Project Name:	Eyı EP	re Peninsula Soil Survey Site ID:		0	bservatio		4
Project Code: Agency Name:		IRO Division of Soils (SA	A1225 A)	0	DServatic	. טו ווס	1
Site Information	n	-	-				
Desc. By:		olm J. Wright	Locality:		South of district.	Colley or	n the road to Port Kenny, Venus
Date Desc.:	20/10		Elevation:		No Data		
Map Ref.: Northing/Long.:	1:100 134.7		Rainfall: Runoff:		No Data Rapid		
Easting/Lat.:	-33.0	8333333	Drainage:		Well drai	ned	
<u>Geology</u> ExposureType:	Soil p	<b></b>	Conf. Sub.	ic Doro	nt Mati	No Dat	<b>^</b>
Geol. Ref.:	No D		Substrate I			No Dat	
Land Form							
Rel/Slope Class: Morph. Type:	No D Mid-s		Pattern Ty Relief:	pe:	No Data No Data		
Elem. Type:	No D	•	Slope Cate	egory:	No Data		
Slope:	%		Aspect:		No Data		
Surface Soil Co	onditio	<u>on (dry):</u>					
Erosion:							
Soil Classificat							N1/A
Australian Soil C	lassifi	cation:			ng Unit: pal Profile	Form <sup>.</sup>	N/A Gc1.12
ASC Confidence	:				Soil Group		Solonized brown
Confidence level	•	ecified					soil
Site Disturband	:e:						
Vegetation:	Ta	all Strata - Tree mallee, , . *Sr	pecies include	es - Non	e Recorde	d	
Surface Coarse							
Profile Morphol	logy						
0 - 0.1 m		Dark brown (10YR3/3-Moist structure; Very weak consis (2 - 10 %), Calcareous, Fine	tence; Comm	non (10 ·	- 20 %), Ca	alcareous	s, , Soft segregations; Few
0.1 - 0.2	m	Dark brown (10YR3/3-Moist structure; Very weak consis (2 - 10 %), Calcareous, Fine	tence; Comm	non (10 ·	- 20 %), Ca	alcareous	s, , Soft segregations; Few
0.2 - 0.3	m	Brown (10YR4/3-Moist); Pa structure; Very weak consis (2 - 10 %), Calcareous, Fine	tence; Comm	non (10 ·	- 20 %), Ca		
0.3 - 0.4	m	Yellowish brown (10YR5/4-I Massive grade of structure; segregations; Many (20 - 50	Very weak c	onsisten	ice; Many (	(20 - 50 9	Dry); ; Fine sandy loam; %), Calcareous, , Soft
0.4 - 0.6	m	Brown (7.5YR5/4-Moist); Pi weak consistence; 2-10%, c segregations; Few (2 - 10 %	coarse fragme	ents; Ma	any (20 - 50	) %), Cal	careous, , Soft
0.6 - 0.8	m	Brown (7.5YR5/4-Moist); Pi Weak consistence; Many (2 Calcareous, , Concretions;	nk (7.5YR7/4 20 - 50 %), Ca	l-Dry); ; alcareou	Fine sandy is, , Soft se	/ loam; N egregatio	lassive grade of structure; ns; Common (10 - 20 %),
0.8 - 1 m			e; Many (20 -				m (Light); Massive grade of segregations; Many (20 - 50
1 - 1.2 m		Brown (7.5YR5/4-Moist); Pi structure; Weak consistence many (50 - 100 %), Calcare	e; Very many	(50 - 10			
1.2 - 1.4	m	Reddish yellow (7.5YR6/5-M Weak consistence; Very ma 100 %), Calcareous, , Nodu	any (50 - 100				Massive grade of structure; regations; Very many (50 -
Morphological	Notes	3					

### Morphological Notes

## Project Name:Eyre Peninsula Soil SurveyProject Code:EPSite ID:Agency Name:CSIRO Division of Soils (SA)

Observation ID: 1

Some rounded fragments of pupal cases. Gravels - feranginous and quartzitic. Derived from granite.

### **Observation Notes**

Vegetation: dense low mallee/broombush woodland. Soil family: Unit 40 (Colley).

## Site Notes

Landform: Mid-slope to granite high.

Project Name:	Eyre Peninsula Soil Survey							
Project Code:	EP	Site ID:	A1225	Observation ID:				
Agency Name:	CSIRO Division of Soils (SA)							

