

**BILOELA RESEARCH STATION
(Original Survey)
REFERENCE**

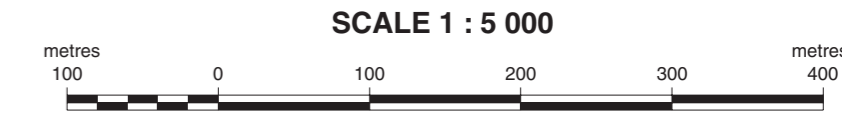
Mapping Unit	Major Attributes of Dominant Soil	Great Soil Group*	Principal Profile Form	Area (ha)
SOILS OF THE VERY GENTLY UNDULATING LEVEES				
Ho	Grey, brown or dark gradational soils with hardsetting surfaces and neutral to alkaline soil reaction trend; sand evident in A and B horizons; buried horizons occur below 400mm depth	No suitable group and minimal prairie soil	Gn2.82, Gn2.83 Gn2.43, Gn3.42 Gn3.43, Gn2.03	10.3
Cd	Dark non-cracking clays, duplex soils or gradational soils with hardsetting surfaces or surface crusts; neutral to alkaline soil reaction trend; fine sand or sand evident in A and B horizons; buried horizons occur below 300mm depth	No suitable group and prairie soil	Uf6.32, Dd1.13, Dd2.12, Gn3.42, Uf6.42	114.5
Wi	Dark, self-mulching cracking clays with neutral to alkaline soil reaction trend; buried horizons occur below 550mm depth	Black earth	Ug5.16, Ug5.17, Ug5.1	15.7
SOILS OF THE INTERVENING ALLUVIAL FLATS AND DRAINAGE DEPRESSIONS				
Mt	Dark non-cracking clays with surface crusts and neutral to alkaline soil reaction trend; buried horizons occur below 450mm depth	No suitable group	Uf6.32	50.0
Tn	Dark, self-mulching cracking and non-cracking clays with neutral to alkaline soil reaction trend; buried horizons occur below 650mm depth	Black earth and no suitable group	Ug5.15, Ug5.15, Ug5.17, Ug5.1, Uf6.32	28.3
Cn	Dark non-cracking clays with surface crusts and acid to alkaline soil reaction trend; fine sand or sand may be evident in A and B horizons; buried horizons occur below 500mm depth	No suitable group	Uf6.32, Uf6.41	16.5
SOILS OF THE GENTLY UNDULATING RISES				
Ms	Miscellaneous Shallow, stoney, non-cracking clays with acid to neutral soil reaction trend	No suitable group	Uf6.31, Uf4.41	10.7

* After Stace *et al.* (1968) 'A Handbook of Australian Soils'

ORIGINAL SURVEY by P.G. Shields, Land Resources Branch, Queensland Department of Primary Industries.



**BILOELA RESEARCH STATION
SOILS**



Projection: Universal Transverse Mercator (MGA Zone56)
Horizontal Datum: GEOCENTRIC DATUM OF AUSTRALIA (GDA94)
Note: This map is GDA94 compliant

INTENSITY STATEMENT
This is a very high intensity soil survey. It is based on aerial photograph interpretation and ground observations of the order of one observation to an area of 1 - 2ha except for miscellaneous soils which have a frequency of one observation to an area of 6ha.

BASE MAP compiled from the Digital Cadastral Data Base (1995), supplied by the Department of Natural Resources, Brisbane.

CARTOGRAPHY by John Myers, Department of Natural Resources, Indooroopilly Sciences Centre, Brisbane.

