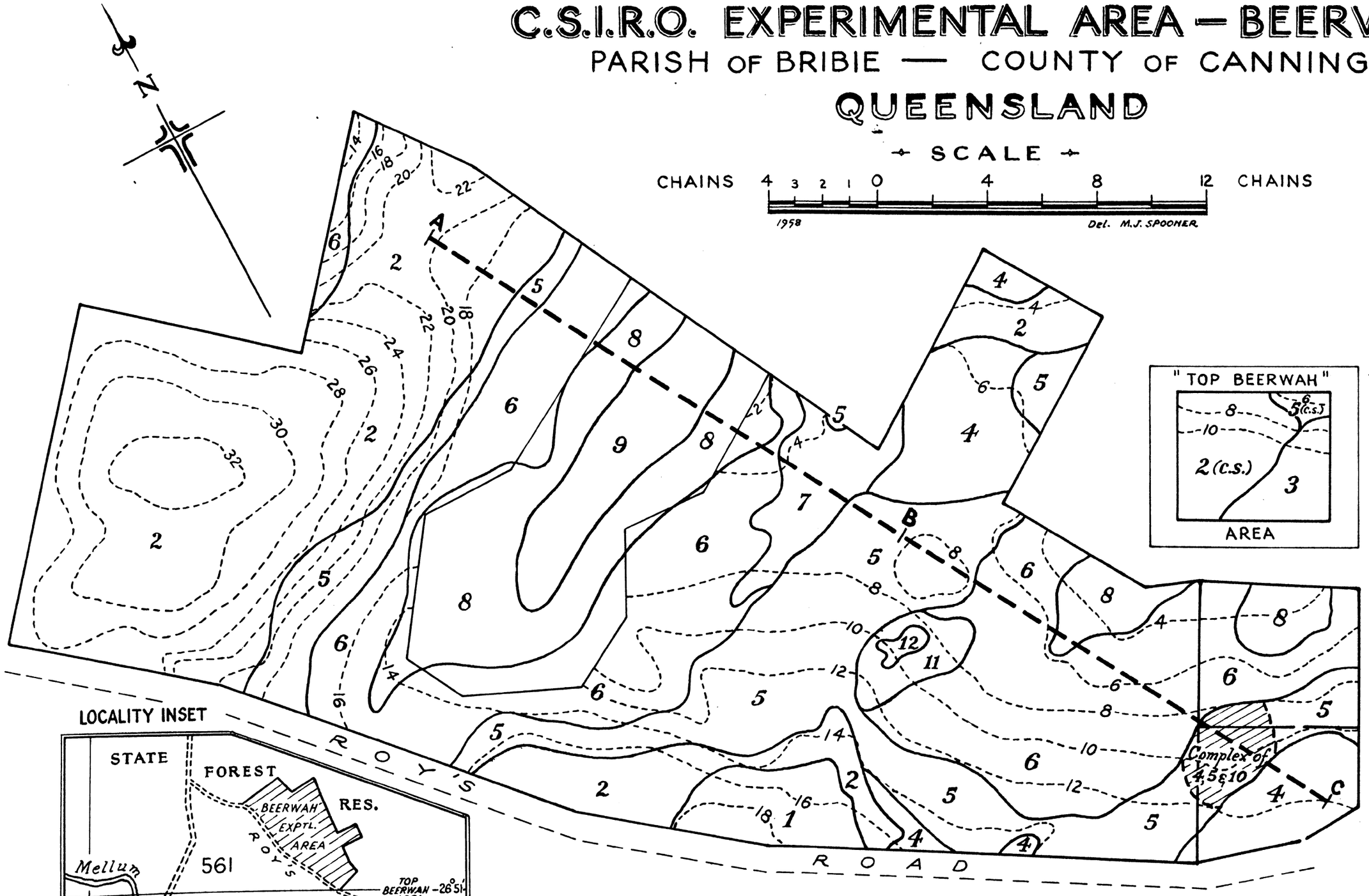
SOIL MAP
C.S.I.R.O. EXPERIMENTAL AREA — BEERWAH
PARISH OF BRIBIE — COUNTY OF CANNING
QUEENSLAND

N

SCALE

CHAINS 4 3 2 1 0 4 8 12 CHAINS

1958 Del. M.J. SPOONER



LOCALITY INSET

CONTOURS (approx.) at 2 Ft. intervals ____ ----12----

CROSS SECTION _ _ _ _ _ _ _ _ _ A — B — C

KEY TO SOILS

1	BEERWAH 1.
2	BEERWAH 2.
2(c.s.)	BEERWAH Coarse Sandy Variant
3	BEERWAH 3.
4	BEERWAH 4.
5	BEERWAH 5.
5(c.s.)	BEERWAH Coarse Sandy Variant
6	BEERWAH 6.
7	BEERWAH 7.
8	BEERWAH 8.
9	BEERWAH 9.
10	BEERWAH 10.
11	BEERWAH 11.
12	BEERWAH 12.

