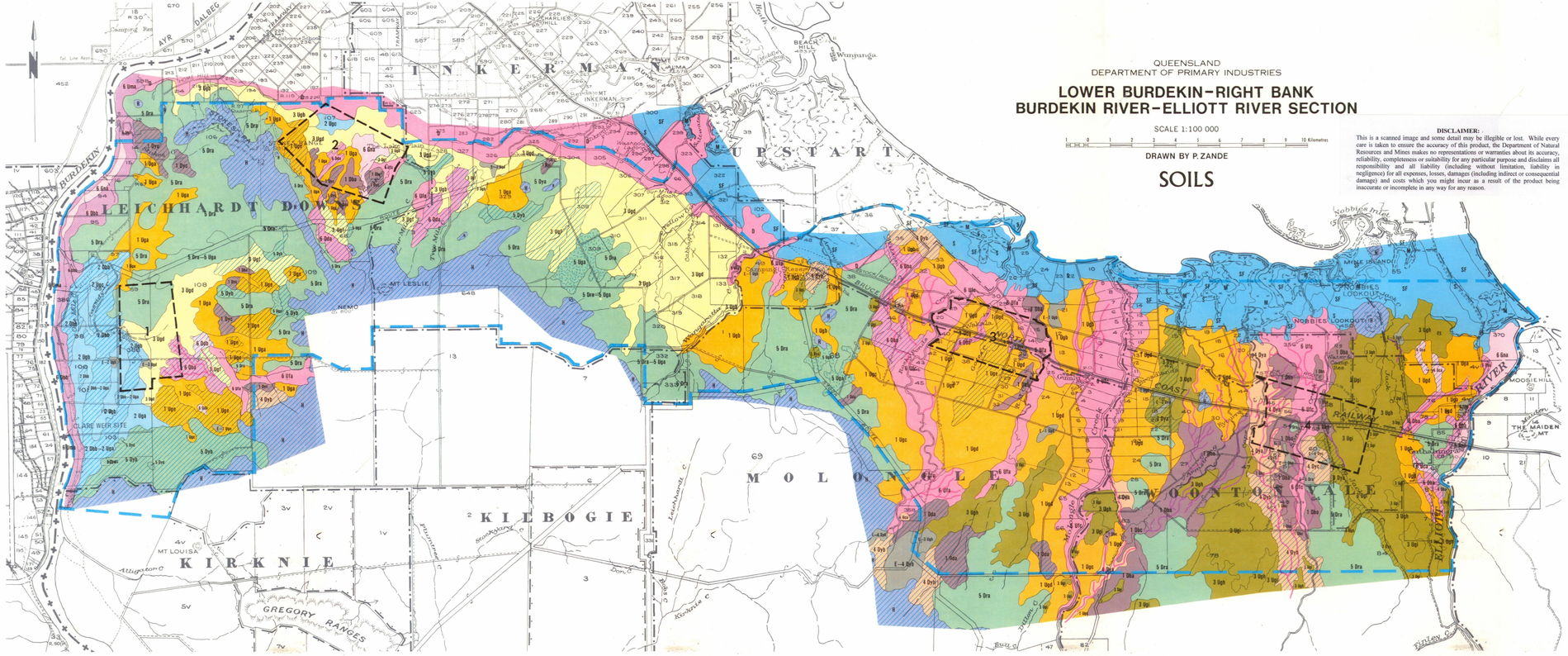

QUEENSLAND
DEPARTMENT OF PRIMARY INDUSTRIES

LOWER BURDEKIN–RIGHT BANK
BURDEKIN RIVER–ELLIOTT RIVER SECTION

SCALE 1:100 000

1 0 1 2 3 4 5 6 7 8 9 10 Kilometres

DRAWN BY P. ZANDE

SOILS

DISCLAIMER:
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LEGEND

LOCAL ALLUVIAL - COLLUVIAL PLAINS
LOW LYING AREAS
- 1 Uga — Black earths (1 Uga, 1 Ugc) and grey solodics - solodized solonetz (1 Dyc)
- 1 Ugb — Black earths (1 Ugb) and black earth-grey clay intergrades (1 Ugd)
- 1 Ugc — Black earths (1 Ugc, 1 Uga)
- 1 Ugd — Black earth - grey clay intergrades (1 Ugd) and black earths (1 Ugb, 1 Ugc)

1–3% SLOPE AREAS
- 1 Dyc — Linearly gilgaied grey-brown clays (1 Uge) and grey solodics - solodized solonetz (1 Dyc)

SLIGHTLY ELEVATED AREAS
- 1 Dya — Grey (1 Dya) and brown (1 Dba) solodics - solodized solonetz
- 1 Dyc — Grey solodics - solodized solonetz (1 Dyc) and black earths (1 Uga)
- 1 Dda — Dark solodics (1 Dda) and black earths (1 Uga)
- 1 Dba — Brown solodics - solodized solonetz (1 Dba) and dark solodics (1 Dda)
- 1 Dbb — Brown solodics-solodized solonetz (1 Dbb and 1 Dba)
- 1 Dbc — Mottled brown (1 Dbc) and brown (1 Dba) solodics - solodized solonetz

BURDEKIN RIVER FLOOD PLAIN
LOW LYING AREAS
- 2 Uga — Grey clays (2 Uga, 2 Ugc) and grey solodics (2 Dya)
- 2 Ugb — Dark grey (2 Ugb) and grey clays (2 Uga, 2 Ugc)
- 2 Ugc — Grey clays (2 Ugc and 2 Uga) and brown solodics (2 Dbb)

