

Project Name: Frankland land resources survey
Project Code: FRA **Site ID:** 0824 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Angela Stuart-Street	Locality:	
Date Desc.:	10/12/98	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6212355 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	516245 Datum: AGD84	Drainage:	Well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Duneslope	Slope Category:	No Data
Slope:	0.5 %	Aspect:	No Data

Surface Soil Condition Loose

Erosion: (wind); (scald) (sheet) (wave) (rill) (mass)
(gully) (stbank) (tunnel)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Arenic Yellow-Orthic Tenosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Limited clearing, for example selective logging

Vegetation:

Surface Coarse No surface coarse fragments

Profile

A11	0 - 0.1 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Dry; Loose consistence; Abrupt, Smooth change to -
A21	0.1 - 0.24 m	Yellow (10YR7/6-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Dry; Loose consistence; Gradual, Smooth change to -
A22	0.24 - 0.6 m	Yellow (10YR7/8-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Dry; Loose consistence; Gradual, Smooth change to -
B21	0.6 - 0.9 m	Brownish yellow (10YR6/8-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Dry; Loose consistence; Gradual, Smooth change to -
B22	0.9 - 1.1 m	Brownish yellow (10YR6/8-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Dry; Loose consistence; Gradual, Smooth change to -
B31	1.1 - 1.5 m	Yellow (10YR7/6-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent)
		fabric; Moderately moist; Loose consistence; Gradual, Smooth change to -
B32	1.5 - 1.8 m	Yellow (10YR7/6-Moist); , 0-0% ; Fine sand; Single grain grade of structure; Sandy (grains prominent)
		fabric; Moderately moist; Loose consistence; Gradual, Smooth change to -

Morphological Notes

Observation Notes

Site Notes

dune

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.6B 5.7H	2B	0.61H	0.13	0.04	0.03	0.1J		0.81D	
0.1 - 0.24	5B 6.2H	1B	0.2H	0.1	<0.02	<0.02	0.03J		0.32D	
0.24 - 0.6	5.5B 6.6H	1B	0.21A	0.15	0.03	0.02			0.41D	
0.6 - 0.9	5.6B 6.6H	1B	0.13A	0.1	0.02	0.03		<1J	0.28D	
0.9 - 1.1	5.5B 6.5H	1B	0.09A	0.06	0.02	0.02			0.19D	
1.1 - 1.5	5.5B 6.6H	0B	0.1A	0.09	0.02	0.02			0.23D	
1.5 - 1.8	5.4B 6.4H	0B	0.1H	0.06	<0.02	<0.02			0.18D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		0.66D		22B				0.7
1.7								
0.1 - 0.24		0.16D		13B				0.3
1.4								
0.24 - 0.6		0.1D		15B				0.3
1.5								
0.6 - 0.9		0.07D		14B				0
1.3								
0.9 - 1.1		0.05D		12B				0.1
1.1								
1.1 - 1.5		0.05D		12B				0.1
1								
1.5 - 1.8		0.04D		10B				0.2
1								

Laboratory Analyses Completed for this profile

15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - 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
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases

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15L1_a	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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)