

## SHIRE VIEW HILL AND ADJACENT BUSHLAND, NOWERGUP/NEERABUP

**Boundary Definition:** protected area/management/bushland boundary (Areas of bushland within the boundaries of the Site are not accurately mapped.)

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

**Bush Forever Site no.** 293

**Area (ha):** bushland 268.1

**Map no.** 20, 21

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

**Other Names:** part of proposed Gngangara Park, Submission Area 292

**Local Authorities (Suburb):** Shire of Wanneroo (Nowergup, Neerabup)

**Includes CALM Managed Land:** State Forest 65

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

#### **LANDFORMS AND SOILS**

##### **Spearwood Dunes**

Sands derived from Tamala Limestone (Qts: S7)

Tamala Limestone (Qtl: LS1)

#### **VEGETATION AND FLORA**

##### **Vegetation Complexes**

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

Karrakatta Complex — Central and South

Cottesloe Complex — Central and South

**Floristic Community Types:** \*not sampled, types inferred

###### **Supergroup 2: Seasonal Wetlands**

\*5 Mixed shrub damplands

###### **Supergroup 4: Uplands centred on Spearwood and Quindalup Dunes**

\*24 Northern Spearwood shrublands and woodlands

\*28 Spearwood *Banksia attenuata* or *B. attenuata* — *Eucalyptus* woodlands

26a *Melaleuca huegelii* — *M. acerosa* shrublands on limestone ridges

27 Species-poor mallees and shrublands on limestone

#### **WETLANDS**

**Wetland Types:** dampland

**Natural Wetland Groups:**

##### **Bassendean Dunes**

Pinjar (B.1)

**Wetland Management Objectives:** Conservation (25.5ha) (DEP 1996)

**Swan Coastal Plain Lakes EPP:** none identified

#### **THREATENED ECOLOGICAL COMMUNITIES**

Not assessed, Endangered (floristic community type 26a)

### **SECTION 3: SPECIFIC SITE DETAIL**

**Landscape Features:** limestone ridge, vegetated uplands, vegetated wetland

**Vegetation and Flora:** limited survey (DEP 1996, DEP 1999, Gibson *et al.* 1994 (SVH 01–02))

##### **Structural Units**

Uplands — Sands derived from Tamala Limestone: *Banksia attenuata* and *B. menziesii* Low Woodland with scattered emergent *Eucalyptus marginata*, *E. gomphocephala* and *E. todtiana*; mixed Open Heath

Uplands — Tamala Limestone: *Melaleuca systema* and *M. huegelii* Closed Heath; *Eucalyptus petrensis* Shrub Mallee; *Dryandra sessilis* var. *cygnorum* Closed Heath

Wetland: *Melaleuca preissiana* Low Open Woodland

**Scattered Native Plants:** not applicable

**Vegetation Condition:** >75% Excellent, <25% Very Good to Good, with areas of severe localised disturbance associated with tracks, pine plots and quarries

**Total Flora:** 73 native taxa, 18 weed taxa (part Site, plot-generated list only plus several dominants)

**Significant Flora:** possibly *Eucalyptus arguitifolia* (R) (recorded from north of Shire View Hill); *Stylidium maritimum* (3); *Podolepis canescens* (unusual form with white flowers, only record on the Swan Coastal Plain in the PMR), *Acacia alata* var. *tetrantha*; Typical Tamala Limestone Taxa —

*Melaleuca huegelii*, *Eucalyptus petrensis*, *Grevillea preissii*, *Stylidium maritimum*, *Acacia alata*  
var. *tetrantha*

**Fauna:** Significant reptile species: Carpet Python (*Morelia spilota*) (Submission no. 176f)

**Linkage:** adjacent bushland to the north (Site 135); south and west (Site 384); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

**Other Special Attributes:** recommended for protection in the study of City of Wanneroo (Trudgen 1996); part Site Threatened or Poorly Reserved Plant Community (EPA 1994 GIS); contains five regional floristic groups; Shire View Hill is one of the tallest limestone peaks on the Plain; part Site included in Gnangara Park proposal (Bailey 1997)

#### ***SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE***

Subject to protection under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*

#### ***SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS***

**Criteria:** Representation of ecological communities, Diversity, Rarity, Maintaining ecological processes or natural systems, Scientific or evolutionary importance, General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation

**Recommendation:** Part A: Site with Some Existing Protection; the existing care, control and management of this Site is endorsed (proposed 'Gnangara Park' – Cabinet 1996). Part B: Strategic Negotiated Planning Solution. Part C: Basic Raw Materials Negotiated Planning Solution (see Table 3, Volume 1).