Site InformationDatesElevation:310 metresMap Ref:Rainfall:No DataNorthingLong:6285000 AMG zone: 60Runoff:No DataNorthingLong:6285000 AMG zone: 60Runoff:No DataContractSoil pitCont. Sub. is Parent. Mat:No DataGeologySoil pitCont. Sub. is Parent. Mat:No DataExposureType:Soil pitCont. Sub. is Parent. Mat:No DataMorph. Type:Lower-slopeRelief:10 metresSlope:Lower-slopeStope Category:No DataSurface Soil ConditionHardsetting. HardsettingN/AEcosing(und): (sheet) (rill) (gully)Soil Classification:Map Int:N/AAustralian Soil Classification:Mapping Unit:N/AAutressay analytical data are available.Stitc DisturbanceContesting. Parents10-20%, medium gravelly, 6-20mm, subangular, Quartz: No surface coarseStrade Coarse Fragments10-20%, medium gravelly, 6-20mm, subangular, Quartz: No surface coarseIght brownish grey (2.5Y6/2-Moist); 0-0%; Coarse sandy light medium clay: WeakGatareous;Light brownish grey (2.5Y6/2-Moist); 0-0%; Coarse sandy light medium clay: Weak200-500 mm, Pirismatic; Rough-ped fabric; Dry, Strong consistence; Soil matrix is ModeratelyMay Catereous;Light brownish grey (2.5Y6/2-Moist); 0-0%; Coarse sandy light medium clay: WeakSteld pH 0.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -B210.7-1 mGreyish brown (2.5Y5/2-Moist); Mottles, TOYR58, 2-10%, 5-15mm, Distinct; So	Project Code: N	abing Kukerin land reso 'A Site ID: riculture Western Austra	0491 C	Observation ID:	1	
Exposure Type:Soil pitConf. Sub. Is Parent. Mat.:No DataGeol. Ref.:No DataSubstrate Material:No DataRel/Slope Class:Gently undulating rises 9-30m1-3%.Pattern Type:RisesMorph. Type:Lower-slopeRelief:10 metresElem. Type:FootSlopeSlope Category:No DataSlope:1%Aspect:180 degreesSurface Soil Classification:Mapping Unit:N/AAustralian Soil Classification:Mapping Unit:N/AAustralian Soil Classificatio:Mapping Unit:N/AAustralian Soil Classificatio:Mapping Unit:N/AAustralian Soil Classificatio:Mapping Unit:N/AAll necessary analytical data are available.Site DisturbanceComplete clearing. Pasture, native or improved, cultivated at some stageVegetationSurface Coarse Fragments10-20%, medium gravelly, 6-20mm, subangular, Quartz: No surface coarseTragmentsprominent) fabric; Dry; Stong consistence; Field pH 7 (Raupach); Mary, very fine (0-1mm) roots;All no coasaAbrupt, Wavy change to -B210.1-0.3 mLight brownish grey (25Y6/2-Moist); .0-0%; Coarse sandy light medium clay; Weakgrade of structure,200-500 mm, Prismatic; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Slightlycalcareous;Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -B22k0.3-0.7 mLight brownish grey (25Y6/2-Moist); Mottles, 10YR58, 2-10%, .5-15mm, Distinct; Sandylight mediumclas; Woderate grade of structu	Desc. By:HeatDate Desc.:29/02Map Ref.:295Northing/Long.:6295Easting/Lat.:6215	2/96 000 AMG zone: 50	Elevation: Rainfall: Runoff:	No Data No Data		
RefVStope Class: Gently undulating rises 9-30m 1-3% Pattern Type: Rises Morph. Type: Lower-slope Relief: 10 metres No Data Stope: 1% Hardsetting, Hardsetting 180 degrees 180 degrees Surface Soil Condition Hardsetting, Hardsetting 180 degrees No Data Soil Classification Wind); (sheet) (rill) (gully) Soil Classification: NA Principal Profile Form: N/A ASC Confidence: Great Soil Group: N/A ASC Confidence: N/A All necessary analytical data are available. Stred Disturbance Complete clearing. Pasture, native or improved, cultivated at some stage Vegetation Stred Disturbance Confidence: Great Soil Group: N/A ASC confidence: And regreg (10YR4/1-Moist); .0-0%; Sandy clay loam; Massive grade of structure; Sandy (grians prominent) fabric; Dry; Strong consistence; Field pH 7 (Raupach); Many, very fine (0-1 firmm) roots; Abrupt, Wavy change to - B21 0.1-0.3 m Light brownish grey (2.5Y6/2-Moist); .0-0%; Coarse sandy light medium clay; Weak calcareous; Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to - B22k 0.3 - 0.7 m Light brownish grey (2.5Y6/2-Moist); Mot	ExposureType: Soil Geol. Ref.: No D					