#### Laboratory Test Results:

рН	1:5 EC		•		Na	Exchangeable Acidity	CEC	ECEC	ESP
	dS/m	0a	ing	N					%
8.5A	0.98A	20K	8.2	2.1	2		34J	32D	5.88
9.2A	2.28A	7.6K	6.7	2.5	8.4		23J	25D	36.52
9.7A 9.8A	2.38A 2.42A	1.5K	5.4	2.2	10		15J	19D	66.67
9.7A 9.5A	2.44A 2.31A								
9.6A 9.6A	2.55A 2.54A	2.1K	5.3	1.7	9.2		20J	18D	46.00
	8.5A 8.7A 9.2A 9.7A 9.8A 9.7A 9.5A 9.6A	dS/m 8.5A 0.98A 8.7A 1.77A 9.2A 2.28A 9.7A 2.38A 9.8A 2.42A 9.7A 2.44A 9.7A 2.31A 9.5A 2.31A 9.6A 2.55A	Ca dS/m   8.5A 0.98A 20K   8.7A 1.77A   9.2A 2.28A 7.6K   9.7A 2.38A   9.8A 2.42A 1.5K   9.7A 2.31A   9.5A 2.31A   9.6A 2.55A 2.1K	Ca Mg   dS/m dS/m   8.5A 0.98A 20K 8.2   8.7A 1.77A 9.2A 2.28A 7.6K 6.7   9.7A 2.38A 9.8A 2.42A 1.5K 5.4   9.7A 2.34A 9.5A 2.31A 9.6A 2.55A 2.1K 5.3	Ca Mg K   dS/m dS/m K   8.5A 0.98A 20K 8.2 2.1   8.7A 1.77A 2.28A 7.6K 6.7 2.5   9.7A 2.38A 9.8A 2.42A 1.5K 5.4 2.2   9.7A 2.44A 9.5A 2.31A 9.6A 2.55A 2.1K 5.3 1.7	Ca Mg K Na Cmol   8.5A 0.98A 20K 8.2 2.1 2   8.7A 1.77A 2.28A 7.6K 6.7 2.5 8.4   9.7A 2.38A 9.8A 2.42A 1.5K 5.4 2.2 10   9.7A 2.34A 9.5A 2.31A 9 9.6A 2.55A 2.1K 5.3 1.7 9.2	Ca Mg K Na Acidity Cmol (+)/kg   8.5A 0.98A 20K 8.2 2.1 2   8.7A 1.77A 2.28A 7.6K 6.7 2.5 8.4   9.7A 2.38A 9.8A 2.42A 1.5K 5.4 2.2 10   9.7A 2.44A 9.5A 2.31A 9 9.2 2.55A 2.1K 5.3 1.7 9.2	Ca Mg K Na Acidity   dS/m Cmol (+)/kg Cmol (+)/kg 34J   8.5A 0.98A 20K 8.2 2.1 2 34J   8.7A 1.77A 34J 34J 34J 34J   9.2A 2.28A 7.6K 6.7 2.5 8.4 23J   9.7A 2.38A 34J 34J 34J 34J   9.7A 2.42A 1.5K 5.4 2.2 10 15J   9.7A 2.44A 35.4 34J 34J 34J 34J   9.5A 2.31A 34J 34J 34J 34J 34J   9.6A 2.55A 2.1K 5.3 1.7 9.2 20J	Ca Mg K Na Acidity Cmol (+)/kg   8.5A 0.98A 20K 8.2 2.1 2 34J 32D   8.7A 1.77A 9.2A 2.28A 7.6K 6.7 2.5 8.4 23J 25D   9.7A 2.38A 9.8A 2.42A 1.5K 5.4 2.2 10 15J 19D   9.7A 2.44A 9.5A 2.31A 9.6A 2.55A 2.1K 5.3 1.7 9.2 20J 18D

1

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Densitv	Pa GV	article CS	Size FS	Analysi Silt	s Clav
m	%	%	mg/kg	%	%	%	Mg/m3	01	00	%	om	Olay
0 - 0.1	23B	4.48A	24E		0.21A	A			13D	25	12	20
0.1 - 0.2	27B	2.94A							11D	24	10	19
0.2 - 0.3	26B	2.25A							10D	23	10	25
0.3 - 0.4	37B	0.89A							9D	22	8	17
0.4 - 0.6	41B	0.82A							11D	20	9	15
0.6 - 0.8	41B	0.84A							11D	19	10	13
0.8 - 1	49B	0.43A							8D	18	8	14
1 - 1.2	50B	0.72A							7D	16	8	17
1.2 - 1.4	58B	0.15A							4D	12	8	16

Depth	COLE	Gravimetric/Volumetric Water Contents							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						mm/h	mm/h	

0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.6 0.6 - 0.8 0.8 - 1 1 - 1.2 1.2 - 1.4

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## Laboratory Analyses Completed for this profile

12C2 15_NR_CA 15_NR_CEC 15_NR_K 15_NR_MG 15_NR_NA 15J_BASES	Calcium chloride extractable boron - ICPAES Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded CEC - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Ma++) - meq per 100g of soil - Not recorded Sum of Bases
18B2	Sulfuric acid (10%)- extractable potassium
19B1	Carbonates - manometric
2_LOI	Loss on Ignition (%)
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	Organic carbon - Walkley and Black
7A2	Total nitrogen - semimicro Kjeldahl, automated colour
9B2	Bicarbonate-extractable phosphorus - automated colour
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
P10_PB1_C	Clay (%) - Plummet balance (Acid digestion pretreatment)
P10_PB1_CS	Coarse sand (%) - Plummet balance (Acid digestion pretreatment)
P10_PB1_FS	Fine sand (%) - Plummet balance (Acid digestion pretreatment)
P10_PB1_Z	Silt (%) - Plummet balance (Acid digestion pretreatment)

#### Observation ID: 1