

DIVISION OF LAND RESEARCH
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION
DAWSON-FITZROY AREA - QUEENSLAND, AUSTRALIA
LAND SYSTEMS
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REFERENCE

MOUNTAINS
G **Gelobera (340 sq miles).** Mountains and hills mainly on dipping Upper Palaeozoic volcanic rocks; very shallow, undifferentiated soils and texture-contrast soils; wet sclerophyll forest; sparse forest grass.
Hm **Hillmore (390 sq miles).** Hills on dipping Upper Palaeozoic volcanics; very shallow undifferentiated soils; shrub woodland; eastern mid-height grass.
Co **Carborough (380 sq miles).** Rocky mountains and hills, formed on flat-lying or gently dipping Mesozoic sandstones; outcrop and very shallow undifferentiated soils; sandstone forest; forest grass.

DEEPLY DISSECTED TABLELANDS
N **Nathan (140 sq miles).** Dissected tablelands of flat-lying Mesozoic sandstone, outcrop, very shallow undifferentiated and texture-contrast soils; sandstone forest and high forest; forest grass.
Do **Doonunga (500 sq miles).** Dissected tablelands of flat-lying Mesozoic sandstone; outcrop, very shallow undifferentiated and texture-contrast soils; sandstone forest and high forest; forest grass.

HILLS
Eucalypt forests
Ra **Range (60 sq miles).** Sandstone ridges and dissected Tertiary weathered surface; outcrop, and red earths and texture-contrast soils; sandstone forest and shrub woodland; forest grass and three-awn grass.
Y **Yebba (230 sq miles).** Hills on flat-lying Mesozoic sandstone; deep texture-contrast soils and very shallow undifferentiated soils; high forest and grassy woodlands; forest and eastern mid-height grass.
S **Surprise (290 sq miles).** Hills with extensive lower slopes on Mesozoic rocks; outcrop and forest/low texture-contrast soils; high forest and grassy woodland; forest grass and eastern mid-height grass.

Woodlands
Eastern mid-height grass
Bm **Boomer (460 sq miles).** Hills on dipping Upper Palaeozoic sedimentary and volcanic rocks; very shallow texture-contrast soils; grassy woodlands; eastern mid-height grass.
I **Irvine (340 sq miles).** Hills on granitic and volcanic rocks; texture-contrast soils, and outcrop and very shallow undifferentiated soils; grassy woodlands; eastern mid-height grass.

Softwood scrub
Mf **Malakoff (300 sq miles).** Hills on dipping Upper Palaeozoic sedimentary or volcanic rocks; very shallow undifferentiated and shallow to deep texture-contrast soils; softwood scrub and rosewood forest.
Wb **Womblesbank (150 sq miles).** Hills on gently dipping Mesozoic shale and sandstone; dark brown and grey-brown clay and texture-contrast soils; softwood and brigalow scrub; scrub grass and eastern mid-height grass.

Womblesbank (150 sq miles). Hills on gently dipping Mesozoic shale and sandstone; dark brown and grey-brown clay and texture-contrast soils; softwood and brigalow scrub; scrub grass and eastern mid-height grass.
Td **Toonda (320 sq miles).** Hills on dipping Upper Palaeozoic volcanics and extensive colluvial-alluvial slopes; dark brown and grey-brown clay; softwood scrub; scrub grass and eastern mid-height grass.

Nearra (100 sq miles). Hills and dissected tablelands on flat-lying Jurassic rocks; shallow texture-contrast soils and cracking clays; high forest and softwood and brigalow scrubs; scrub and forest grass.
Mh **Mundell (130 sq miles).** Hills and dissected tablelands on flat-lying Jurassic shale and sandstone; dark brown and grey-brown clay and cracking clays; softwood and brigalow scrubs; scrub grass.

Lawli (190 sq miles). Partially dissected tablelands on Tertiary basalt; dark brown and grey-brown clay and very shallow undifferentiated soils; softwood scrub; scrub grass.

Oakleigh (380 sq miles). Low hills and undulating plains on subhorizontal Cretaceous sandstone; dark brown and grey-brown clay, cracking clays, texture-contrast soils; softwood and brigalow scrubs and high forest.

Redrange (300 sq miles). Low hills and undulating plains on subhorizontal Mesozoic shale and sandstone; dark brown and grey-brown clay and cracking clays; softwood scrub; scrub grass.

TABLELANDS AND PLAINS
Du **Dunlop (620 sq miles).** Closely dissected low tablelands on lateritized Tertiary sedimentary rocks; red earths and texture-contrast soils; shrub woodlands; three-awn grass.