Emin. Type: Footslope Stope Category: No Data Aspect: Stope: 1% Aspect: 180 degrees Surface Soil Condition Hardsetting, Hardsetting 180 degrees Australian Soil Classification Mapping Unit: N/A Australian Soil Classification Mapping Unit: N/A All necessary analytical data are available. Great Soil Group: N/A Strace Coarse Fragments 10-20%, medium gravely, 6-20mm, subangular, Quartz; No surface coarse Fragments Profile Morphology All 0 - 0.1 m Dark grey (10/YR4/1-Moist); . 0-0%; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Strong consistence; Field pH 7 (Raupach); Many, very fine (0- Mrm) roots; B21 0.1 - 0.3 m Light brownish grey (2.5Y6/2-Moist); . 0-0%; Coarse sandy light medium clay; Weak 200-500 mm, Prismatic; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Slightly calcareous; B22k 0.3 - 0.7 m Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 2-10%, 5-15mm, Distinct; Sandy clay; Weak grade of structure, 200-500 mm, Prismatic; Dry; Very strong consistence; Amary (20 - 50 %), Calcareous, Very coarse (20 - 60 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach); Few, very fine (0-1mm) roots; Gradual, Wavy change to - B23 0.7 - 1 m Greyish brown (2.5Y5/2-Moist); Mottles, 7.5YR56, 2-1		tly undulating rises 9-30m 1-3	3%	Pattern Type:	Rises	
Soil ClassificationAustralian Soil Classification: Epibasic Pedal Hypercalcic Calcarosol ASC Confidence: All necessary analytical data are available.Mapping Unit: Principal Profile Form: N/A Great Soil Group:N/A ASite Disturbance Vegetation Surface Coarse Fragments tragments10-20%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse fragmentsProfile Morphology A10-0.1 m (grainsDark grey (10YR4/1-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Sandy (grainsProfile Morphology A10-1.0.3 m grade of structure, 200-500 mm, Prismatic; Dry; Strong consistence; Field pH 7 (Raupach); Many, very fine (0- Abrupt, Wavy change to -B210.1 - 0.3 m grade of structure, add structure, 200-500 mm, Prismatic; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Slightly calcareous;E22k0.3 - 0.7 m light medium Many (20 - 50 %), calcareous; FieldLight brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 2-10%, 5-15mm, Distinct; Sandy clay; Weak grade of structure, 200-500 mm, Prismatic; Dry; Very strong consistence; Calcareous, Very coarse (20 - 60 mm), Soft segregations; Soil matrix is Moderately calcareous; FieldB230.7 - 1 m sandy light medium clay; Moderate grade of structure, 200-500 mm, Prismatic; Moderate grade of structure, 20-50B230.7 - 1 m sandy light medium clay; Moderate grade of structure, 200-500 mm, Prismatic; Moderate grade of mm, Polyhedrai; Rough-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), (6 - 20 mm), Soft segregations; Soil matrix is Moderate grade of mm, Polyhedrai; Rough-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), (6 - 20 mm), Soft segregations; Soil	Elem. Type:FootSlope:1 %	slope	Slope Category: Aspect:	No Data		
Australian Soil Classification:Mapping Unit:N/AEpibasic Pedal Hypercalcic CalcarosolPrincipal Profile Form:N/AASC Confidence:Great Soil Group:N/AAll necessary analytical data are available.Site DisturbanceComplete clearing. Pasture, native or improved, cultivated at some stageVegetationSurface Coarse Fragments10-20%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarseProfile MorphologyA10-0.1 mA10-0.1 mDark grey (10YR4/1-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Sandy(grainsprominent) fabric; Dry; Strong consistence; Field pH 7 (Raupach); Many, very fine (0-Margade of structure,Light brownish grey (2.5Y6/2-Moist); , 0-0% ; Coarse sandy light medium clay; Weakcalcareous;Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -B22k0.3 - 0.7 mLight brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 2-10%, 5-15mm, Distinct; Sandylight mediumclay; Weak grade of structure, 200-500 mm, Prismatic; Dry; Very strong consistence;Kalcareous; FieldGrey is brown (2.5Y5/2-Moist); Mottles, 7.5YR56, 2-10%, 5-15mm, Distinct; CoarseB230.7 - 1 mGrey is brown (2.5Y5/2-Moist); Mottles, 7.5YR56, 2-10%, 15-30mm, Distinct; Coarsemedium clay; Moderate grade of structure, 200-500 mm, Prismatic; Moderate grade ofmm, Polyhedrai; Rough-ped fabric; Dry; Very strong consistence; Few (2 - 10 %),calcareous, Coarse(6 - 20 mm), Soft segregations; Soil matrix is Moderategrade ofmm, Polyhedrai; Rough-ped fabric; Dry; Very strong consistence; Field pH 9.5 <td< td=""><td></td><td>neet) (rill) (gully)</td><td></td><td></td><td></td></td<>		neet) (rill) (gully)				
Vegetation Surface Coarse Fragments10-20%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse fragmentsProfile Morphology A1 	Australian Soil Classifi Epibasic Pedal Hyperca ASC Confidence: All necessary analytical	cic Calcarosol data are available.	Princ Great	ipal Profile Form: Soil Group:	N/A N/A	
