

**Project Name:** Manual of Austalian Soils  
**Project Code:** MAS **Site ID:** A537 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	C.G. Stephens	<b>Locality:</b>	
<b>Date Desc.:</b>	18/06/57	<b>Elevation:</b>	0 metres
<b>Map Ref.:</b>	Sheet No. : 6627-111 1:10000	<b>Rainfall:</b>	760
<b>Northing/Long.:</b>	138.606388	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-35.3405555555556	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Closed Depression	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Swamp	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	0 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Humose Regolithic Chernic Tenosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Acid peat
Analytical data are incomplete but reasonable confidence.			

**Site Disturbance:** Cultivation. Irrigated, past or present

**Vegetation:** Low Strata - Tussock grass, , . \*Species includes - None recorded

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.05 m	; Weak grade of structure, Granular; Loose consistence; Field pH 6 (pH meter); Abundant, fine (1-2mm) roots; Diffuse change to -
0.05 - 0.15 m	; Weak grade of structure, Granular; Loose consistence; Field pH 6 (pH meter);
0.15 - 0.33 m	; , Columnar; Very weak consistence; Sharp change to -
0.33 - 0.38 m	; Sand; Single grain grade of structure; Very firm consistence; Diffuse change to -
0.38 - 0.51 m	; Sand; Single grain grade of structure; Firm consistence; Diffuse change to -
0.51 - 0.81 m	; Sand; Single grain grade of structure;
0.81 - 1.27 m	; Sand; Single grain grade of structure;

**Morphological Notes**

**Observation Notes**

NO TEXTURES FOR FIRST 3 LAYERS AS THEY ARE PEAT

**Site Notes**

MT. COMPASS

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[illegible]

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**Laboratory Analyses Completed for this profile**

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
17A_NR	Total element - K(%) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded