Sile Information Date Desc. Every and the additional provided in the additional proverse additin the additional provided in the additin t	Project Code: Agency Name:	NYA Site ID: Agriculture Western Aus		bservation ID:	1			
Desc. By: Heather Percy 1207/95 Locality: Date Desc. 1207/95 Elevation: 310 metres Map Ref.: No Data No Data Northing/Long: 6256430 AMG zone: 50 Runoff: No Data Geology ExposureType: Auger boring Conf. Sub. Is Parent. Mat.: No Data Geol. Ref.: No Data Substrate Material: No Data Map Ref.: No Data Substrate Material: No Data Morph. Type: Aluger boring Conf. Sub. Is Parent. Mat.: No Data Morph. Type: Filain Substrate Material: No Data Super: O'% Aspect: No Data Supface Soil Condition Recently cultivated Erosion (wind); (sheet) (nil) (gully) Soil Classification Australian Soil Classification: Mapping Unit: N/A Australian Soil Classification: Mapping Unit: N/A Australian Soil Classification: Mapping Unit: N/A Stite Disturbance Cultivation. Rainfed Vegetation Surface Coarse Fragments	•	-						
Exposure Type:Auger boring Substrate Material:Conf. Sub. is Parent. Mat.:No Data Substrate Material:No Data Substrate Material:Rel/Slope Class:Level plain <9m <1% Morph. Type:Pattern Type:Alluvial plain Morph. Type:No DataRel/Slope Class:0% Aspect:No DataSlope Category:No DataSurface Soil Condition Austratian Soil Classification:Recently cultivatedNo DataAustratian Soil Classification:Mapping Unit:N/AAustratian Soil Classification:Mapping Unit:N/AAustratian Soil Classification:Mapping Unit:N/AAustratian Soil Classification:Mapping Unit:N/ASite DisturbanceCultivation. RainfedVegetationVegetationUrdark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy Ioam; Massive grade of weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragmentProfile Morphology AcpVery dark greyish brown (10YR5/4-Moist); , 0-0% ; Sandy Ioam; Massive grade of s motix; WeakWery fine (0-1mm)gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu roots; Abrupt change to -A3c0.08 - 0.25 m Moist; WeakYellowish brown (10YR5/6-Moist); , 0-0% ; Sandy clay Ioam; Massive grade of s 	Desc. By: Date Desc.: Map Ref.: Northing/Long.:	Heather Percy 12/07/95 6256430 AMG zone: 50	Elevation: Rainfall: Runoff:	No Data No Data	drained			
Ret/Suppe Class: Level plain <9m <1% Pattern Type: Alluvial plain Morph, Type: Plain Stope Category: No Data Slope: 0 % Aspect: No Data Slope: 0 % Recently cultivated Image: Stope Category: No Data Errosion (wind): (sheet) (rill) (gulty) Sol Classification: Mapping Unit: N/A Australian Soil Classification: Mapping Unit: N/A N/A All necessary analytical data are available. Great Soil Group: N/A Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments Profile Morphology Acc O.0.0.8 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moist; Very Not, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abup change to - A3c 0.08 - 0.25 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Rough-ped fabric; medium gravelly, 6-20mm, subrounded, , coars	ExposureType:							
Erosion (wind); (sheet) (rill) (gully) Soil Classification Australian Soil Classification: Mapping Unit: N/A Ferric Mesotrophic Brown Kandosol Principal Profile Form: D/2.12 ASC Confidence: All necessary analytical data are available. Site Disturbance U/2 Site Disturbance Cultivation. Rainfed Vegetation N/A Surface Coarse Fragments 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments Profile Morphology Acp 0 - 0.08 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abuvery fine (0-1mm) 0%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abuvery fine (0-1mm) Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of stores; Abrupt change to - A3c 0.08 - 0.25 m Yellowish brown (10YR5/6-Moist); , 0-0% ; Clay loam; Moderate grade of structur Moderate); mosistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-602, forgments; Field pH 6 (Raupach); Clear change to - B2c 0.25 - 0.45 m Yellowish brown (10YR5/6-Moist); , 0-0% ; Clay loam; Moderate grade of structur Moderate); mosistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ragments; 20-606, medium gravelly, 6-20mm, subro	Rel/Slope Class: Morph. Type: Elem. Type:	Flat Plain	Relief: Slope Category:	5 metres No Data				
Soil Classification Mapping Unit: N/A Ferric Mesotrophic Brown Kandosol Principal Profile Form: Dy2.12 ASC Confidence: All necessary analytical data are available. Great Soil Group: N/A Site Disturbance Cultivation. Rainfed Vegetation Surface Coarse Fragments 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments Profile Morphology Acc 0 - 0.08 m very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; field pH 5.5 (Raupach); Abc Profile Morphology Acc 0.08 - 0.25 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of s Moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-6-20mm, subrounded , coarse fragments; 20-60%, fine gravelly, 2-60mm, subrounded , coarse fragments; 20-60%, fine gravelly, 2-60mm, subrounded , coarse fragments; 20-60%, fine gravelly, 2-60mm, subrounded , coarse fragments; 20-60%, medium gravelly, 6-20mm, subrounded , coarse fragments; 20-60%, fine gravelly, 2-6mm, subrounded , coarse fragments; 20-60%, medium gravelly, 6-20mm, subrounded , coarse fragments; Field pH 7 (Rigmants; Field pH 6 (Raupach); Clear change to - B22c 0.45 - 0.6 m Brownish yellow (10YR6/6-Moist); , 0-0% ; Clay loa	Surface Soil Co	ndition Recently cult	ivated					
