Projec	ct Name: ct Code: cy Name:	Rhy	ynie Soil Survey ynie Site ID: RO Division of Soils (SA	A1269 A)	OI	bservatio	on ID: ′	1		
Site Information										
Desc. I Date D Map Re	By: besc.: ef.: ng/Long.: g/Lat.:	N.J. M 01/11/ Sheet 62168	IcKenzie /88 No. : 6629-18 1:10000 990 AMG zone: 54 20 Datum: AGD66	Locality: Elevation: Rainfall: Runoff: Drainage:		No Data No Data No Data No Data				
	ureType:	Undis No Da	turbed soil core ata	Conf. Sub. is Pare Substrate Materia			No Data No Data			
Rel/Slo Morph Elem. Slope:	urface Soil Condition (ata ata	Pattern Type: Relief: Slope Category: Aspect:		No Data No Data No Data No Data				
Soil C	lassificati	on								
Austra N/A ASC C Confid	l ian Soil Cl a Confidence: lence level n	assific			Princip	ng Unit: bal Profile Soil Group		N/A N/A N/A		
Site D	isturbanc	<u>e:</u>								
Veget										
<u>Surfac</u>	ce Coarse	Frag	ments:							
	e Morphol								_	
A1	0 - 0.1 m		Yellowish red (5YR3/6-Mois Subangular blocky; Rough-p change to -							
B21	0.1 - 0.2 r	n	Reddish brown (5YR4/4-Mo Massive grade of structure, consistence; Few cutans, <	20-50 mm, Ar	ngular b	locky; Rou	igh-ped f	abric; Dry; V	/ery strong	
B21	0.2 - 0.3 r	m	Reddish brown (5YR4/4-Mo Massive grade of structure, consistence; Few cutans, <	20-50 mm, Ar	ngular b	locky; Rou	igh-ped f	abric; Dry; ∖	ery strong	
B21	0.3 - 0.4 r	n	Yellowish red (5YR4/6-Mois Angular blocky; Rough-ped or walls coated, faint; Field	fabric; Dry; Ve	ery stro	ng consist	ence; Fev			
B22	0.4 - 0.5 r	n	Reddish brown (5YR4/4-Mo grade of structure, 20-50 mr Few cutans, <10% of ped fa mm), Soft segregations; , , ,	m, Angular blo aces or walls c	cky; Ro oated,	ough-ped f faint; Few	abric; Dry (2 - 10 %	; Very stron	ig consistence;)
B22	0.5 - 0.7 r	n	Reddish brown (5YR4/4-Mo grade of structure, 20-50 mr Few cutans, <10% of ped fa mm), Soft segregations; , , ,	m, Angular blo aces or walls c	cky; Ro oated,	ough-ped f faint; Few	abric; Dry (2 - 10 %	y; Very stron), Calcareou	ig consistence;	3
B23	0.7 - 0.85	m	Yellowish red (5YR5/6-Mois blocky; Rough-ped fabric; D coated, faint; Common (10 - Nodules; Field pH 9 (Raupa	ry; Strong cor 20 %), Calca	isistenc reous,	ce; Few cu Medium (2	tans, <10	% of ped fa	ces or walls	
B3	0.85 - 1.1	m	Reddish brown (5YR5/4-Mo of structure, 10-20 mm, Ang <10% of ped faces or walls Soft segregations; Field pH	ular blocky; R coated, faint;	ough-p Many	ed fabric; (20 - 50 %	Dry; Stroi), Calcare	ng consister	nce; Few cutans,	

Projec	ct Code:	Rhynie Soil Survey Rhynie Site ID: A1269 Observation ID: 1 CSIRO Division of Soils (SA)						
B41	1.1 - 1.45 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR46, 20-50%, 5-15mm, Prominent; Light medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Rough-ped fabric; Dry; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Common (10 - 20%), Calcareous, Medium (2 -6 mm), Soft segregations; , , , Nodules; Field pH 9 (Raupach); Clear change to -						
B42	1.45 - 1.9 m	Light brownish grey (2.5Y6/3-Moist); , 10YR63, 20-50% , 15-30mm, Distinct; , 2.5YR46, 20-50% , 15-30mm, Distinct; Light medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Rough-ped fabric; Dry; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 8.5 (Raupach); Abrupt change to -						
R	1.9 - m	Rock						
Morph	ological No	tes						
A1		A hydrologically complex profile. Original A11 lost by erosion(?) leaving the high chroma, hence the very bright paddock observation. Current A1 is shallow and degraded with a very sharp (plough induced?) boundary.						
B21		The B2 is massive and tough, very pedal. Mottle in the B21 is in the peds.						
B21		Carbonate enters at 40cm and eventually gets a carbonate rich, pale layer (B23/B3).						
B22		Mottle in the B22 is in the coatings.						
B3 B41		Mottle, carbonate. The B4 is high in clay but is light textured - there is a clear Fe mottling, particularly						
		along the distinct fissures - Manganese nodules increase. Also cream carbonate						
B42		The B42 is a lateral transmission zone and is carbonate free.						
R		Overlying Woolshed Flat Shale at 1.95m.						
Observation Notes								
Site N	otos							

Site Notes

Project Name:	Rhynie Soil Surv	vey			
Project Code:	Rhynie	Site ID:	A1269	Observation ID:	1
Agency Name:	CSIRO Division	of Soils (S.	A)		

Laboratory Test Results:

Laboratory Test Results:										
Depth	рН	1:5 EC		hangeable Mg	Cations K	Ex Na	changeable Acidity	CEC	ECEC	ESP
m		dS/m		5		Cmol (+)/k	g			%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.7 0.7 - 0.85 0.85 - 1.1 1.1 - 1.45 1.45 - 1.9 1.9 -							-			
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Part	icle Size	Analysis
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS FS %	Silt Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.7 0.7 - 0.85 0.85 - 1.1 1.1 - 1.45 1.45 - 1.9 1.9 -										
Depth	COLE		Grav	imetric/Vo	lumetric W	ater Conte	nts		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar g - m3/m3	1 Bar	5 Bar 15	Bar	mm/h	mm/h
$\begin{array}{c} 0 - 0.1 \\ 0.1 - 0.2 \\ 0.2 - 0.3 \\ 0.3 - 0.4 \\ 0.4 - 0.5 \\ 0.5 - 0.7 \\ 0.7 - 0.85 \\ 0.85 - 1.1 \\ 1.1 - 1.45 \\ 1.45 - 1.9 \\ 1.9 - \end{array}$										

Project Name:Rhynie Soil SurveyProject Code:RhynieSite ID:Agency Name:CSIRO Division of Soils (SA)

Observation ID: 1

Laboratory Analyses Completed for this profile