

THE SPECTACLES

Boundary Definition: protected area boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 269

Area (ha): bushland 349.7 (Site also includes open water.)

Map no. 64, 65

Map sheet series ref. no. 2033-I SW

Other Names: Submission Area 6, part of Beeliar Regional Park

Local Authorities (Suburb): Town of Kwinana (The Spectacles)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Bassendean Dunes

Bassendean Sands (Qpb: S8) (at interface of Bassendean and Spearwood Dunes)

Spearwood Dunes

Sands derived from Tamala Limestone (Qts: S7)

Tamala Limestone (Qtl: LS1)

Wetlands (within the Spearwood/Bassendean Dunes interface)

Holocene Swamp Deposits (Qhw: Ms5)

VEGETATION AND FLORA

Vegetation Complexes

Bassendean Dunes

Bassendean Complex — Central and South (at interface of Bassendean Complex — Central and South and Karrakatta Complex — Central and South)

Spearwood Dunes

Karrakatta Complex — Central and South

Cottesloe Complex — Central and South

Wetlands

Herdsman Complex

Floristic Community Types: *not sampled, types inferred

Supergroup 2: Seasonal Wetlands

*11 Wet forests and woodlands

Supergroup 4: Uplands centred on Spearwood and Quindalup Dunes

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

WETLANDS

Wetland Types: sumpland, dampland, principal channel

Natural Wetland Groups

Bassendean Dunes

Jandakot (B.3)

Spearwood—Bassendean interface

Bibra (S/B.1)

Wetland Management Objectives: Conservation (166.7ha), Multiple Use

Swan Coastal Plain Lakes EPP: 62.1ha + 14.1ha = 76.2ha (total)

THREATENED ECOLOGICAL COMMUNITIES

Not assessed

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: open water (fresh), vegetated wetland, vegetated uplands

Vegetation and Flora: limited survey (EPA and WAWA 1990, Glossop 1979, Weston 1993)

Structural Units: mapping (EPA and WAWA 1990, Glossop 1979)

Uplands: *Eucalyptus calophylla* and *Banksia attenuata* Low Woodland

Wetlands: *Eucalyptus rudis* Low Woodland to Low Open Forest; *Melaleuca raphiophylla* and *M. teretifolia* Low

Closed Forest; *Melaleuca raphiophylla* Low Open Forest to Low Closed Forest; *Baumea articulata* Closed

Sedgeland; Mixed Sedgeland; *Leptocarpus* Open Sedgeland



Scattered Native Plants: *Melaleuca preissiana* Low Woodland; *Eucalyptus calophylla* and *Banksia attenuata* Low Woodland — regionally significant vegetation recognised as being included in the area of Site in need of protection

Vegetation Condition: >60% Excellent to Very Good, <40% Good to Degraded (Weston 1993)

Total Flora: 104 native taxa, 8 weed taxa (Glossop 1979) (estimated >75% expected flora)

Significant Flora: *Dodonaea hackettiana* (4)

Fauna: multiple survey for birds (RAOU 1996 D), limited survey for birds (AHC 2000 D). Equal highest number of breeding waterfowl (12 species) and equal 14th wetland for highest number of species (33) during RAOU wetland survey 1990-92 (Storey *et al.* 1993); Significant mammal species: Western Brush Wallaby and Quenda (AHC 2000 D); Significant reptile species: Lined Skink *Lerista lineata* (AHC 2000 D)

Linkage: adjacent bushland to the north (Site 268, across road), south (Site 272, across road), east (across freeway) and west; part of Greenways 78, 97 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: included in Beeliar Regional Park Proposal (DPUD 1992a)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Entered in the Interim List of the Register of the National Estate; Directory of Important Wetlands in Australia

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Diversity, Rarity, Maintaining ecological processes or natural systems, General criteria for the protection of wetland, streamline and estuarine fringing vegetation 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 Site for conservation purposes within Beeliar Regional Park is endorsed (see Table 3, Volume 1).