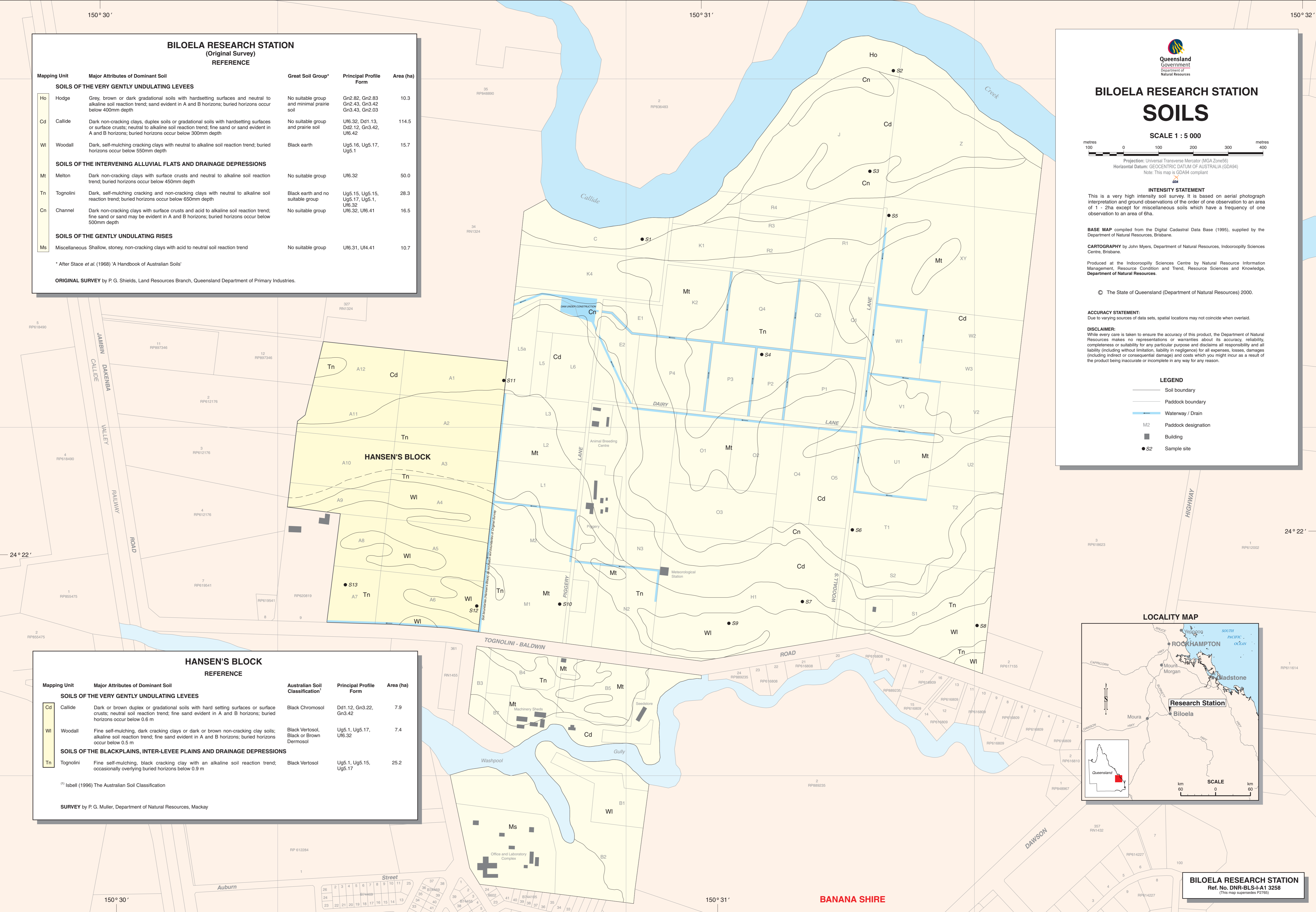
Produced at the Indooroopilly Sciences Centre by Natural Resource Information Management, Resource Condition and Trend, Resource Sciences and Knowledge, Department of Natural Resources.

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ACCURACY STATEMENT:
Due to varying sources of data sets, spatial locations may not coincide when overlaid.

DISCLAIMER:
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- LEGEND**
- Soil boundary
 - Paddock boundary
 - Waterway / Drain
 - M2 Paddock designation
 - Building
 - S2 Sample site



**HANSEN'S BLOCK
REFERENCE**

Mapping Unit	Major Attributes of Dominant Soil	Australian Soil Classification ⁽¹⁾	Principal Profile Form	Area (ha)
SOILS OF THE VERY GENTLY UNDULATING LEVEES				
Cd	Dark or brown duplex or gradational soils with hard setting surfaces or surface crusts; neutral soil reaction trend; fine sand evident in A and B horizons; buried horizons occur below 0.6 m	Black Chromosol	Dd1.12, Gn3.22, Gn3.42	7.9
Wi	Fine self-mulching, dark cracking clays or dark or brown non-cracking clay soils; alkaline soil reaction trend; fine sand evident in A and B horizons; buried horizons occur below 0.5 m	Black Vertosol, Black or Brown Dermosol	Ug5.1, Ug5.17, Uf6.32	7.4
SOILS OF THE BLACKPLAINS, INTER-LEVEE PLAINS AND DRAINAGE DEPRESSIONS				
Tn	Fine self-mulching, black cracking clay with an alkaline soil reaction trend; occasionally overlying buried horizons below 0.9 m	Black Vertosol	Ug5.1, Ug5.15, Ug5.17	25.2

⁽¹⁾ Isbell (1996) The Australian Soil Classification

SURVEY by P.G. Muller, Department of Natural Resources, Mackay



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(This map supersedes P2785)

BANANA SHIRE