YAL **Project Name:**

Project Code: YAL Site ID: P553A Observation ID: 1

Agency Name: CSIRO Division of Soils (WA)

Site Information

Gravel quarry 5 chains S.W. of main road through Desc. By: G.M. Dimmock Locality:

property - roughly opposite shearing sheds: 10M from

349 metres Date Desc.: 18/12/68 Elevation: Sheet No.: 2134 1:100000 Map Ref.: Rainfall: 620 Northing/Long.: 116.46666666667 Runoff: Rapid

-31.7666666666667 Drainage: Imperfectly drained Easting/Lat.:

Geology

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

Land Form

Rel/Slope Class: No Data Pattern Type: No Data Morph. Type: No Data Relief: No Data Elem. Type: Gently inclined No Data Slope Category: Hillslope Aspect: 5.5 % Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

N/A **Australian Soil Classification: Mapping Unit: Principal Profile Form:** Dy5.61

ASC Confidence: Great Soil Group: Lateritic podzolic

Confidence level not specified

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments: 2-10%, , rounded, Substrate material

coarse fragments; Few

Profile	Morphology	
Ар	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); Greyish brown (10YR5/2-Dry); ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Common, very fine (0-1mm) roots; Clear change to -
A21	0.1 - 0.2 m	Yellowish brown (10YR5/4-Moist); Light yellowish brown (10YR6/4-Dry); ; Sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Common, very fine (0-1mm) roots; Gradual change to -
A22	0.2 - 0.3 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Gradual change to -
A23	0.3 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Gradual change to -
A24	0.6 - 0.76 m	Yellowish brown (10YR5/4-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; Abrupt, Irregular change to -
	0.76 - 0.9 m	Brownish yellow (10YR6/6-Moist); , 2.5YR46; Sandy medium clay; Massive grade of structure; Strong consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments;
	0.9 - 1.2 m	Brownish yellow (10YR6/6-Moist); , 2.5YR46; Sandy medium clay; Massive grade of structure; Strong consistence; 50-90%, coarse gravelly, 20-60mm, Substrate material, coarse fragments;
	1.2 - 1.5 m	Brownish yellow (10YR6/6-Moist); , 2.5YR46; Sandy medium clay; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Strong consistence; Moderately plastic; Subplastic; 10-20%, fine gravelly, 2-6mm, Substrate material, coarse fragments;
	1.5 - 1.8 m	Brownish yellow (10YR6/6-Moist); , 2.5YR46, 2-10%; , 10YR81, 2-10%; Sandy medium clay;

Massive grade of structure; Many (>5 per 0.01m2) Medium (2-5mm) macropores, Strong consistence; Moderately plastic; Subplastic; 10-20%, fine gravelly, 2-6mm, Substrate material, **Project Name:** YAL

Project Code: YAL Site ID: P553A Observation ID: 1

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> Brownish yellow (10YR6/6-Moist); , 2.5YR46, 2-10%; , 10YR81, 2-10%; Sandy medium clay; 1.8 - 2 m Massive grade of structure; Strong consistence; 10-20%, fine gravelly, 2-6mm, rounded,

Substrate material, coarse fragments;

Brownish yellow (10YR6/6-Moist); , 2.5YR46, 2-10%; , 10YR81, 2-10%; Sandy medium clay; 2 - 2.29 m

Massive grade of structure; Strong consistence;

Brownish yellow (10YR6/6-Moist); , 2.5YR46, 2-10%; , 10YR81, 2-10%; Sandy medium clay; 2.29 - 2.68 m

Massive grade of structure; Strong consistence; Few (2 - 10 %), Ferruginous, , Concretions;

Few, fine (1-2mm) roots;

2.72 - 3 m Brownish yellow (10YR6/6-Moist); , 2.5YR46, 2-10%; , 10YR81, 2-10%; Sandy medium clay;

Massive grade of structure; Strong consistence; Few (2 - 10 %), Ferruginous, , Concretions;

Brownish yellow (10YR6/6-Moist); , 2.5YR46, 10-20%; , 10YR81, 10-20%; Medium clay; Massive grade of structure; Strong consistence; Few, fine (1-2mm) roots; 3 - 3.45 m

Morphological Notes

Observation Notes

LARGE PIPES <8CM DIA. EXTEND TO 180CM - FILLED WITH LOOSE GV FROM SURFACE HORIZONS: 300-345CM PROMINENT GRANITIC FABRIC:LAYERS RE NUMBERED 15/10/92

