

## Site: 23-4-9 Harts Range

**Level of significance:** national

**Location:** 23° 4' S 134° 55' E; ca. 120 km north east of Alice Springs.

**Area:** 273 km<sup>2</sup>      **Map sheet:** Alice Springs SF 53-14

**Bioregions:** MacDonnell Ranges (MAC 71.6%) & Burt Plain (BRT 28.4%)

**Tenure:** Pastoral Lease - Ambalindum Station (14% of site) and Mount Riddock Station (84% of site); Freehold - Akekarrwenteme Ureyenge Aboriginal Land Trust (1% of site)

**Description:** This site includes most of the Harts Range including Mount Palmer, Mount Brassey and surrounding peaks hills and footslopes. The geology of these ranges is primarily amphibolite and gneiss which are rich in mafic minerals and weather to nutrient rich soils.

**Notes:** This site supports populations of rare and threatened plant taxa and unique plant communities. Along with the Strangways Range it supports one of only two known populations of the rare and restricted *Hydrocotyle D62620 Harts Range*.

**Criteria satisfied:** B1 b1 ii), B1 b2 ii)

**Taxa of Australian significance:** *Austrostipa centralis* {3RC- [NE]}, *Gossypium nelsonii* {3RC-}, *Hydrocotyle D62620 Harts Range* {2R [E]}, *Macrozamia macdonnellii* {3VCa [N]}, *Samolus eremaeus* {3KC-}

**Taxa of NT significance:** *Lythrum paradoxum* {3k}

**Taxa of Southern NT (study area) significance:** none

**Taxa of bioregional significance:** *Aristida latzii* {MAC (northern range limit) [N]}, *Brachycome blackii* {northern and eastern range limit [NE]}, *Pleurosorus subglandulosus* {MAC (northern range limit) [N] only known in BRT from this site}

**Other taxa only known in BRT bioregion from this site:** *Chenopodium desertorum subsp. anidiophyllum*, *Nicotiana gossei*

**Vegetation Map Units** (mapped as occurring at the site on the 1:1000,000 NT Vegetation Survey Map):

Map unit 68 (77 %): *Acacia kempeana* (Witchetty Bush) *Acacia* tall open-shrubland with *Senna*, *Eremophila* (Fuchsia) open-shrubland understorey.

Map unit 58 (22 %): *Acacia aneura* (Mulga)/mixed species low open-woodland with open-grassland understorey.

Map unit 59 (1 < %): *Acacia estrophiolata* (Ironwood), *Atalaya hemiglauca* (Whitewood) low open-woodland with open-grassland understorey.

