

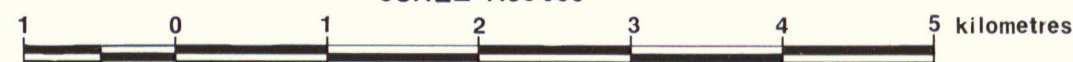


QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES

CERATODUS IRRIGATION STUDY AREA, EIDSVOLD SOILS

by P. Sorby, D.J. Kent and R.E. Reid

SCALE 1:50 000



INTENSITY STATEMENT

This is a medium intensity soils survey. It is based on aerial photograph interpretation and ground observations of the order of one observation to an area of 25-50 ha.

REFERENCE

MAPPING UNIT *	DOMINANT SOIL TYPE		MAJOR ASSOCIATE SOIL TYPE
	Attributes	Great Soil Group	Principle Profile Forms**

SOILS OF THE RECENT ALLUVIAL PLAIN

LEVEES	Anyarro	Dark to brown uniform and gradational soil - with minimal profile development. Firm to hardsetting sandy loam to fine sandy clay loam A horizon. Acid to neutral soil reaction trend.	Alluvial soil - minimal prairie soil	Um1.43, Um1.44, Um6.32, Gn3.22, Gn3.23	Ceratodus
CERATODUS	Ceratodus	Dark to brown uniform and gradational soil with moderate to strong structure. Hardsetting clay loam fine sandy to silty clay loam to light clay A horizon. Neutral to moderately alkaline soil reaction trend.	Prairie soil	Gn3.22, Gn3.23, Uf6.32	Anyarro
FANS AND LEVEES	Hollywell	Brown texture contrast soil with bleached hardsetting sandy loam to sandy clay loam A horizon > 0.3m. Acid to neutral soil reaction trend.	Soloth - solodic soil	Dy3.41, Db1.32, Db2.32, Df2.32, Dy3.82	Abercorn
DRAINAGE DEPRESSIONS	Bilboolan	Dark to grey, occasionally bleached, weakly self mulching cracking clay with grey to brown occasionally mottled lower B horizon. Alkaline soil reaction trend.	Black earth - grey clay	Ug5.15, Ug5.16, Ug5.24, Ug3.3	Yarrol
YARROL	Yarrol	Frequently mottled brown texture contrast soil with frequently bleached hardsetting sandy clay loam to clay loam A horizon < 0.4m. Alkaline soil reaction trend.	Solodic soil - solodized - solonetz, no suitable group	Db1.13, Db1.33, Db2.13, Db2.33, Dd1.33, Dy3.43	Bilboolan

SOILS OF THE STAGNANT ALLUVIAL PLAIN

LEVEL TO GENTLY UNDULATING PLAINS	Eidsvold	Dark to grey strongly self mulching cracking clay with occasionally mottled grey to brown lower B horizon. Alkaline soil reaction trend.	Black earth - grey clay	Ug5.24, Ug5.28, Ug5.15	Dalgangal
DALGANGAL	Dalgangal	Brown to grey hardsetting weakly cracking clay with frequently mottled or gleyed lower B horizon. Occasionally bleached A ₂ horizon. A and B horizons > 1.5m. Alkaline soil reaction trend.	Grey clay - brown clay	Ug5.15, Ug5.25, Ug5.34, Ug3.1	Belvedere
BELVEDERE	Belvedere	Dark to grey moderately self mulching cracking clay with grey to brown lower B horizon. A and B horizons > 1.2m deep. Alkaline soil reaction trend.	Black earth - grey clay	Ug5.15, Ug5.16, Ug5.11, Ug5.21	Dalgangal
ABERCORN	Abercorn	Occasionally mottled dark to brown texture contrast soil with frequently bleached hardsetting sandy clay loam to clay loam A horizon < 0.3m. Alkaline soil reaction trend.	Solodic soil - solodized - solonetz, no suitable group	Db1.13, Db1.33, Db2.13, Db2.33, Db2.43, Dy2.43, Dd2.43	Yarrol
CH	Ch	Stream channels, benches and banks			
R	R	Rock outcrops			

* Named after dominant soil type ** Most frequently occurring only

• S3 Soil sample site

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

BASE MAP supplied by the Department of Mapping and Surveying and reproduced with the permission of the Surveyor General, Queensland.

PRINTED at the Government Printing Office, Brisbane, 1985.

