

#### 2.2.4 *Cycas arnhemica* K.Hill

**Species description:** Medium cycad up to 6 m with a slender trunk 12-19 cm in diameter. Leaves 65-110 cm long with 120-270 leaflets attached to the rachis at 45-70° with the midrib prominent below and only slightly, if at all, raised above. For a detailed description see Hill 1994.

**Habitat:** Found in savanna forests dominated by *Eucalyptus tetradonta* and *E. miniata* on deep white to yellow sands over laterite.

**Range:** *Cycas arnhemica* is found around the Goyder River and south Arnhem Land. The exact extent of the population is unknown.

**Land tenure:** All stands are on Aboriginal land. It is not included in any National Parks or Reserves.

**Population dynamics:** Unknown

**General status:** The species has only recently been described and only collection data are available. It is believed to be locally abundant over a large area (Hill, 1994).

**Potential threats:** With little known about the species, potential threats cannot be evaluated. However, frequent fires have reduced the numbers of viable seed (Hill, 1994).



#### 2.2.5 *Cycas brunnea* K.Hill

**Species description:** Medium to large cycad up to 10 m and 30 cm in diameter. Leaves 125-180 cm have 200-240 leaflets attached to the rachis at 40-50° with midrib only slightly raised above, but prominent below. For a detailed description see Hill 1992 or Jones 1993.

**Habitat:** The area is a small open creek valley with sandy loam derived from sandstone.

**Range:** Known from only one population in the Northern Territory off Settlement Creek on Wollogorang Station, while other populations are found around Lawn Hill in western Queensland. Further examination of the Settlement Creek area may reveal additional populations.

**Land tenure:** The population is on a pastoral lease. It is not included in any National Parks or Reserves.

**Population dynamics:** In the main grouping the ratio of juveniles (non-seedlings without trunks) to trunked specimens is approximately 4:3. Plants as short as 1-2 m may be mature, and