A10 - 0.1 m (grainsDark grey (10YR4/1-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Sandy prominent) fabric; Dry; Strong consistence; Field pH 7 (Raupach); Many, very fine (0- Abrupt, Wavy change to -B210.1 - 0.3 m grade of structure, calcareous;Light brownish grey (2.5Y6/2-Moist); , 0-0% ; Coarse sandy light medium clay; Weak 200-500 mm, Prismatic; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Slightly Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -B22k0.3 - 0.7 m light medium Many (20 - 50 %), calcareous; FieldLight brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 2-10%, 5-15mm, Distinct; Sandy clay; Weak grade of structure, 200-500 mm, Prismatic; Dry; Very strong consistence; Calcareous, Very coarse (20 - 60 mm), Soft segregations; Soil matrix is Moderately pH 9.5 (Raupach); Few, very fine (0-1mm) roots; Gradual, Wavy change to -B230.7 - 1 m sandy light structure, 20-50Greyish brown (2.5Y5/2-Moist); Mottles, 7.5YR56, 2-10%, 15-30mm, Distinct; Coarse medium clay; Moderate grade of structure, 200-500 mm, Prismatic; Moderate grade of mm, Polyhedral; Rough-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (fine (0-1mm) roots; Gradual change to -B31 - 1.6 m 10YR81, 10- 20%, 15-30mm, Distinct; Light clay; Moderate grade of structure, 200-500 mm, Prismatic; 	Vegetation Surface Coarse Fragments 10-20%, medium gravelly, 6-20mm, subangular, Quartz; No surface coarse					
B210.1 - 0.3 m grade of structure, calcareous;Light brownish grey (2.5Y6/2-Moist); , 0-0%; Coarse sandy light medium clay; Weak 200-500 mm, Prismatic; Rough-ped fabric; Dry; Strong consistence; Soil matrix is Slightly Field pH 9.5 (Raupach); Common, very fine (0-1mm) roots; Clear, Wavy change to -B22k0.3 - 0.7 m light medium Many (20 - 50 %), calcareous; FieldLight brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 2-10%, 5-15mm, Distinct; Sandy clay; Weak grade of structure, 200-500 mm, Prismatic; Dry; Very strong consistence; Calcareous, Very coarse (20 - 60 mm), Soft segregations; Soil matrix is Moderately pH 9.5 (Raupach); Few, very fine (0-1mm) roots; Gradual, Wavy change to -B230.7 - 1 m sandy lightGreyish brown (2.5Y5/2-Moist); Mottles, 7.5YR56, 2-10%, 15-30mm, Distinct; Coarse medium clay; Moderate grade of structure, 200-500 mm, Prismatic; Moderate grade of mm, Polyhedral; Rough-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach); Few, veryB31 - 1.6 m 10YR81, 10-Grey (2.5Y6/1-Moist); Mottles, 7.5YR56, 2-10%, 30-mm, Prominent; Substrate influence, 20%, 15-30mm, Distinct; Light clay; Moderate grade of structure, 200-500 mm, Prismatic;	A1 0 - 0.1 m (grains	prominent) fabric; Dry; Stror				
light mediumMany (20 - 50 %), calcareous; FieldB230.7 - 1 m sandy lightB230.7 - 1 m sandy lightGreyish brown (2.5Y5/2-Moist); Mottles, 7.5YR56, 2-10%, 15-30mm, Distinct; Coarse 	grade of structure,	Light brownish grey (2.5Y6/. 200-500 mm, Prismatic; Ro	ugh-ped fabric; Dry;	Strong consistence	; Soil matrix is Slightly	
sandy light structure, 20-50 Calcareous, Coarse (Raupach); Few, very B3 1 - 1.6 m 10YR81, 10- Strong grade medium clay; Moderate grade of structure, 200-500 mm, Prismatic; Moderate grade of mm, Polyhedral; Rough-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5 (7.5YR56, 2-10%, 30-mm, Prominent; Substrate influence, 20%, 15-30mm, Distinct; Light clay; Moderate grade of structure, 200-500 mm, Prismatic;	light medium Many (20 - 50 %),	clay; Weak grade of structur Calcareous, Very coarse (20	re, 200-500 mm, Pri 0 - 60 mm), Soft seg	smatic; Dry; Very str gregations; Soil matr	rong consistence; ix is Moderately	
(Raupach); Few, very(6 - 20 mm), Soft segregations; Soil matrix is Moderately calcareous; Field pH 9.5(Raupach); Few, veryfine (0-1mm) roots; Gradual change to -B31 - 1.6 m 10YR81, 10-Grey (2.5Y6/1-Moist); Mottles, 7.5YR56, 2-10%, 30-mm, Prominent; Substrate influence, 20%, 15-30mm, Distinct; Light clay; Moderate grade of structure, 200-500 mm, Prismatic; Strong grade	sandy light structure, 20-50	medium clay; Moderate grad	de of structure, 200-	500 mm, Prismatic;	Moderate grade of	
B3 1 - 1.6 m 10YR81, 10- 20% , 15-30mm, Distinct; Light clay; Moderate grade of structure, 200-500 mm, Prismatic; Strong grade				oderately calcareous	s; Field pH 9.5	
	10YR81, 10-	Grey (2.5Y6/1-Moist); Mottle 20% , 15-30mm, Distinct; Li	es, 7.5YR56, 2-10% ght clay; Moderate ç	grade of structure, 20	00-500 mm, Prismatic;	