SLIGHTLY ELEVATED AREAS
- 2 Dbb — Brown solodics (2 Dbb) and brown solodics - solodized solonetz (2 Dba)
- 2 Dbb–2 Uga — Brown solodics (2 Dbb) and grey clays (2 Uga)

LOCAL ALLUVIAL PLAINS
LOW LYING AREAS
- 3 Ugb — Medium clay black earths (3 Ugb) and heavy clay black earths (3 Ugd)
- 3 Ugd — Heavy clay black earths (3 Ugd, 3 Uga)
- 3 Ugf — Silty black earth - alluvial soil intergrades (3 Ugf), medium clay black earths (3 Ugb) and non-cracking clays (3 Ufa)

SLIGHTLY ELEVATED AREAS
- 3 Ugh — Weakly gilgaied grey clays (3 Ugh) and moderately gilgaied grey clays (3 Ugi)
- 3 Ugi — Moderately gilgaied grey clays (3 Ugi) and strongly gilgaied grey clays (3 Ugi)
- 3 Dya — Grey solodic - grey clay intergrades (3 Dya), dark solodics (1 Dda) and brown solodics - solodized solonetz (1 Dba)

CHANNEL INFILLS AND DISSECTED UPLANDS DEVELOPED FROM ACID INTRUSIVES
CHANNEL INFILLS
- 4 Uca — Uniform (4 Uca) and gradational (4 Gna) deep sands
- 4 Dya — Grey solodics - solodized solonetz (4 Dya) and gradational deep sands (4 Gna)

DISSECTED UPLANDS
- 4 Dyb — Mottled yellow grey solodics - solodized solonetz (4 Dyb) and grey solodics - solodized solonetz (4 Dya)
- 4 Dyc — Mottled yellow podzolics (4 Dyc)

DISSECTED UPLANDS ON INTERMEDIATE INTRUSIVES
UP SLOPE POSITIONS
- 5 Dra — Neutral red duplex (5 Dra) and alkaline yellow duplex soils (5 Dyb)
- 5 Dya — Neutral yellow duplex (5 Dya) and neutral red duplex soils (5 Dra)

MID SLOPE POSITIONS
- 5 Dyb — Alkaline yellow duplex (5 Dyb) and grey solodics - solodized solonetz (5 Dyc)

LOWER SLOPE POSITIONS
- 5 Dyd — Grey solodized solonetz (5 Dyd)

RANDOMLY SCATTERED
- 5 Uga — Sedentary black earths (5 Uga)
- 5 Dra–5 Uga — Neutral red duplex soils (5 Dra) and sedentary black earths (5 Uga)

ALLUVIAL DEPOSITS
LEVEES
- 6 Ufa — Non-cracking clays (6 Ufa) and dark solodics (6 Dda)
- 6 Ufc — Non-cracking clays (6 Ufc, 6 Ufa)
- 6 Uma — Deep fine sandy clay loams (6 Uma), brown solodics (6 Dba) and neutral brown and dark gradational soils (6 Gna)
- 6 Gna — Neutral brown and dark gradational soils (6 Gna) and brown solodics (6 Dbb)

PRIOR STREAM AND ALLUVIAL FAN AREAS
- 6 Uca — Deep sands (6 Uca)
- 6 Dda — Dark (6 Dda) and brown (6 Dba) solodics, and non-cracking clays (6 Ufa)
- 6 Ddb — Coarse sands over dark cracking clays (6 Ddb) and medium clay black earths (3 Ugb)
- 6 Dba — Brown (6 Dba) and dark (6 Dda) solodics
- 6 Dbb — Brown solodics (6 Dbb) and neutral brown and dark gradational soils (6 Gna)

MISCELLANEOUS
- E–1 Ugb — Areas of unstable gully erosion, 1 Ugb soil profile class
- E–1 Ugd — Areas of unstable gully erosion, 1 Ugd soil profile class
- E–1 Uge — Areas of unstable gully erosion, 1 Uge soil profile class
- E–1 Dba — Areas of unstable gully erosion, 1 Dba soil profile class
- E–2 Ugb — Areas of unstable gully erosion, 2 Ugb soil profile class
- E–3 Ugd — Areas of unstable gully erosion, 3 Ugd soil profile class
- E–3 Ugh — Areas of unstable gully erosion, 3 Ugh soil profile class
- E–3 Dya — Areas of unstable gully erosion, 3 Dya soil profile class
- E–4 Dyb — Areas of unstable gully erosion, 4 Dyb soil profile class
- E–4 Dyc — Areas of unstable gully erosion, 4 Dyc soil profile class
- E–5 Dra — Areas of unstable gully erosion, 5 Dra soil profile class
- E–6 Dba — Areas of unstable gully erosion, 6 Dba soil profile class
- R — Areas of rock outcrop
- H — Hills
- S — Sand dunes
- SF — Marine saline flats
- M — Mangroves
- D — Burdekin deltaic deposits
- 2 — Sample Area
- Proposed Extension Burdekin River Irrigation Area (March 1970 Report)
- Prior streams and channel infills

Soil Survey by W.P. Thompson, Agricultural Chemistry Branch Department of Primary Industries, Ayr.
Cartographic Base by Department of Mapping and Surveying, Brisbane.
Prepared by Division of Land Utilisation, Department of Primary Industries Brisbane.
Printed by Government Printing Office, Brisbane, 1976.