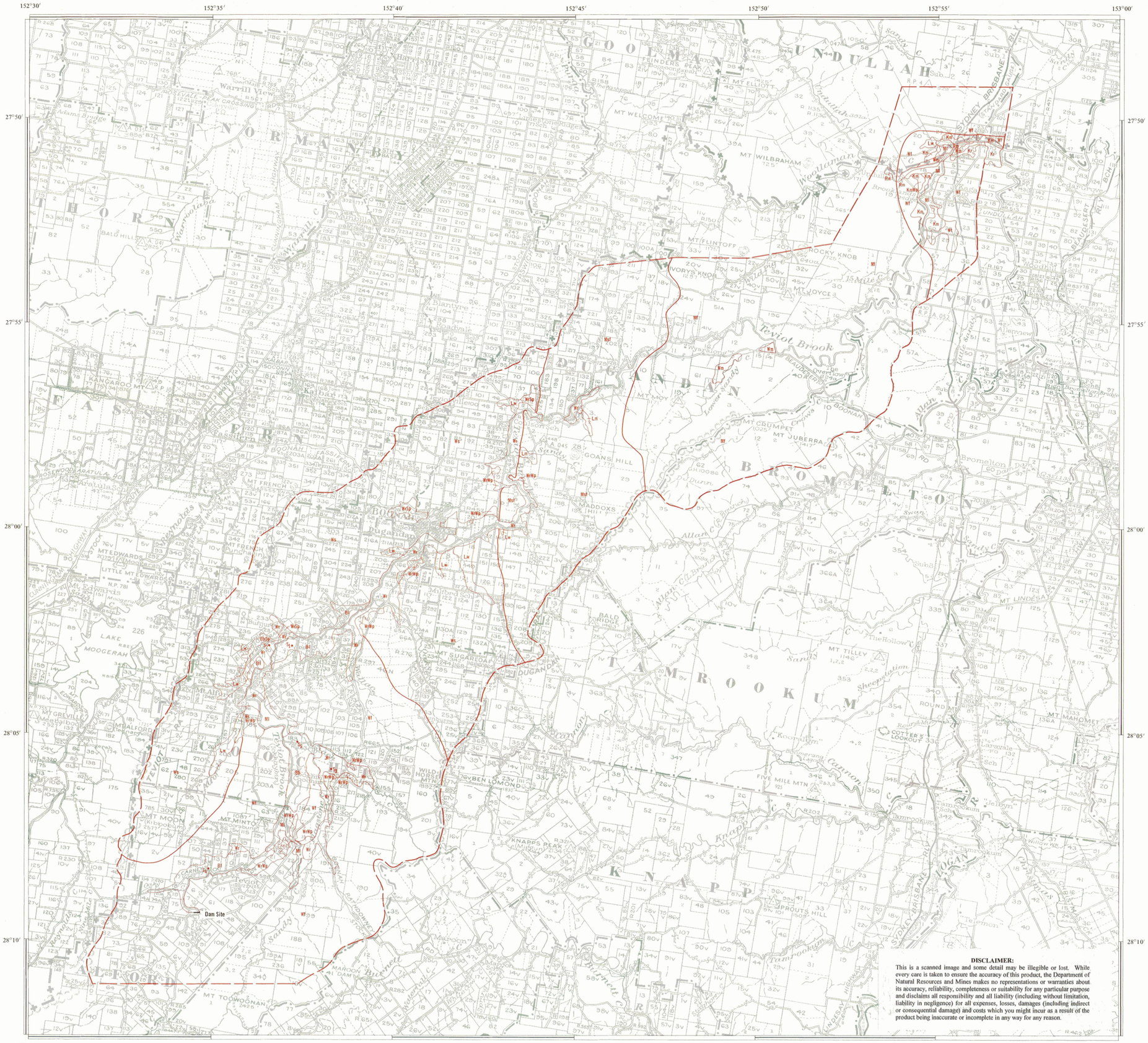

QUEENSLAND
DEPARTMENT OF PRIMARY INDUSTRIES

TEVIOT BROOK - BOONAH

SOILS

by N.G.Christianos, K.K.Hughes and A.R.Leverington.

SCALE 1 : 100 000
KILOMETRES

2 0 2 4 6 8 10 12

INTENSITY STATEMENT

This is a low intensity soil survey. It is based on aerial photograph interpretation and ground observations of the order of one observation to an area of 100-200ha.

