Proje	ct Name: ct Code: cy Name:	Regio REG CSIR(Site ID: on of Soils (Q	T38 LD)	Observatio	on ID:	1		
Site I	nformatior	<u>1</u>								
Desc.	By:	R.F. Isbe	ell		Locality: 4KM south east of Koumala:1KM from Koumala Repeater Station Road:				nain road up	
		28/09/64 Sheet No 149.275 -21.6375	o. : 8754	1:100000	Elevation: Rainfall: Runoff: Drainage:	305 mei 1524 Very rapi Well drai	tres id	a Station Road.		
<u>Geolo</u> Expos Geol.	sureType:	Existing DCc	vertical ex	posure	Conf. Sub. is Pa Substrate Mater		No Data Existing deep,Ai	vertical exposure, 1.2	2 m	
	Form ope Class:	Steep m 56%	iountains :	>300m 32-	Pattern Type:	Mountair	าร			
Elem. Slope	:	Mid-slop Hillslope 30 %	9		Relief: Slope Category Aspect:		152 metres Moderately inclined No Data			
<u>Surfa</u>	ce Soil Co	ndition	<u>(dry):</u> ⊥	oose						
<u>Erosi</u>										
	Classificati									
	alian Soil Cl					ping Unit:	_	N/A		
	se Eutrophic Confidence		rosol		Principal Profile Form: Gn3.11 Great Soil Group: Krasnozem					
			ete but rea	asonable confide			p.	Ridonozem		
Site D	Disturbanc	e: No ef	fective dis	turbance. Natur	al					
Veget	tation:	Low S	Strata - Tu	ssock grass, 0.	51-1m, Mid-dense.	*Species inc	cludes - Ir	mperata cylindrica, Xar	nthorrhoea species	
Eucalyp	otus	Tall S aberg		e, 6.01-12m, Sj	parse. *Species ind	cludes - Euca	alyptus tei	reticornis, Eucalyptus t	tessellaris,	
Surfa	ce Coarse			50% coarse ar	avelly, 20-60mm, ,	Andesite				
	e Morphol		<u>20</u>		aveny, 20 00mm, ,	Andesite				
A11	0 - 0.13 n	n B A	ngular blo		rm consistence; 2-			grade of structure, 5-1 20-60mm, Gravel, coa		
A12	0.13 - 0.3	of	fstructure	, 5-10 mm, Angi		rong consiste		ry); ; Clay loam; Stron 50%, cobbly, 60-200m		
B1	0.3 - 0.41	of	fstructure	, 5-10 mm, Angi		rong consiste		ry); ; Light clay; Strong 0%, coarse gravelly, 2		
B2	0.41 - 0.6	S						e, 10-20 mm, Angular b e fragments; Gradual	blocky;	
	0.66 - 0.9							e, 20-50 mm, Angular b ments; Gradual change		
	0.91 - 1.1				st); ; Light medium onsistence; Field p			of structure, 20-50 mn	n,	
Morp	hological l	Notes								
Obse	rvation No	otes								

Observation Notes TRACES WEATHERED PARENT MATERIAL FROM 90CM LOOKS LIKE ANDESITE:

Site Notes

KOUMALA

Project Name:	Regional				
Project Code:	REG	Site ID:	T38	Observation ID:	1
Agency Name:	CSIRO Divi	sion of Soils (C	(LD)		

Laboratory Test Results:

Depth	рН	1:5 EC		changeable			Exchangeable	CEC	ECEC	ESP
m		C: dS/m	а	Mg	К	Na Cmol	Acidity (+)/kg			%
0 - 0.13 0.13 - 0.3	7A 6.2A	0.145A 0.056A	27B	9	0.85	0.08		35C		0.23
0.3 - 0.41	5.6A	0.065A	10B	5	0.21	0.08		18C		0.44
0.41 - 0.66	5.6A	0.032A	10B	6	0.12	0.08		24C		0.33
0.66 - 0.91	5.8A	0.029A								
0.91 - 1.12	6A	0.029A								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size	Analysi	s
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.13		8.27D	114B	0.08A	0.27A			2	9D	30	33	27
0.13 - 0.3		5.58D	18B		0.15A			7	11D	24	25	38
0.3 - 0.41			3B	0.05A				3	7D	26	27	40
0.41 - 0.66			1B	0.027A				<2	1D	10	30	60
0.66 - 0.91												
0.91 - 1.12			1B	0.013A								

Depth	COLE		Grav	/imetric/Vo	olumetric W	later Cont	ents		K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m				g/	/g - m3/m3	3			mm/h	mm/h

0 - 0.13 0.13 - 0.3 0.3 - 0.41 0.41 - 0.66 0.66 - 0.91 0.91 - 1.12

Project Name:	Regional		
Project Code:	REG	Site ID:	T38
Agency Name:	CSIRO Divisio	on of Soils (O	QLD)

Observation ID: 1

Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2 NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
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_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A1	Total phosphorus - X-ray fluorescence
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10 PB 7	Silt (%) - Plummet balance

P10_PB_Z Silt (%) - Plummet balance