**Project Name:** **Banded Iron Formation Ecological Survey**
**Project Code:** **BIF** **Site ID:** **JACK38** **Observation ID:** **1**
**Agency Name:** **WA Department of Environment and Conservation**

## Site Information

| | | | |
|---|---|---|---|
| **Desc. By:** | | **Locality:** | Jack Hills Range, Western Australia |
| **Date Desc.:** | 30/08/05 | **Elevation:** | 427 metres |
| **Map Ref.:** | | **Rainfall:** | No Data |
| **Northing/Long.:** | 117.32199566 | **Runoff:** | Slow |
| **Easting/Lat.:** | -26.01435891 Datum: GDA94 | **Drainage:** | No Data |

## Geology

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

## Landform

| | | | |
|---|---|---|---|
| **Rel/Slope Class:** | No Data | **Pattern Type:** | No Data |
| **Morph. Type:** | Crest | **Relief:** | No Data |
| **Elem. Type:** | Hillcrest | **Slope Category:** | No Data |
| **Slope:** | 18 % | **Aspect:** | 110 degrees |

## Surface Soil Condition

## Erosion

## Soil Classification

**Australian Soil Classification:**
N/A
**ASC Confidence:**
Confidence level not specified

**Mapping Unit:** N/A
**Principal Profile Form:** N/A
**Great Soil Group:** N/A

## Site Disturbance

No effective disturbance other than grazing by hoofed animals

## Vegetation

## Surface Coarse Fragments

20-50%, bouldery, 600mm-2m, ,

## Profile Morphology

0 - 0.1 m ;

## Morphological Notes

## Observation Notes

## Site Notes

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## Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | | Exchangeable | CEC | ECEC | ESP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Ca | Mg | K | Na | Acidity | | | |
| m | | dS/m | | | | Cmol (+)/kg | | | | % |
| 0 - 0.1 | 4.1B | | | | | | | | 1.9F | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GV | CS | FS | Silt |
| | | Clay | | | | | | | | | |
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | |
| 0 - 0.1 | | 0.95A | | | 0.082A | | | | | | |

### Laboratory Analyses Completed for this profile

| | |
|---|---|
| 15J1 | Effective CEC |
| 18F1_B | Mehlich 3 - extractable Boron |
| 18F1_CA | Mehlich 3 - extractable Calcium |
| 18F1_CD | Mehlich 3 - extractable Cadmium |
| 18F1_CO | Mehlich 3 - extractable Cobalt |
| 18F1_CU | Mehlich 3 - extractable Copper |
| 18F1_FE | Mehlich 3 - extractable Iron |

| | |
|---|---|
| 18F1_K | Mehlich 3 - extractable Potassium |
| 18F1_MG | Mehlich 3 - extractable Magnesium |
| 18F1_MN | Mehlich 3 - extractable Manganese |
| 18F1_MO | Mehlich 3 - extractable Molybdenum |
| 18F1_NA | Mehlich 3 - extractable Sodium |
| 18F1_NI | Mehlich 3 - extractable Nickel |
| 18F1_P | Mehlich 3 - extractable Phosphorus |
| 18F1_PB | Mehlich 3 - extractable Lead |
| 18F1_S | Mehlich 3 - extractable Sulfur |
| 18F1_ZN | Mehlich 3 - extractable Zinc |
| 4B1 | pH of 1:5 soil/0.01M calcium chloride extract - direct |
| 6A1 | Organic carbon - Walkley and Black |
| 7A2 | Total nitrogen - semimicro Kjeldahl , automated colour |