Australian Soil Classification:Mapping Unit: Principal Profile Form: Great Soil Group:N/A Dy2.12 N/AASC Confidence: ASC Confidence: All necessary analytical data are available.Great Soil Group:N/ASite Disturbance VegetationCultivation. Rainfed VegetationVery data are available.N/ASurface Coarse Fragments fragments10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragmentsVery dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy Ioam; Massive grade of structure; Moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu vory fine (0-1mm)Very dark greyish brown (10YR5/4-Moist); , 0-0% ; Sandy Ioam; Massive grade of s consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu vots; Abrupt change to -A3c0.08 - 0.25 m Moist; Weak medium gravelly, 6-20mm, subrounded, , coarse fragments; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-60mm, fragments; Field pH 6 (Raupach); Clear change to -B2c0.25 - 0.45 m Rough-ped fabric; fragments; 20-Yellowish brown (10YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structur Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ra Gradual change to -B31c0.45 - 0.6 m Rough-ped fabric; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ra Gradual change to -B31c0.45 - 0.6 m Rough-ped fabric; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B31c0.45 - 0.	· · ·							
Site Disturbance Cultivation. Rainfed Vegetation Surface Coarse Fragments 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments Profile Morphology Acp 0 - 0.08 m Acp 0 - 0.08 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu roots; Abrupt change to - Very fine (0-1mm) gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu roots; Abrupt change to - A3c 0.08 - 0.25 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of s consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-620mm, subrounded, , coarse fragments; 20-620mm, subrounded, , coarse fragments; 20-50%, fine gravelly, 2-60mm, subrounded, , coarse fragments; 20-620mm, subrounded, , coarse fragments; Clear change to - B2c 0.25 - 0.45 m Yellowish brown (10YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structu Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (R: 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (R: 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to - B31c 0.45 - 0.6 m Brownish yellow (10YR6/6-Moist); , 0-0% ; Clay loam; Moderate grade of structure; Rough-ped fabric; 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to - </td <td>Australian Soil Cla Ferric Mesotrophic ASC Confidence:</td> <td>assification: Brown Kandosol</td> <td>Princi</td> <td>pal Profile Form:</td> <td>Dy2.12</td>	Australian Soil Cla Ferric Mesotrophic ASC Confidence:	assification: Brown Kandosol	Princi	pal Profile Form:	Dy2.12			
Surface Coarse Fragments10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarsefragmentsProfile Morphology Acp 0 - 0.08 m structure; Moist; VeryAcp 0 - 0.08 m structure; Moist; VeryVery dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade 1 weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu roots; Abrupt change to -A3c 0.08 - 0.25 m Moist; WeakYellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of s consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20- 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to -B2c 0.25 - 0.45 m 	•	•						
Acp0 - 0.08 m structure; Moist; Very10%, medium very fine (0-1mm)Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu roots; Abrupt change to -A3c0.08 - 0.25 m Moist; Weak medium gravelly, subrounded, , coarseYellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of s consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20- 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to -B2c0.25 - 0.45 m Rough-ped fabric; fragments; 20- Gradual change to -Yellowish brown (10YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structu Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ragments; 20- 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7, 5 (Raupach); Clear to -B31c0.45 - 0.6 m Rough-ped fabric; 50%, medium to -Brownish yellow (10YR6/6-Moist); , 0-0% ; Clay loam; Moderate grade of structu Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragment gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Clear to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Clear icam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% subrounded, , coarse fragments; To-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Clear icam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% subrounded, , coarse fragments; 10-20%, medium gravell	Surface Coarse	Fragments 10-20%, mec	lium gravelly, 6-20mm, s	subrounded, ; No su	urface coarse			
10%, medium very fine (0-1mm)gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Abu roots; Abrupt change to -A3c0.08 - 0.25 m Moist; WeakYellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of s consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20- 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to -B2c0.25 - 0.45 m Rough-ped fabric; fragments; 20- Gradual changeYellowish brown (10YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structu Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20- 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (R: 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (R: for -B31c0.45 - 0.6 m Rough-ped fabric; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle an; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -	Acp 0 - 0.08 m	Very dark greyish brown		•	•			
 very fine (0-1mm) roots; Abrupt change to - A3c 0.08 - 0.25 m Yellowish brown (10YR5/4-Moist); , 0-0%; Sandy clay loam; Massive grade of s consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to - B2c 0.25 - 0.45 m Yellowish brown (10YR5/6-Moist); , 0-0%; Light clay; Moderate grade of structu Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Rates to - B31c 0.45 - 0.6 m B31c 0.45 - 0.6 m Bownish yellow (10YR6/6-Moist); , 0-0%; Clay loam; Moderate grade of structu Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to - B22c 0.6 - 0.7 m B22c 0.6 - 0.7 m Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10%, 5-10am; Weak grade of structure; Rough-ped fabric; Day; Firm consistence; 10-20% subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded 	0%, medium							