matrix is to -	Moderately	calcareous; Field pH 9 (Raupach); Few, very fine (0-1mm) roots; Gradual, Wavy change
C 30-mm, fabric; Dr	1.6 - 1.7 m y;	White (2.5Y8/1-Moist); Mottles, 2.5Y61, 20-50% , 15-30mm, Distinct; , 7.5YR56, 10-20% , Prominent; Clay loam; Moderate grade of structure, 20-50 mm, Polyhedral; Smooth-ped Strong consistence; Soil matrix is Slightly calcareous; Field pH 9 (Raupach);
<u>Morph</u> B22k B23 B3 C	ological Notes	Cutans - topsoil - around coarse structure. Cutans - topsoil - around coarse structure. Cutans - topsoil - around coarse structure - kaolinitic. Cutans - clay from layer above kaolinitic.

Project Name:	Nyabing Kukeri	n land reso	ourcs survey		
Project Code:	NYA	Site ID:	0491	Observation ID:	1
Agency Name:	Agriculture Wes	stern Austr	alia		

Observation Notes

Site Notes

Soil pit in Kuringup catchment - near a boggy area - wheel ruts.

Project Name:	Nyabing Kukerii	n land reso	ourcs survey		
Project Code:	NYA	Site ID:	0491	Observation	1
Agency Name:	Agriculture Wes				

Laboratory Test Results:

Depth	рН	1:5 EC	Exe	changeabl Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	ĸ		(+)/kg			%
0 - 0.1	6.7B 7.2H 6.6B 7.2H 6.6B 7H	63B 44B 71B	7.04A	4.94	0.47	1.32			13.77D	
0 - 0.1	6.7B 7.2H 6.6B 7.2H 6.6B 7H	63B 44B 71B	7.04A	4.94	0.47	1.32			13.77D	
0 - 0.1	6.7B 7.2H 6.6B 7.2H 6.6B 7H	63B 44B 71B	7.04A	4.94	0.47	1.32			13.77D	
0 - 0.1	6.7B 7.2H 6.6B 7.2H 6.6B 7H	63B 44B 71B	7.04A	4.94	0.47	1.32			13.77D	
0 - 0.1	6.7B 7.2H 6.6B 7.2H 6.6B 7H	63B 44B 71B	7.04A	4.94	0.47	1.32			13.77D	
0.1 - 0.3	8.4B 9.3H	79B	5.15E	7.39	0.75	5.78		18B	19.07D	32.11
0.1 - 0.3	8.4B 9.3H	79B	5.15E	7.39	0.75	5.78		18B	19.07D	32.11
0.15 - 0.25	8.4B 9.2H	63B								
0.3 - 0.7	8.7B 9.6H	120B	2.6E	5.1	0.86	7.86		14B	16.42D	56.14
0.3 - 0.7	8.7B 9.6H	120B	2.6E	5.1	0.86	7.86		14B	16.42D	56.14
0.4 - 0.5	8.7B 9.6H	74B								
0.7 - 1	8.7B 9.6H	120B	1.9E	4.23	0.59	7.58		14B	14.3D	54.14
0.7 - 1	8.7B 9.6H	120B	1.9E	4.23	0.59	7.58		14B	14.3D	54.14
1 - 1.5	8B 8.6H	220B	1.2E	5.23	0.61	8.07		14B	15.11D	57.64
1 - 1.5	8B 8.6H	220B	1.2E	5.23	0.61	8.07		14B	15.11D	57.64

