Project Name: APSRU Soil Reference Sites
Project Code: APSRU **Site ID:** 705 **Observation ID:** 1
Agency Name: CSIRO Sustainable Ecosystems (QLD)

Site Information

Desc. By:		**Locality:**	Characterisation_Site: Jedburgh. Farmer_Contact: Mr Scott McCallman
Date Desc.:	20/08/08	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	147.88436	**Runoff:**	No Data
Easting/Lat.:	-31.51893	**Drainage:**	No Data

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	No Data
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	%	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.15 m ;

0.15 - 0.3 m ;

0.3 - 0.6 m ;

0.6 - 0.9 m ;

0.9 - 1.2 m ;

1.2 - 1.5 m ;

1.5 - 1.8 m ;

Morphological Notes

Observation Notes

Soil_Classification: Classification based on Particle size analysis. Medium clay for the full depth of the profile.. Soil_Comments: This soil has a PAWC of 184 mm for wheat to a depth of 180 cm. It is likely however that increasing levels o

Site Notes

Warren

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	6.1A	0.046A	13.81E	6.26	1.11	0.29				
0.15 - 0.3	6.8A	0.072A	13.73E	6.43	0.3	0.4				
0.3 - 0.6	7.8A	0.149A	15.03E	9.09	0.22	1.76				
0.6 - 0.9	7.9A	0.222A	11.26E	9.58	0.25	3.16				
0.9 - 1.2	7.9A	0.288A	9.63E	10.4	0.34	4.59				
1.2 - 1.5	7.7A	0.338A	9.67E	10.8	0.43	5.08				
1.5 - 1.8	7.5A	0.399A	9.46E	10.47	0.43	5.22				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		0.74A					1.48				19	45
0.15 - 0.3		0.47A					1.51				20	43
0.3 - 0.6		0.28A					1.54				19	51
0.6 - 0.9		0.24A					1.61				19	49
0.9 - 1.2		0.19A					1.63				19	53
1.2 - 1.5		0.07A					1.62				20	51
1.5 - 1.8		0.05A					1.61				19	54

Depth	COLE	Gravimetric/Volumetric Water Contents Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	K sat	K unsat
m					g/g - m3/m3				mm/h	mm/h
0 - 0.15										
0.15 - 0.3										
0.3 - 0.6										
0.6 - 0.9										
0.9 - 1.2										
1.2 - 1.5										
1.5 - 1.8										

Project Name: **APSRU Soil Reference Sites**
Project Code: **APSRU** **Site ID:** **705** **Observation ID:** **1**
Agency Name: **CSIRO Sustainable Ecosystems (QLD)**

Laboratory Analyses Completed for this profile

12C2	Calcium chloride extractable boron - ICPAES
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
P10_HYD_C	Clay (%) - Hydrometer Method
P10_HYD_S	Sand (%) - Hydrometer Method
P10_HYD_Z	Silt (%) - Hydrometer Method
P3A1	Bulk density - g/cm3
P3B6VL_DUL	Drained Upper Limit (0.1 BAR) Moisture m3/m3 - Volumetric using APSRU in situ methodology
P3B6VL_LL	Lower Limit (15 BAR) Moisture m3/m3 - Volumetric using APSRU in situ methodology
P3B6VL_SAT	Saturated Moisture m3/m3 - Volumetric using APSRU in situ methodology