Drawn by S.F. Crofts

REFERENCE

Mapping Unit		Major Attributes of Dominant Soil	Great Soil Group□	Principle Profile Form●	Slope
SOILS OF THE LEVEL PLAINS ON ALLUVIA					
CHANNEL BENCH					<1%
Rm	ROMANI	Loose brown, loamy sand to loam,fine sandy to 50-250mm over dark and brown buried soils and layers.	Alluvial soil	Uc1.21, Um1.23	
ALLUVIAL PLAIN					<1%
Bl	BELL	Weakly to moderately self mulching dark light-medium clay over alkaline dark to brown medium clay with lighter textured D horizon at 1 000-1 400mm.	Black earth - chernozem	Ug5.15, Ug5.17 Um5.32	
Bb	BLUMBERG	Moderately self mulching dark light-medium clay over alkaline dark or grey medium clay with lighter textured D horizon at 450-600mm; water table usually at 1 000mm depth.	Black earth	Ug5.17, Ug5.16	
BbSp	BLUMBERG - SALINE PHASE				
Wr	WARRILL**	Moderately self mulching dark light-medium clay over alkaline dark to grey medium clay.	Black earth	Ug5.1, Ug5.16	
WrSp	WARRILL - SALINE PHASE				
Kr	KNGARU	Hardsetting dark light clay with sporadically bleached A_2 horizon over alkaline dark to brown to grey medium clay.	No suitable group. Affinities with black earth	Ug3.1	
Wm	WOOLAMAN*	Hardsetting dark fine sandy clay loam to 200-300mm over sporadically bleached yellow-brown sandy clay loam D_1 horizon over neutral mottled yellow-brown sandy clay D_2 horizon.	Mininal prairie soils	Um5.52	
Ml	MISCELLANEOUS	Undifferentiated complex of alluvial soils, prairie soils, black earths.	Alluvial soils, prairie soils, black earths	Um, Uf, Ug	
BACKPLAIN					<1%
WrWp	WARRILL - WET PHASE	Weakly to moderately self mulching dark, occasionally mottled, light to medium clay over alkaline dark to grey medium heavy clay. Occasional gilgai.	Black earth	Ug5.16, Ug5.1	
OLDER ALLUVIA					<1%
Wt	WATERFORD***	Weakly to moderately self mulching dark with orange mottle medium clay over acid grey-brown medium heavy clay.	Grey clay	Ug5.24	
Km	KILMOYLAR	Hardsetting dark sandy clay loam to 250-350mm with sporadically bleached A_2 horizon over alkaline yellow-brown medium clay.	Solodic soil	Dy3.33, Dy3.43	
KmWp	KILMOYLAR - WET PHASE*	Hummocky microrelief (Debil Debil).			
SOILS OF THE VERY GENTLY INCLINED PLAINS ON ALLUVIA					1-3%
LOCAL ALLUVIA DERIVED FROM SEDIMENTARY ROCK (WALLOON COAL MEASURES)					
Lw		Dark or grey cracking clays	Black earths, grey clays		
LOCAL ALLUVIA DERIVED FROM SANDSTONE (MARBURG FORMATION)					
Lm		Duplex soils with alkaline B horizons	Solodic soils		
SOILS OF THE UNDULATING LOW HILLS ON SEDIMENTARY ROCKS					
WALLOON COAL MEASURES					3-10%
Wf	FOREST VEGETATION	Duplex soils with acid or alkaline B horizons	Solodic soils, soloths		
Ws	SCRUB VEGETATION	Brown or grey cracking clays	Brown clays, grey clays		
SOILS OF THE ROLLING HILLS ON SANDSTONE					
MARBURG FORMATION					10-32%
Mf	FOREST VEGETATION	Duplex soils with acid B horizons	Soloths		
Msf	SCRUB-FOREST VEGETATION	Duplex soils with acid B horizons or dark, gradational soils	Soloths, prairie soils		

NOTE:

* This soil was identified as a soil described by Paton (1971)
** This soil was identified as a soil described by Powell (1979)
*** This soil was identified as a soil described by Beckmann (1967)
□ From Stace et al. (1968) "A Handbood of Australian Soils"
● Principle Profile Forms (Northcote, 1971)

$*S_1$ Soil Sample Site
Catchment boundary
Soil boundary on alluvia
Soil boundary on uplands

SURVEY by N.G. Christianos, K.K. Hughes and A.R.Leverington, Land Resources Branch, Queensland Department of Primary Industries.

CARTOGRAPHY by S.F. Crofts, Land Resources Branch, Queensland Department of Primary Industries.

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MAP 1

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