Ka **Kalbarri (230 sq miles).** Partially dissected low tablelands on lateritized Tertiary sedimentary rocks; red earths; shrub woodland; three-awn grass.

Nw **Narowie (40 sq miles).** Undulating plains on lateritized volcanic rocks; red earths; high forest; forest grass.

UNDULATING PLAINS
Ci **Centol (80 sq miles).** Undulating plains on weathered, subhorizontal sandstone; shallow to moderately deep texture-contrast soils; high forest and grassy woodland; forest grass and eastern mid-height grass.

Dy **Doughboy (160 sq miles).** Undulating plains mainly on weathered, subhorizontal Jurassic sandstone; deep texture-contrast soils; high forest, three-awn grass and forest grass.

Gn **Glenhaughton (170 sq miles).** Undulating plains mainly on weathered, subhorizontal Jurassic sandstone; deep texture-contrast and uniform coarse-textured soils; high forest; three-awn grass.

Wb **Womblesbank (150 sq miles).** Undulating plains on lateritized Tertiary sedimentary rocks; deep texture-contrast and uniform coarse-textured soils; high forest and Casuarina forest; three-awn and forest grass.

Rd **Redcliffe (130 sq miles).** Undulating plains with gentle colluvial slopes and low lateritic crests; deep texture-contrast soils; high forest, Casuarina and Callitris forests, and shrub woodland.

Ab **Auburn (70 sq miles).** Undulating upland plains with low lateritic crests and gentle colluvial slopes, on deeply weathered granitic rocks; deep texture-contrast and very shallow undifferentiated soils; high forest; three-awn grass.

Woodlands
Texture-contrast soils
Mb **Melbada (120 sq miles).** Undulating plains on Tertiary sedimentary rocks and with extensive colluvial slopes; texture-contrast soils; grassy woodland and tall woodland; three-awn and eastern mid-height grass.

P **Pech (240 sq miles).** Undulating plains on Tertiary sedimentary rocks and with extensive colluvial and alluvial slopes; texture-contrast soils and red earths; grassy woodland; three-awn and eastern mid-height grass.

Rd **Rosewood (90 sq miles).** Strongly undulating plains on dipping Permian argillaceous rocks; texture-contrast and very shallow undifferentiated soils; rosewood forest; forest and eastern mid-height grass.

Bk **Bannockburn (130 sq miles).** Strongly undulating plains with low hills and moderately extensive colluvial lower slopes; texture-contrast and very shallow undifferentiated soils; grassy woodland; eastern mid-height grass.
Mh **Mourangle (160 sq miles).** Strongly undulating plains with extensive colluvial lower slopes; texture-contrast soils and shallow undifferentiated soils; grassy woodland, shrub woodland, and rosewood forest; eastern mid-height grass.

Oh **Ohio (70 sq miles).** Strongly undulating plains, mainly on dipping Upper Palaeozoic volcanics; shallow to deep texture-contrast soils; grassy woodland; eastern mid-height grass.

Te **Tonella (370 sq miles).** Strongly undulating plains with low hills, and moderately extensive lower slopes; shallow texture-contrast soils and cracking clays; grassy woodland; eastern mid-height grass.

Bl **Bouldercombe (570 sq miles).** Strongly undulating plains with low hills, on granitic and volcanic rocks; texture-contrast and uniform coarse-textured soils; grassy woodland; eastern mid-height grass.

Mo **Montana (500 sq miles).** Tributary fluvial plains with extensive erosional slopes on flat-bedded Mesozoic shale and sandstone; shallow to deep texture-contrast soils; grassy woodland; eastern mid-height grass.

L **Langmon (140 sq miles).** Tributary fluvial plains with erosional slopes on Upper Palaeozoic volcanics; texture-contrast soils; tall grassy woodland and grassy woodland; eastern mid-height grass and frontage grass.

Wb **Wolsebee (200 sq miles).** Tributary fluvial plains with erosional slopes on Mesozoic shales and sandstone; texture-contrast soils; grassy woodlands; eastern mid-height grass.

Pm **Paintree (160 sq miles).** Tributary fluvial plains characterized by heavy floods; deep texture-contrast soils; grassy woodland and tall grassy woodland; eastern mid-height and frontage grass.

Cracking clays
Wt **Westwood (70 sq miles).** Closely dissected undulating plains on Tertiary basalt; dark brown and grey-brown clay and cracking clays; grassy woodlands; eastern mid-height grass.

