

## HERDSMAN LAKE

**Boundary Definition:** protected area/conservation wetland boundary

### **SECTION 1: LOCATION INFORMATION**

**Bush Forever Site no.** 281

**Area (ha):** bushland 22.6 (Site also includes open water.)

**Map no.** 40, 46

**Map sheet series ref. no.** 2034-II SW

**Other Names:** part of Herdsman Regional Park

**Local Authorities (Suburb):** City of Stirling (Herdsman, Churchlands, Glendalough)

**Includes CALM Managed Land:** Reserve 31906 (Environmental Education and Conservation of Flora and Fauna)

**System 6 (1983):** M43 part System area bushland, only bushland described

### **SECTION 2: REGIONAL INFORMATION**

#### **LANDFORMS AND SOILS**

##### **Spearwood Dunes**

Sands derived from Tamala Limestone (Qts: S7)

##### **Wetlands (within the Spearwood Dunes)**

Holocene Swamp Deposits (Qhw: Cps)

#### **VEGETATION AND FLORA**

##### **Vegetation Complexes**

###### **Wetlands**

Herdsman Complex

**Floristic Community Types:** not sampled, insufficient vegetation

#### **WETLANDS**

**Wetland Types:** lake, artificial channel

##### **Natural Wetland Groups**

###### **Spearwood Dunes**

Balcatta (S.2)

**Wetland Management Objectives:** Conservation (307.5ha)

**Swan Coastal Plain Lakes EPP:** 252.3ha

**THREATENED ECOLOGICAL COMMUNITIES**

Not determined

**SECTION 3: SPECIFIC SITE DETAIL**

**Landscape Features:** open water, vegetated wetland

**Vegetation and Flora**

**Structural Units:** mapping (EPA and WAWA 1990)

Wetlands: *Eucalyptus rudis* Woodland; *Melaleuca* sp. Low Woodland; *Melaleuca raphiophylla* Low Open Forest, *Baunaea articulata* Sedgeland

**Scattered Native Plants:** *Eucalyptus rudis* Woodland and *Melaleuca* sp. Low Woodland — regionally significant vegetation recognised as being in the area of Site in need of protection

**Vegetation Condition:** <10% Good, >90% Degraded to Completely Degraded

**Total Flora:** not known

**Significant Flora:** none recorded

**Fauna:** multiple survey for birds (107 species) (RAOU 1996 D, 51 visits), limited survey for reptiles (7 species) (J. Dell pers. comm.). Good assemblage of ducks and other waterfowl including Hardhead, Australasian Shoveler, Blue-billed, Pink-eared and Musk Ducks, and Dusky Moorhen. Important feeding site for birds of prey, including Swamp Harrier, and aerial insectivores, including Tree Martin and Welcome Swallow (J. Dell pers. comm.).

Significant bird species: category 1 (2), category 2 (6), category 3 (9), and category 4 (4). Significant reptile species: Mourning Skink (*Egernia luctuosa*). Important research and teaching site

**Linkage:** no adjacent bushland; part of Greenways 23, 30 (Tingay, Alan & Associates 1998a); part of a regionally significant potential bushland/wetland linkage (Part A, Map 7)

**Other Special Attributes:** to become the 'Herdsman Lake Regional Park' (State Government Cabinet Minute 5 May 1997)

**SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE**

Directory of Important Wetlands in Australia; Entered in the Register of the National Estate; Location for JAMBA/CAMBA species; subject to protection under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*

**SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS**

**Criteria:** Rarity, General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation, Criteria not relevant to determination of regional significance, but which may be applied when evaluating areas having similar values

**Recommendation:** Site with Some Existing Protection; The care, control and management of this area for conservation purposes within Herdsman Lake Regional Park is endorsed (see Table 3, Volume 1).