Moist; Weak medium gravelly,consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20- 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to -B2c0.25 - 0.45 m Rough-ped fabric; fragments; 20-B2c0.25 - 0.45 m Rough-ped fabric; fragments; 20-Gradual changeYellowish brown (10YR5/6-Moist); , 0-0%; Light clay; Moderate grade of structu Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ra 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Ra to -B31c0.45 - 0.6 m Rough-ped fabric; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragment gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 6-20mm, subrounded, , coarse fragments; Field	ery fine (0-1mm)	-1mm)						
 consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-60mm, subrounded, , coarse consistence; 20-50%, fine gravelly, 2-60mm, subrounded, , coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to - B2c 0.25 - 0.45 m Rough-ped fabric; fragments; 20- Gradual change B31c 0.45 - 0.6 m B31c 0.45 - 0.6 m B31c 0.45 - 0.6 m B22c 0.6 - 0.7 m B22c 0.6 - 0.7 m Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10%, 5-loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% 		5 m Yellowish brown (10YR	Yellowish brown (10YR5/4-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure;					
 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, fragments; Field pH 6 (Raupach); Clear change to - B2c 0.25 - 0.45 m Rough-ped fabric; fragments; 20- Gradual change to - B31c 0.45 - 0.6 m Rough-ped fabric; 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Raupach); , 0-0%; Clay loam; Moderate grade of structur Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Raupach); , 0-0%; Clay loam; Moderate grade of structur Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to - B22c 0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm, 		consistence; 20-50%, fir	consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%,					
B2c0.25 - 0.45 m Rough-ped fabric;Yellowish brown (10YR5/6-Moist); , 0-0% ; Light clay; Moderate grade of structu Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ra 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Ra to -B31c0.45 - 0.6 m Rough-ped fabric;Brownish yellow (10YR6/6-Moist); , 0-0% ; Clay loam; Moderate grade of structu Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragment gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm,Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10% , 5- loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded			6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm,					
Rough-ped fabric; fragments; 20- Gradual changeModerately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Ra 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Ra to -B31c0.45 - 0.6 m Rough-ped fabric; 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle to -B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm,B22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm,Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10%, 5- loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded			fragments; Field pH 6 (Raupach); Clear change to -					
Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, fragments; 20- 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Ra 50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7 (Ra to -B31c0.45 - 0.6 m Rough-ped fabric; 50%, medium to -Brownish yellow (10YR6/6-Moist); , 0-0% ; Clay loam; Moderate grade of structur Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragment gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); CleB22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm,Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10% , 5- loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded		5 m Yellowish brown (10YR	5/6-Moist); , 0-0% ; Light	clay; Moderate gra	ade of structure;			
Gradual changeto -B31c0.45 - 0.6 mRough-ped fabric;Brownish yellow (10YR6/6-Moist); , 0-0% ; Clay loam; Moderate grade of structure50%, mediumFirm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragment50%, mediumgravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cleto -Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10% , 5-bistinct; ClayLight yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10% , 5-gravelly, 2-6mm,subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded		Moderately moist; Firm	consistence; 20-50%, fir	ne gravelly, 2-6mm,	subrounded, , coarse			
Rough-ped fabric; 50%, medium to -Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); CleB22c0.6 - 0.7 m Distinct; Clay gravelly, 2-6mm,Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10%, 5- loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% gravelly, 6-20mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded	Gradual change		6-20mm, subrounded, ,	coarse fragments; F	Field pH 7 (Raupach);			
 Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragment gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cle B22c 0.6 - 0.7 m Light yellowish brown (10YR6/4-Moist); Substrate influence, 10YR82, 2-10%, 5- loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded 			6/6-Moist); , 0-0% ; Clay	loam; Moderate gra	ade of structure;			
gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Cleto -B22c0.6 - 0.7 mDistinct; Claygravelly, 2-6mm,subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded	•	c; Firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-						
Distinct; Clay loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; 10-20% gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded		gravelly, 6-20mm, subro	ounded, , coarse fragme	nts; Field pH 7.5 (R	aupach); Clear change			
gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded		n Light yellowish brown (1	0YR6/4-Moist); Substra	te influence, 10YR8	32, 2-10% , 5-15mm,			
subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded		loam; Weak grade of str	ucture; Rough-ped fabri	c; Dry; Firm consist	tence; 10-20%, fine			
ooarse nagmente,		subrounded, , coarse fra	subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, ,					
Field pH 7.5 (Raupach);	oarso nayments,	Field pH 7.5 (Raupach);	Field pH 7.5 (Raupach);					

