

**Project Name:** LOC  
**Project Code:** LOC      **Site ID:** B918      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	K.J. Smith	<b>Locality:</b>	
<b>Date Desc.:</b>	//	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 9342    1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	152.456944444444	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-27.7569444444445	<b>Drainage:</b>	Moderately well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	2.2 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Dy2.43
		<b>Great Soil Group:</b>	Solodic soil

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Loam (Heavy); Weak grade of structure, Subangular blocky; Dry; Very weak consistence; Field pH 5 (pH meter); FewClear change to -
A2	0.05 - 0.17 m	Greyish brown (10YR5/2-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Very strong consistence; Field pH 6 (pH meter); Abrupt change to -
B21	0.17 - 0.5 m	Dark greyish brown (2.5Y4/2-Moist); ; Heavy clay; Moderate grade of structure, Subangular blocky; Moderately moist; Strong consistence; Field pH 7.5 (pH meter); Gradual change to -
B22	0.5 - 0.63 m	Dark greyish brown (2.5Y4/3-Moist); ; Heavy clay; Moderate grade of structure, Subangular blocky; Moderately moist; Strong consistence; Field pH 8.7 (pH meter);
B22	0.63 - 0.7 m	Dark greyish brown (2.5Y4/3-Moist); ; Heavy clay; Moderate grade of structure, Subangular blocky; Moderately moist; Strong consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
B23	0.7 - 0.75 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay; Weak grade of structure, Subangular blocky; Moderately moist; Very strong consistence; Field pH 8.8 (pH meter);
B23	0.75 - 1 m	Yellowish brown (10YR5/4-Moist); , 10YR78, 2-10% , 0-5mm, Faint; , 2-10% , 0-5mm, Faint; Light medium clay; Weak grade of structure, Subangular blocky; Moderately moist; Very strong consistence;

**Morphological Notes**

**Observation Notes**

WAS LV126:

**Site Notes**

LOCKYER

**Observation ID: 1**

**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Exchangeable Na	CEC	ECEC	ESP
m		dS/m				Acidity Cmol (+)/kg			%
0 - 0.05	5.2A	0.096A	6J	3.9	0.54	0.3	13.6F		2.21
0.05 - 0.17	5.4A	0.079A	1.7J	2	0.09	0.6	5.8F		10.34
0.4 - 0.5	7.6A	0.402A	4.5J	15	0.13	7.1	26.5F		26.79
0.5 - 0.7	8.4A	0.295A	2.6J	8.9	0.08	4.8	16.8F		28.57
0.7 - 1	8.5A	0.375A	2.7J	10.2	0.12	6	18.8F		31.91

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**Laboratory Analyses Completed for this profile**

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_CEC	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F2_AL	Extractable Al(%) - Silver Thiorea
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension