



QUEENSLAND
DEPARTMENT OF PRIMARY INDUSTRIES
BASALTIC SCRUB SOILS STUDY AREA
LINTHORPE-DARLING DOWNS

SCALE 1:25 000
METRES 1000 500 0 1 2 KILOMETRES

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
100 000 METRE AUSTRALIAN MAP GRID, ZONE 58
GRID VALUES SHOWN IN FULL AT SOUTH WEST CORNER OF MAP
ELEVATIONS IN FEET ON STATE DATUM
CARTOGRAPHY BY P.ZANDE

SOIL ASSOCIATIONS
LEGEND

- SHALLOW SOILS**
KENMUIR FAMILY
- Very shallow to shallow, stony, brownish-black, and dark brown to dark reddish-brown loam to clay loam soils over weathered basalt.
 - KENMUIR - BEAUARABA**
 Very shallow to shallow, stony, brownish-black, and dark brown to dark reddish-brown loams; and very shallow to shallow brownish-black to dark brown, structured heavy clay soils over basalt.
 - KENMUIR - MALLARD**
 Very shallow, stony, brownish-black to brown clay loam soils, and shallow brownish-black clay loams over mottled, red and reddish-brown gravelly clay subsols over basalt.
 - KENMUIR - SOUTHBROOK**
 Very shallow, stony, brownish-black to brown clay loam soils, and shallow stony dark reddish-brown clay loams with mottled red and reddish-brown stone-free clay subsols.
- SEDENTARY SOILS**
DARK GROUP
- BEAUARABA - PURRAWUNDA**
 Shallow to moderately deep, brownish-black to dark reddish-brown heavy clay soils over basalt; generally stone-free through the profile.
 - BEAUARABA - CHARLTON**
 Very shallow to shallow, brownish-black to dark reddish-brown and black to brownish-black, coarse structured heavy clay soils over basalt.
- RED GROUP**
BURTON
- Deep, reddish-brown clay loam to light clay overlying red to reddish-brown finely structured subsoil.
- TYPE 7 and MISCELLANEOUS RED SOILS**
- Shallow to moderately deep, dark reddish-brown coarse structured clay over red to reddish-brown heavy clay overlying baked kaolinized clays.
- TYPE 8**
- Shallow to moderately deep brownish-black clay loam over red to reddish-brown clay becoming yellowish-red with depth; over basalt.
- COLLUVIAL SOILS**
IRVING - PURRAWUNDA
- Shallow to deep, brownish-black to dark brown heavy clays overlying reddish-brown alkaline subsoil; linear gilgai strongly developed in the deeper phase; and shallow to moderately deep, brownish-black to dark reddish-brown heavy clay soils over basalt.
 - IRVING - PURRAWUNDA (BOULDERY PHASE)**
 Shallow to moderately deep, brownish-black to dark brown heavy clays over reddish-brown alkaline subsoil; generally on plateau-like areas; with incipient gilgai, and large boulders throughout the profile.
 - CRAIGMORE - CHARLTON**
 Moderately deep to deep, coarse structured, black to brownish-black heavy clays overlying yellowish-brown to brown alkaline subsols, with linear gilgai; and shallow, coarse structured, black to brownish-black heavy clays overlying basalt.
- ALLUVIAL SOILS**
WACO
- Deep to very deep dark brownish-black heavy clays, grading through brown into mottled brown and yellowish-brown clays; gilgaid; may overly deep yellowish-brown clays or weathered basalt.
- MISCELLANEOUS CALCAREOUS**
- Includes Miscellaneous Groups 3 and 4, and highly calcareous soils frequently in the lower drainage areas.
- UNSPECIFIED ALLUVIUM**
- Recent, brown to reddish-brown undifferentiated alluvium, generally in the upper reaches of drainage lines.

Catchment boundary
 Contour in feet (Contour interval 50 feet)

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