Morphological N	<u>otes</u>
B2c	Kaolinitic clay
B31c	Kaolinitic clay
B22c	Kaolinitic clay

Observation Notes

Site Notes

Site in cereal crop.

Project Name:	Nyabing Kukerin	Iand reso	urcs survey		
Project Code:	NYA	Site ID:	0212	Observation	1
Agency Name:	Agriculture West	tern Austra	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeabl Mg	e Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou		i.		(+)/kg			%
0 - 0.1	4.8B									
0.08 - 0.25	5.1B	4B	2.9H	1.13	0.3	0.12	0.05J		4.45D	
0.08 - 0.25	6.1H 5.1B	4B	2.9H	1.13	0.3	0.12	0.05J		4.45D	
	6.1H		-	-		-			-	
0.15 - 0.25	5.2B	C D	0.04.4	0.07	0.40	0.00			C 00D	
0.25 - 0.45	6.3B 7.1H	5B	2.91A	2.87	0.18	0.26			6.22D	
0.35 - 0.45	6.4B									

CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density		Particle Size CS FS	Analysis Silt
%	Clay %	mg/kg	%	%	%	Mg/m3		%	
	0.82D							73.51	5.5
	_								
	0.82D							73.51	5.5
	0.24D							19 51	6.5
	0.24D							40.51	0.5
		C Clay % %	C P Clay % % mg/kg 0.82D 0.82D	C P P Clay % % mg/kg % 0.82D 0.82D	C P P N Clay % % mg/kg % % 0.82D 0.82D	С Р Р N K Clay % % mg/kg % % % 0.82D 0.82D	C P P N K Density Clay % % mg/kg % % Mg/m3 0.82D 0.82D	C P P N K Density GV Clay % % mg/kg % % % Mg/m3 0.82D 0.82D	C P P N K Density GV CS FS % % mg/kg % % Mg/m3 % 0.82D 73.51 73.51 73.51

Laboratory Analyses Completed for this profile

13C1_AL 13C1_FE 15_NR_BSa 15_NR_CMR 15A1_CA for soluble	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_CEC 15A1_K for soluble	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15E1_AL 15E1_CA salts	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K 15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts

15E1_MN 15E1_NA 15J_BASES 15L1 a	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	
	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded

Project Name:	Nyabing	g Kukerin land reso	ourcs survey
Project Code:	NYA	Site ID:	0212
Agency Name:	Agricult	ure Western Austr	alia

Observation 1

P10_NR_S Sand (%) - Not recorded P10_NR_Z Silt (%) - Not recorded