Project Name: Project Code: Agency Name:	NÝA	Site	D:	0491	vey	Observation	1		
7	7.6B 420B 7.9H 7.6B 7.9H			0.53 0.53	7.86 7.86		12B 12B	15.34D 15.34D	65.50
1.5 - 1.7 7 7 7	7.6B 420B 7.9H 7.6B 7.9H			0.53 0.53	7.86 7.86		12B 12B	15.34D 15.34D	65.50
7	7.6B 420B 7.9H 7.6B 7.9H			0.53 0.53	7.86 7.86		12B 12B	15.34D 15.34D	65.50
1.5 - 1.7 7 7 7	7.6B 420B 7.9H 7.6B 7.9H			0.53 0.53	7.86 7.86		12B 12B	15.34D 15.34D	65.50

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Size FS	Analysis Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1 26.2		1.11D		150B	0.093E					6.9
0 - 0.1		1.45D 1.11D		190B 150B	0.093E					6.9
26.2 0 - 0.1		1.45D 1.11D		190B 150B	0.093E					6.9
26.2		1.45D		190B	0.093					0.9
0 - 0.1 26.2		1.11D		150B	0.093E					6.9
0 - 0.1 26.2		1.45D 1.11D		190B 150B	0.093E					6.9
0.1 - 0.3 44.8	2C	1.45D 0.31D		190B 55B						6.5
0.1 - 0.3 44.8	2C	0.31D		55B						6.5
0.15 - 0.25 0.3 - 0.7 41.1	<2C	0.12D		32B						7.9
0.3 - 0.7 41.1	<2C	0.12D		32B						7.9
0.4 - 0.5 0.7 - 1 47.1	2C	0.06D		24B						11.2
0.7 - 1 47.1	2C	0.06D		24B						11.2
1 - 1.5 50.9	<2C	0.07D		28B						17.2
1 - 1.5 50.9	<2C	0.07D		28B						17.2
1.5 - 1.7 48.7	<2C	0.08D		23B						33.5
	<2C 48.7	0.08D		23B						33.5
1.5 - 1.7 48.7	<2C	0.08D		23B						33.5
1.5 - 1.7	<2C 48.7 <2C	0.08D 0.08D		23B 23B						33.5 33.5
48.7	<2C 48.7	0.08D		23B						33.5

1.5 - 1.7 48.7	<2C	0.08D	23B	33.5
40.1	<2C 48.7	0.08D	23B	33.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts

Project Name:	Nyabing Kukerin land resourcs survey
Project Code:	NYA Site ID: 0491 Observation 1
Agency Name:	Agriculture Western Australia
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15C1_CA	salts
pretreatment for	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
15C1_CEC	soluble salts
15C1_K	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15J_BASES 15L1_a Sum of Cations	Sum of Bases Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
15N1_a 15N1_b 18A1_NR 19B_NR 3_NR 4_NR 4B1 6A1_UC 7A1 9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_9t2m P10_NR_C P10_NR_C P10_NR_Z P10106_150 P10180_300 P10300_600 P106001000	and measured clay Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded) Calcium Carbonate (CaCO3) - Not recorded Electrical conductivity or soluble salts - Not recorded pH of soil - Not recorded pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method Total nitrogen - semimicro Kjeldahl, steam distillation Total Phosphorus (ppm) - semimicro kjeldahl, automated colour Bicarbonate-extractable phosphorus (not recorded) Anion storage capacity 1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (method not recorded) 5 to 106u particle size analysis, (method not recorded) > 2mm particle size analysis, (method not recorded) Clay (%) - Not recorded Sand (%) - Not recorded and (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 150 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 150 to 100u particle size analysis, (method not recorded) 150 to 100u particle size analysis, (method not recorded) 150 to 100u particle size analysis, (method not recorded)