

SWAN RIVER SALTMARSHES, BAYSWATER/MAYLANDS

Boundary Definition: protected area/bushland (part taken to cadastre) boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 313

Area (ha): bushland 38.6

Map no. 48

Map sheet series ref. no. 2034-II SE

Other Names: Submission Area 209

Local Authorities (Suburb): City of Bayswater (Bayswater), City of Belmont (Ascot)

System 6 (1983): M51 area of bushland goes beyond System area boundaries, all bushland described

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qpa: Ms2) (Qha: Mc1)

Alluvial Colluvial Deposit (Qha/Qc: Ms4)

Bassendean Dunes

Bassendean Sands (Qpb: S8)

VEGETATION AND FLORA

Vegetation Complexes

Pinjarra Plain

Guildford Complex

Swan Complex

Floristic Community Types: not sampled, types not inferred

REGIONAL WETLANDS

Wetland Types: artificial channel, creek, estuary (waterbody), estuary (shoreline and peripheral)

Natural Wetland Groups

Estuaries

Swan River (E.2)

Wetland Management Objectives: Conservation (39.6ha, 393.8m)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, creek, estuary, vegetated uplands

Vegetation and Flora: limited survey (EPA 1985b, Pen 1983); detailed survey (Connell 1995, Regeneration Technology 1994, Smith 1985)

Structural Units: mapping (Pen 1983, Regeneration Technology 1994, Smith 1985)

Wetlands; *Eucalyptus rudis* Open Woodland; *Melaleuca raphiophylla* Low Woodland to Low Open Forest with patches of *Juncus pallidus* Sedgeland; *Casuarina obesa* and *Melaleuca raphiophylla* Low Woodland to Low Open Forest; *Sarcocornia quinqueflora* and *Suaeda australia* Low Shrubland to Closed Low Heath; *Halosarcia indica* subsp. *bidens* and *H. halocnemoides* Low Shrubland to Closed Low Heath; *Juncus kraussii* Sedgeland to Closed Sedgeland; Closed Sedgelands dominated by *Bolboschoenus caldwellii* and **Typha orientalis*

Scattered Native Plants: not assessed

Vegetation Condition: varies from Excellent Condition to Completely Degraded

Total Flora: 46 native taxa, 39 exotics (Smith 1985) (estimated >50% expected flora)

Significant Flora: not surveyed

Fauna: structured survey for birds (80 species), native mammals (1 species), reptiles (7 species) and amphibians (6 species) (Siemon 1991). Significant waterbird habitat including breeding, feeding and wading habitats. Significant bird species: category 1 (1), category 3 (7) and category 4 (6). Significant mammal species: Water Rat. Significant reptile species: Mourning Skink (*Egernia luctuosa*)

Linkage: no adjacent bushland; part of Greenway 24 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: one of a very limited number of bushland areas on the Swan Estuary, naturally vegetated areas on the Swan Estuary having particular conservation value in providing habitat for fauna and linkage between areas of bushland; contains open space of regional significance (DCE 1983)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia; subject to protection under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Rarity, 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: Part A: Site with Some Existing Protection; existing Parks and Recreation Reserve. Part B: Regional Creekline Mechanism (with mapped vegetation) (see Table 3, Volume 1).