Project Name Project Code Agency Name	LB		B90 QLD)	0	bservatio	on ID:	1	
Site Informati	Site Information							
Desc. By: Date Desc.: Map Ref.: Northing/Long. Easting/Lat.: Geology	15/12 Shee 147.4	et No. : 8357 1:100000	Locality: Elevation: Rainfall: Runoff: Drainage:		50 metre 850 No runoff Poorly dr			
ExposureType: Geol. Ref.:	Soil PL2	•	Conf. Sub. i Substrate M				a boring, 1.6 m deep,Porous, solidated material (unidentified)	
Land Form Rel/Slope Class	s: Gent 1-3%	tly undulating plains <9m %	Pattern Typ	e:	Alluvial p	lain		
Morph. Type: Elem. Type: Slope:	No E Plair 0 %	า	Relief: Slope Categ Aspect:	gory:	No Data No Data No Data			
Surface Soil (Conditi	on (dry): Hardsetting						
Erosion: Soil Classifica	ation							
Australian Soil Endocalcareous ASC Confident	Epipeda	ication: al Black Vertosol		Princi	ng Unit: pal Profile Soil Group		N/A Ug5.16 Black earth	
		data are available.				-		
Site Disturba	nce: N	o effective disturbance othe	r than grazing by	y hoofe	ed animals			
Vegetation:	L	ow Strata - Tussock grass,	, Very sparse. *S	Species	s includes -	None re	ecorded	
		all Strata - Tree, 3.01-6m, V	• • •	ecies ir	ncludes - N	one Rec	corded	
		gments: No surface coars	e fragments					
Profile Morph A1 0 - 0.08		Dark greyish brown (10Yl Angular blocky; Dry; Stror material, coarse fragmeni pH 6.2 (pH meter); Clear	ng consistence; ts; Very few (0 - 2	0-2%, 1	fine gravell	y, 2-6mn		
B2 0.08 - ().38 m	blocky; Dry; Strong consis	stence; 0-2%, fin ew (0 - 2 %), Mai	ne grav	elly, 2-6mn	n, suban	tructure, 20-50 mm, Angular gular, Substrate material, m), Nodules; Field pH 7.1 (pH	
B2 0.38 - ().76 m	blocky; Dry; Strong consis	stence; 0-2%, fin ew (0 - 2 %), Mai	ne grav	elly, 2-6mn	n, suban	tructure, 20-50 mm, Angular gular, Substrate material, m), Nodules; Field pH 7.9 (pH	
B2 0.76 - ⁻	1.17 m	grade of structure, 20-50 6mm, subangular, Substr	mm, Ángular blo ate material, coa w (2 - 10 %), Cal	ocky; D arse fra	ry; Strong o gments; Vo	consistei ery few (tructure, Lenticular; Moderate nce; 0-2%, fine gravelly, 2- 0 - 2 %), Manganiferous, Fine m), Nodules; Field pH 8.7 (pH	
B3 1.27 - 7	1.57 m		nsistence; 0-2% few (0 - 2 %), Ma	, fine g anganif	ravelly, 2-6 ferous, Fine	mm, sut e (0 - 2 n	oangular, Substrate material, nm), Nodules; Very few (0 - 2	
C 1.57 - 7	1.83 m	consistence; 0-2%, fine g	Light brownish grey (2.5Y6/3-Moist); ; Sandy clay loam; Massive grade of structure; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter);					
Morphologica	I Notes	S						
Observation I		-						
Site Notes								

Site Notes

Project Name:LBVProject Code:LBVSite ID:Agency Name:CSIRO Division of Soils (QLD)

BURDEKIN VALLE

Observation ID: 1

Project Name:	LBV			
Project Code:	LBV	Site ID:	B90	Observation ID:
Agency Name:	CSIRO Di	vision of Soils (C	QLD)	

Laboratory Test Results:

Depth	рН	1:5 EC	Exe	changeabl	e Cations		Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	к	Na Cmol	Acidity (+)/kg			%
0 - 0.08 0.08 - 0.38 0.38 - 0.76	6.2H 7.1H 7.9H	0.03B 0.03B 0.15B	14.1K 23K	15.6 18	0.71 0.29	1.1 2.2	9.3D 6.1D		40.8E 49.6E	
0.76 - 1.17 1.27 - 1.57 1.57 - 1.83	8.7H 8.8H 8.4H	0.23B 0.18B 0.12B	22.2K	11	0.31	3.8			37.3E	

1

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	P GV	article CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3	01	00	%	on	Clay
0 - 0.08 0.08 - 0.38 0.38 - 0.76		1.64E	11C	0.018F	0.11B				8C 4C	23 14		50 67
0.76 - 1.17 1.27 - 1.57	2.36C	;							5C	18	2	70
1.57 - 1.83	0.06C	;							17C	39	16	27
Depth	COLE	Sat.		metric/Volu 0.1 Bar 0		er Conte Bar	ents 5 Bar 15 B	Por	K s	at	K unsat	
m		341.	0.05 Dai		m3/m3	Dal	5 Dai 13 E	ai	mm	/h	mm/h	

m 0 - 0.08 0.08 - 0.38 0.38 - 0.76 0.76 - 1.17 1.27 - 1.57 1.57 - 1.83

Project Name:	LBV		
Project Code:	LBV	Site ID:	B90
Agency Name:	CSIRO Div	vision of Soils (C	lD)

Laboratory Analyses Completed for this profile

15_NR 15_NR_CA 15_NR_H 15_NR_K 15_NR_MG 15_NR_NA 19B_NR 2_LOI 2A1	Sum of Ex. cations + Ex. acidity - Not recorded Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Hydrogen Cation - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded Calcium Carbonate (CaCO3) - Not recorded Loss on Ignition (%) Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded

Observation ID: 1