Site Notes

AVON L.S.2/80

Project Name: YAL
Project Code: YAL Site ID: P5
Agency Name: CSIRO Division of Soils (WA) Site ID: P553A Observation ID: 1

Depth	рН	1:5 EC		changeable		NI-	Exchangeab	le CEC	E	ECEC	E	SP
m		dS/m	Ca	Mg	K	Na Cmol	Acidity (+)/kg				9	6
0 - 0.1	6.4A	0.06A	3.6K	0.8	0	0.3				4.7B		
0.1 - 0.2	6.4A	<0.06A		0.3	0	0.1				1.6B		
0.2 - 0.3	6.4A	0.03A	0.8K	0.2	0	0.1				1.1B		
0.3 - 0.6	6.4A	0.03A	0.7K	0.2	0	0.1				1B		
0.6 - 0.76	6.5A	0.06A	0.7K	0.3	0	0.2				1.2B		
0.76 - 0.9	6.3A	0.06A	0.9K	8.0	0.1	0.2				2B		
0.9 - 1.2	6.2A	0.06A		1.1	0.1	0.2				2.4B		
1.2 - 1.5	6.1A	0.06A	0.8K	0.9	0.1	0.2				2B		
1.5 - 1.8	6.1A	0.06A		0.6	0	0.2				1.5B		
1.8 - 2	6.5A	0.06A		0.6	0	0.2				1.7B		
2 - 2.29	6.6A	0.06A		0.6	0	0.2				1.7B		
2.29 - 2.68	6.2A	0.03A		0.7	0	0.2				1.8B		
2.72 - 3	6.9A	0.06A		8.0	0	0.3				2B		
3 - 3.45	6.2A	0.06A	0.8K	0.9	0	0.3				2B		
Depth	CaCO3	Organic	Avail.	Total	Total	Tot	al Bulk	Pa	article :	Size A	nalysis	
		C	P	Р	N	K	Densi		CS	FS	Silt (Clay
m	%	%	mg/kg	%	%	%	Mg/m	3		%		-
0 - 0.1	1.3A	2.54D		0.071B					67D	25	8	2
0.1 - 0.2	1.2A	0.96D		0.029B				69 78	66D	28	4	4
0.2 - 0.3					73	61D	33	5	2			
0.3 - 0.6	0.3A	0.42D				15B		73	64D	30	4	3
0.6 - 0.76	0.7A							80	65D	27	4	5
0.76 - 0.9	1.2A							85	55D	23	5	20
0.9 - 1.2	2.3A							76	49D	19	4	28
1.2 - 1.5	2.2A							18	52D	25	1	23
1.5 - 1.8	1.1A							16	57D	21	4	18
1.8 - 2	1.3A							14	47D	24	9	20
2 - 2.29	2.4A							20	45D	24	11	23
2.29 - 2.68	2.9A							7	41D	22	14	25
2.72 - 3	1.9A							5	36D	15	18	33
3 - 3.45	2.2A							2	36D	14	19	34
Depth COLE Gravimetric/Volumetric Water Contents K sat												
·		Sat.	0.05 Bar									
m				g/	g - m3/m	13			mm/l	h	mm/h	

0 - 0.1 0.1 - 0.2 0.2 - 0.3

0.2 - 0.3 0.3 - 0.6 0.6 - 0.76 0.76 - 0.9 0.9 - 1.2 1.2 - 1.5 1.5 - 1.8

1.8 - 2 2 - 2.29 2.29 - 2.68 2.72 - 3

Project Name: Project Code: Agency Name: YAL

YAL Site ID: P553A CSIRO Division of Soils (WA) Observation ID: 1

3 - 3.45

YAL **Project Name:**

Project Code: YAL Site ID: P553A Observation ID: 1

Agency Name: **CSIRO Division of Soils (WA)**

Laboratory Analyses Completed for this profile

Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded 15_NR_CA 15_NR_K 15_NR_MG 15_NR_NA Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen) 15J_H

19A1 Carbonates - rapid titration 3A1 EC of 1:5 soil/water extract pH of 1:5 soil/water suspension 4A1

Chloride - 1:5 soil/water extract, automated colour 5A2

6A1_UC Organic carbon (%) - Uncorrected Walkley and Black method

7_NR Total nitrogen (%) - Not recorded

P10_GRAV

Gravel (%) Clay (%) - Plummet balance P10_PB_C P10_PB_CS Coarse sand (%) - Plummet balance P10_PB_FS P10_PB_Z Fine sand (%) - Plummet balance Silt (%) - Plummet balance