

Project Name: GYC
Project Code: GYC **Site ID:** B534 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	22/11/63	Elevation:	110 metres
Map Ref.:	Sheet No. : 9445 1:100000	Rainfall:	0
Northing/Long.:	152.819444444444	Runoff:	Slow
Easting/Lat.:	-26.1708333333334	Drainage:	Moderately well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Rlk	Substrate Material:	Soil pit, 1 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Dystrophic Red Kandosol		Principal Profile Form:	Gn2.14
ASC Confidence:		Great Soil Group:	Red earth

All necessary analytical data are available.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , Closed or dense. *Species includes - Imperata cylindrica
Mid Strata - Tree, , . *Species includes - Banksia integrifolia
Tall Strata - Tree, , Mid-dense. *Species includes - Eucalyptus propinqua, Trigonella suavisissima

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.13 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam (Heavy); Strong grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Clear change to -
B1	0.13 - 0.24 m	Reddish brown (5YR4/3-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Gradual change to -
B21	0.24 - 0.58 m	Dark red (2.5YR3/6-Moist); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Moist; Very weak consistence; 10-20%, coarse gravelly, 20-60mm, Sandstone, coarse fragments; Gradual change to -
B22	0.58 - 0.91 m	Red (2.5YR4/6-Moist); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Moist; Weak consistence; 20-50%, coarse gravelly, 20-60mm, Sandstone, coarse fragments;

Morphological Notes

Observation Notes

0-13CM POROUS GRANULAR STRUCTURE.

Site Notes

NEUSAVALE

Observation ID: 1

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 - 0.13	5.6H	0.01B	1.1K	0.87	0.14	0.33	11.1D			
0.13 - 0.24	5.4H	0.01B	0.51K	0.56	0.04	0.32	6.3D			
0.24 - 0.58	5.9H	0.01B	0.46K	0.39	0.02	0.2	6.4D			
0.58 - 0.91	6H	0.01B								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.13		1.83A	6C	0.026F	0.146B			3	44C	22	14	15
0.13 - 0.24		0.93A						10	43C	21	14	18
0.24 - 0.58		0.44A		0.023F				17	40C	20	14	27
0.58 - 0.91								45	32C	16	12	42

[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_H	Hydrogen Cation - 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
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
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