SOIL SURVEYOR
C.H. Thompson
1956.

DR. 15/57

SOIL MAP OF THE BEERWAH EXPERIMENTAL AREA, PARISH OF BRIBIE, COUNTY OF CANNING, S.E. QUEENSLAND

SCALE CHAINS

K E Y

SOIL UNITS OF THE BEERWAH AREA

Mapping Unit	Distinctive Features	Great Soil Group
Beerwah 1	Thick yellow-brown sandy loam B_1 horizon, yellow-brown mottled with red sandy clay B_2 horizon coarsely mottled heavy clay below 5 feet.	Lateritic podzolic soils (Stephens, 1956)
Beerwah 2	Yellow brown sandy clay loam B_1 at 12 inches, yellow-brown mottled with red sandy clay B_2 at 27 inches, coarse mottled heavy clay below 40 inches.	Coarse textured soils essentially podzolic in character, underlain at depth by mottled kaolinitic clays. Horizon boundaries are diffuse and the A_2 horizons are usually feebly defined. Ferruginous nodules of varying size occur in the lower A, B and B-C horizons often with heavy accumulations in the B_1 and upper part of the B_2.
Beerwah 2 coarse sandy varient	As for Beerwah 2 but with brighter coloured B_1 and high coarse sand component.	
Beerwah 3	16 inches to yellow-brown sandy to medium clay B_2, coarse mottled heavy clay below 36 inches. A_2 more definite, much higher coarse sand component and larger amounts of nodules than above soils.	
Beerwah 4	Sandy surface, bleached A_2 horizon with rusty root-markings, a sharp change to prismatic clay at 13 inches, coarse mottled heavy clay below 33 inches.	Meadow podzolic soils (Stephens, 1956)
Beerwah 5	About 9 inches of dark surface, very light yellow-grey A_2 with gley features, coarsely mottled sandy clay with large nodules below 21 inches, coarsely mottled heavy clay below 30 inches.	Imperfectly drained soils with coarse textured surfaces darkened by organic matter, bleached A_2 horizons, and a sharp change to fine textured, coarse structured B_2 horizons. Gley features in A_2 and B_2 horizons.

Mapping Unit	Distinctive Features	Great Soil Group
Beerwah 5 coarse sandy variant	As for Beerwah 5 but with high coarse sand component.	
Beerwah 7	A dark somewhat organic surface, a thin indefinite A_2 sharp change to mottled yellow-brown prismatic clay at 18 inches grading into creamy heavy clay with depth.	Related to meadow podzolics (see above) but with strongly gleyed features and by comparison feeble A_2 horizon.
Beerwah 10	Similar to 7 but with somewhat organic loam surface, no A_2 horizon, and sharp change to prismatic clay at 9 inches.	Related to humic gleys (see below) but less organic and with sharp texture change at shallow depth.
Beerwah 6	Thin to moderately thick surface of low organic content, pronounced bleached A_2 with gley features. Water table above whitish prismatic clay at 24 inches.	Low humic gley (Thorp and Smith 1949). Poorly drained soils with thin organic surface horizons over gleyed mineral horizons with low degree of texture differentiation.
Beerwah 8	Very thick, organic, sandy loam surface horizons, bleached A_2 sand horizons with gley features, water-tables above gleyed "pseudo-prismatic" clay horizon at 40 inches.	Humic gley soils (Thorp & Smith, 1949). Poorly drained hydromorphic soils with moderately thick organic-mineral horizons underlain by mineral gley horizons.
Beerwah 9	Very thick organic loam going to sandy loam surface horizon, bleached A_2 horizon with gley features, water-table above gleyed "pseudo-prismatic" clay at 4 feet	
Beerwah 11	About 12 inches of organic sandy surface soil. Strongly bleached A_2 horizon, massive dark organic pan at 30 inches underlain by white heavy clay at 4 ft.	Ground water podzols (Stephens, 1956). Sandy soils with dark grey surface horizons, pronounced A_2 horizons, and underlain by dark massive organic-cemented pans.
Beerwah 12	Raw organic matter A_0 horizon, organic loamy sand A_1 and indefinite A_2 horizon, thick dark massive organic pan at 16 inches underlain by white heavy clay below 4 feet.	