alkaline, moderately to strongly self mulching brown or dark, clays on basalt pediments.
- 12 *Eucalyptus melanophloia*, *E. tessellaris* woodland. On alkaline to neutral, dark or brown, uniform clay loams on low lying, gently undulating plains of creek alluvium.
- 13 *Eucalyptus populnea* woodland to open-forest. On brown or dark, duplex soils on andesite pediments.
- 14 *Eucalyptus populnea* ± *E. melanophloia* ± *E. polycarpa* ± *E. crebra* woodland. On alkaline, brown or grey, duplex soils on level to gently undulating, high lying alluvial plains.
- 15 *Eucalyptus crebra*, *E. polycarpa*, *E. tessellaris* ± *Grevillea striata* ± *E. tereticornis* woodland to open-forest. On neutral to acidic, uniform sandy loams or alkaline, brown, grey or red, duplex soils with shallow, sandy clay loam A horizons on granite, rhyolite or andesite pediments.

GENERAL NOTES

- 1. Nomenclature of structural formations follows Specht (1981).
- 2. ± means with or without.
- 3. , means both species are always present, with the first contributing more to the overall biomass.

If two vegetation units make a major contribution in a mapping unit, the component vegetation units are indicated.  
e.g. 15<sub>7</sub> means a complex of 15 and 7, with 15 being dominant.

PROFILE DIAGRAM REFERENCE

- Holocene creek alluvium. Buffel soil unit-Um6.32, Uf6.32, Um6.31.
- Holocene creek alluvium. Bench soil unit-Uc1.23, Uc1.24, Uc1.43, Uc1.44.
- Pleistocene creek alluvium. Airstrip and Barambah soil units-Db2.33, Db1.33, Dy3.43, Db2.43, Dd1.33, Ug5.15, Ug5.25, Ug5.16, Ug5.29, Ug5.34.
- Quaternary local alluvium. Tel El Kabir soil unit-Ug5.15, Ug5.34.
- Tertiary alluvium. Brigalow Flat soil unit-Ug5.24, Ug5.16.
- Tertiary basalt. Nursery and Graham soil units-Ug5.32, Ug5.13, Ug5.12, Ug5.15, Ug5.34.
- Tertiary basalt. Mount Bambling soil unit-Ug5.32, Ug5.12, Um6.21.
- Triassic andesite. Weaner soil unit-Uf6.31, Uf6.32, Uf6.12, Uf6.1, Dr2.42, Dr2.22, Dy3.42.
- Triassic andesite. Ban Ban soil unit-Uf6.31, Ug5.34, Uf6.32, Ug5.32, Ug5.15.
- Triassic andesite. Brown soil unit-Db1.33, Db2.43, Dd1.33, Dy3.43, Dd1.13, Dd2.43, Db2.33.
- Triassic rhyolite. Back Creek and Ladies Mile soil units-Uc2.12, Uc2.21, Um3.12, Dy3.41, Db1.32, Dy2.42.

LEGEND

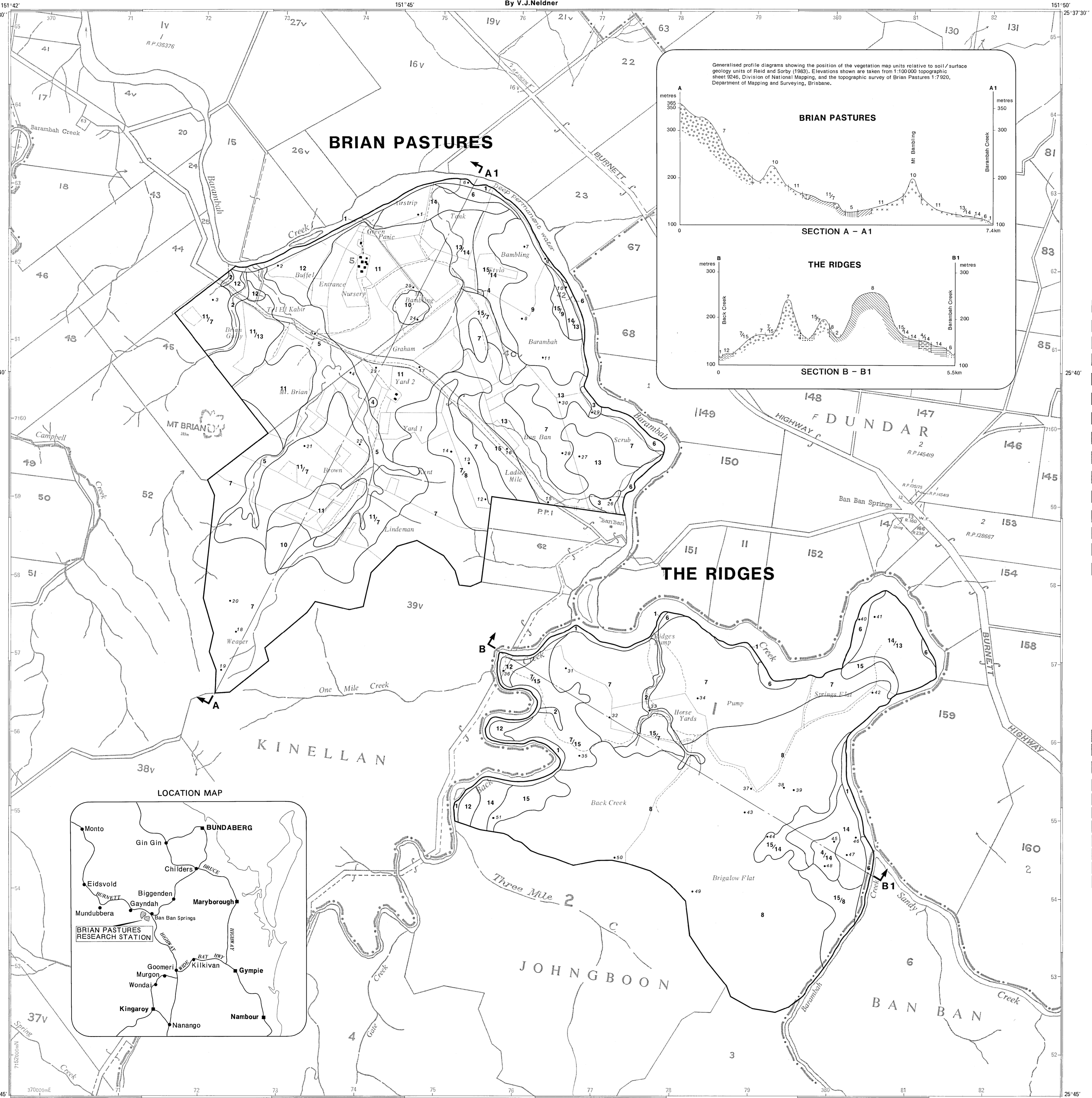
- Research Station Boundary
- Access track
- Reference sites
- Buildings
- Paddock name and fence

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CARTOGRAPHY by M.J. Bryant, Land Resources Branch, Queensland Department of Primary Industries.

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