

Project Name: CAS
Project Code: CAS **Site ID:** NT89 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NT)

Site Information

Desc. By:	W.H. Litchfield	Locality:	ON FLOODPLAIN OF HARRY CREEK
Date Desc.:	18/07/61	Elevation:	720 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	133.728055555556	Runoff:	Slow
Easting/Lat.:	-23.274722222222	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Flood plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	N/A
		Great Soil Group:	N/A

Site Disturbance:

Vegetation:

Tall Strata - Shrub, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.4 m	Reddish brown (5YR4/4-Moist); ; Silty medium clay; Weak grade of structure, 2-5 mm, Polyhedral; Very firm consistence; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Diffuse change to -
0.4 - 0.8 m	Reddish brown (5YR4/4-Moist); ; Silty medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Strong consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Diffuse change to -
0.8 - 1 m	Reddish yellow (7.5YR6/6-Moist); ; Silty clay loam; Single grain grade of structure; Very firm consistence; Clear change to -
1 - 1.18 m	Reddish yellow (7.5YR6/6-Moist); ; Silty clay loam; Single grain grade of structure; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Clear change to -
1.18 - 1.33 m	Brown (7.5YR5/4-Moist); ; Loam; Single grain grade of structure; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
1.33 - 1.41 m	Brown (7.5YR5/4-Moist); ; Loamy sand; Single grain grade of structure; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
1.41 - 1.51 m	Light reddish brown (5YR6/4-Moist); ; Silty clay loam; Single grain grade of structure; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Clear change to -
1.51 - 1.66 m	Reddish brown (5YR5/4-Moist); ; Silty clay loam; 5-10 mm, Angular blocky; Strong consistence; 20-50%, Sand, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations;
1.91 - 2.21 m	Reddish brown (5YR5/4-Moist); ; Silty clay loam; 5-10 mm, Angular blocky; Strong consistence; 20-50%, Sand, coarse fragments; Very few (0 - 2 %), Calcareous, , Soft segregations;
2.21 - 2.57 m	Reddish brown (5YR5/4-Moist); ; Silty clay loam; 5-10 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
2.57 - 2.62 m	Yellowish red (5YR4/6-Moist); ; Coarse sandy medium clay; Strong consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
2.62 - 2.7 m	Yellowish red (5YR4/6-Moist); ; Clayey sand; 10-20 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations;

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2.73 - 2.99 m	Reddish brown (5YR5/4-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations;
2.99 - 3.24 m	Reddish brown (5YR5/4-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; Sharp change to -
3.29 - 3.54 m	Brown (7.5YR5/4-Moist); , 10YR53; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Strong consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions;

Morphological Notes

KO1
KO2
K21
K22
K23
KM1
KM2
KM3
KM3
KM3
K31
K32
K33
K33
K34

Observation Notes

FREQUENT MICA THROUGH SAMPLE:

Site Notes

HARRY CREEK 1

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[illegible]

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2.62 - 2.7
2.73 - 2.99
2.99 - 3.24
3.29 - 3.54

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - 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
7_NR	Total nitrogen (%) - 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