Gv **Grevillea (130 sq miles).** Partially dissected undulating plains on Tertiary basalt; shallow to deep cracking clays; grassy woodland; eastern mid-height grass.

Or **Orana (130 sq miles).** Undulating plains on dipping Upper Palaeozoic volcanic rocks; shallow cracking clays; shallow undifferentiated soils, and texture-contrast soils; grassy woodland; eastern mid-height grass.

Bf **Barfield (130 sq miles).** Undulating plains on Upper Palaeozoic volcanic rocks, with moderately extensive depositional lower slopes; shallow to deep cracking clays; grassy woodland; eastern mid-height grass.

Red earths
M **Mimosa (80 sq miles).** Dissected colluvial-alluvial plains derived from weathered coarse-textured rocks; red earths and texture-contrast soils; shrub woodlands; three-awn grass.

Brigalow scrub
Kb **Karboe (80 sq miles).** Undulating to nearly flat plains with erosional upper slopes and depositional lower slopes; dark brown and grey-brown clay and deep cracking clays; brigalow and softwood scrubs.

W **Wandoo (120 sq miles).** Undulating plains with erosional upper slopes and depositional lower slopes; cracking clays and dark brown and grey-brown clay; brigalow and softwood scrubs.

Bw **Barwon (260 sq miles).** Undulating to nearly flat plains; strike-controlled banded pattern of cracking clays with brigalow scrub and texture-contrast soils with grassy woodland.

K **Kiddell (670 sq miles).** Undulating plains with extensive depositional lower slopes; cracking clays and dark brown and grey-brown clay; brigalow scrub with scrub grass and blue grass grasslands.

H **Highworth (190 sq miles).** Undulating to nearly flat plains with extensive colluvial and erosional slopes; texture-contrast soils, cracking clays, and dark brown and grey-brown clay; brigalow and softwood scrub.

Hi **Hinchley (110 sq miles).** Undulating to nearly flat, mainly depositional plains; very deep and deep cracking clays; brigalow scrub; scrub grass.

D **Dakamba (270 sq miles).** Undulating to nearly flat, mainly depositional plains with periodically flooded lower parts; deep cracking clays; brigalow scrub; scrub grass.

Softwood scrub
E **Eurombah (1570 sq miles).** Undulating plains mainly on Mesozoic shale, locally capped with Tertiary basalt; moderately deep to deep cracking clays and dark brown and grey-brown clay; softwood and brigalow scrubs.

B **Banana (460 sq miles).** Undulating plains mainly on Upper Palaeozoic argillaceous rocks; cracking clays; softwood and brigalow scrubs and grassy woodland; scrub grass and eastern mid-height grass.

R **Ramsay (180 sq miles).** Undulating to nearly flat plains of colluvium-alluvium; dark brown and grey-brown clay; softwood and brigalow scrubs; scrub grasses.

ALLUVIAL PLAINS
Ca **Coreen (260 sq miles).** Mainly stable plains of fine-textured deposits; deep cracking clays, partly strongly gilgated; brigalow scrub; sparse scrub grass.

Dn **Dingo (120 sq miles).** Mainly stable plains of deposits derived from dissected Tertiary weathered surface, numerous streamlines; deep texture-contrast soils; grassy woodland; eastern mid-height grass.

J **Jaranda (280 sq miles).** Mainly stable plains of deposits derived from less-weathered rocks; deep texture-contrast soils; grassy woodland; eastern mid-height grass.

Km **Kroombit (310 sq miles).** Mainly stable plains with relatively broad levees; deep texture-contrast and alluvial soils; tall grassy woodland and grassy woodland; frontage grass.

Rn **Raglan (80 sq miles).** Mainly unstable plains with saline tidal flats in the lower sectors; deep cracking clays and fine-textured alluvial soils; tall grassy woodland; frontage grass.

Gd **Gavial (140 sq miles).** Mainly unstable flood-out sectors of the main rivers, with extensive back plains; deep cracking clays and fine-textured alluvial soils; tall grassy woodland and grassy woodland.

C **Cunliff (60 sq miles).** Mainly unstable inner flood-plains of the Dawson, Mackenzie, and Fitzroy Rivers; deep cracking clays and fine-textured alluvial soils; grassy woodland and tall grassy woodland.

COASTAL PLAINS
Ci **Carpentaria (170 sq miles).** Nearly flat plains of the Fitzroy estuary; saline alluvial soils and cracking clays; tivelles; samphire and salt-water couch grass.

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