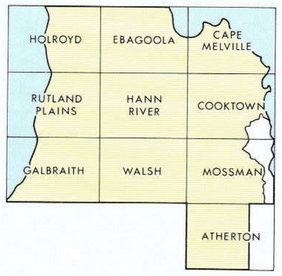
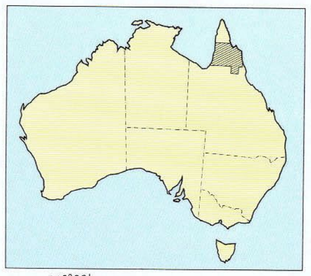
INDEX TO 1:250,000 SHEETS



MAP LOCALITY

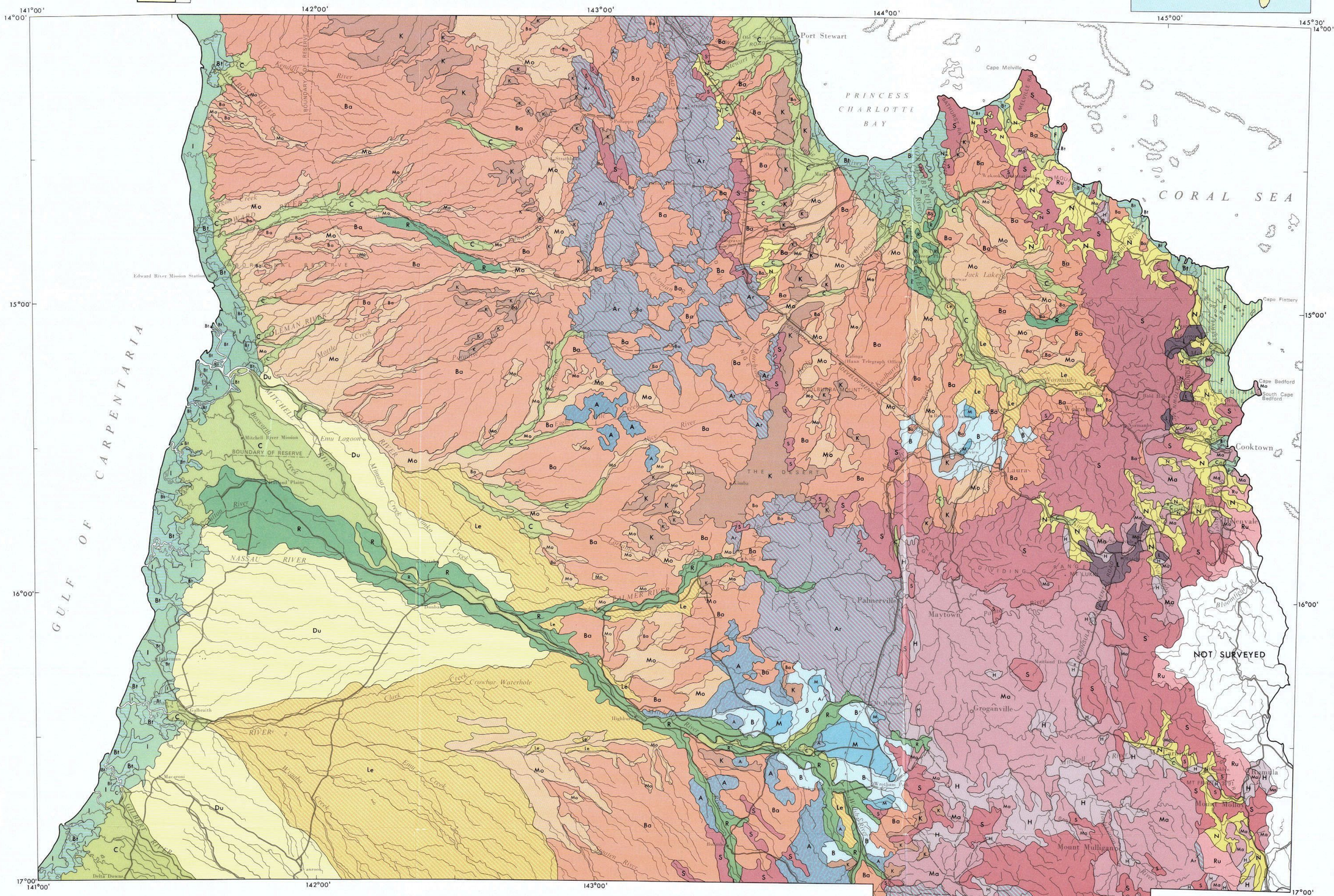


DIVISION OF LAND RESEARCH
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION

MITCHELL–NORMANBY AREA, QUEENSLAND, AUSTRALIA

LAND SYSTEMS

By R. W. Galloway, R. H. Gunn, and R. Story



REFERENCE

Land systems arranged according to relief and geology

MOUNTAINS AND HILLS ON RESISTANT VOLCANICS, GRANITE, AND SEDIMENTS

- S — **Starcke (6560 sq miles).** Mountains on volcanics, granite, greywacke, and other sediments, deeply dissected plateaux on quartz sandstone; shallow rocky soils; ironbark or mixed eucalypt woodland
- Ru — **Rumula (320 sq miles).** Mountains on granite, greywacke, and other sediments; uniform fine-textured soils and structured red loams; vine forest
- Ma — **Maytown (3560 sq miles).** Closely dissected low hills on volcanics, greywacke, and other sediments; shallow, gravelly soils; ironbark woodland, some box woodland

UNDULATING TO HILLY COUNTRY ON FAIRLY RESISTANT METAMORPHICS, GRANITE, SEDIMENTS, AND BASALT

- H — **Hodgkinson (930 sq miles).** Undulating to hilly country on greywacke and other sediments; shallow, gravelly soils; ironbark woodland
- Ar — **Arkara (5670 sq miles).** Undulating country and low stony hills on metamorphics and granite; massive earths and uniform sandy soils; bloodwood–stringybark or ironbark woodland
- L — **Lukin (270 sq miles).** Plains and low stony plateaux on basalt; structured red soils; box woodland, some bloodwood, ground cover of kangaroo grass and black spear grass

PLAINS AND LOWLANDS ON UNRESISTANT SHALE, CLAYSTONE, AND SILTSTONE

- M — **Maple (230 sq miles).** Plains and undulating lowlands on shale; cracking clay soils; deciduous scrub or grassland
- B — **Brixton (570 sq miles).** Plains and lowlands on shales and shallow weathered terrestrial sediments; yellow earths; savannah or box woodland
- A — **Annaly (740 sq miles).** Lowlands on partially dissected terrestrial sediments overlying shale; massive earths and texture-contrast soils; paperbark or bloodwood–stringybark woodland

PLAINS AND LOWLANDS ON WEATHERED TERRESTRIAL SEDIMENTS

- K — **Koolburra (1500 sq miles).** Plains and low plateaux on weathered Tertiary sandstone; sandy red earths; bloodwood–stringybark woodlands, some paperbark woodland
- Ba — **Balurga (13,320 sq miles).** Extensive plains on weathered terrestrial sediments; sandy red and yellow earths and uniform sandy soils; bloodwood–stringybark woodland, some paperbark woodland
- Mo — **Mottle (4890 sq miles).** Extensive plains on weathered terrestrial sediments, siltstone, and alluvium; massive earths; paperbark or bloodwood–stringybark woodland

PLAINS ON OLDER ALLUVIUM AND COLLUVIUM

- Le — **Leinster (4330 sq miles).** Extensive, uniform old alluvial plains; leached grey and brown massive earths with hardpan; paperbark or bloodwood–stringybark woodland
- Du — **Dunbar (4250 sq miles).** Extensive old alluvial plains with levees and shallow depressions; massive leached grey and brown earths; savannah or paperbark woodland, scattered box
- N — **Ninda (1160 sq miles).** Colluvial and alluvial aprons and fans; texture-contrast soils; mostly paperbark woodland but very variable

PLAINS ON YOUNGER ALLUVIUM

- R — **Radnor (1520 sq miles).** Stable alluvial plains largely above flood level; texture-contrast soils; grassland or savannah
- C — **Cumbulla (2890 sq miles).** Alluvial plains in part actively forming and largely flooded in the wet season; texture-contrast soils; paperbark woodland

PLAINS AND DUNES ON YOUNG COASTAL SEDIMENTS

- I — **Inkerman (1180 sq miles).** Coastal clay plains with low sandy beach ridges; saline-alkaline cracking clay soils; grassland, some mixed evergreen scrub
- Bt — **Battersea (890 sq miles).** Coastal mud flats; saline-alkaline cracking clay and uniform fine-textured soils; patchy salt-marsh vegetation alternating with large bare areas
- F — **Flattery (280 sq miles).** Dunes largely stabilized by vegetation; uniform sandy soils; evergreen mixed scrub

Scale — 1:1,000,000

16 0 16 32 48 64 80 Statute Miles

16 0 16 32 48 64 80 Kilometres

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