

SWAN RIVER BACKWATER, SOUTH GUILDFORD

Boundary Definition: System 6 area boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 491 **Area (ha):** <0.6 bushland (Site also includes open water.)

Map no. 42, 43

Map sheet series ref. no. 2034–II SE

Other Names: not known

Local Authorities (Suburb): Shire of Swan (South Guildford)

System 6 (1983): M44 part System area bushland and part scattered native plants (canopy), all vegetation described

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qha: Ms4)

Bassendean Dunes/Pinjarra Plain

Bassendean Sands over Guildford Formation (Qpb/Qpa: S10)

VEGETATION AND FLORA

Vegetation Complexes

Pinjarra Plain

Swan Complex

Floristic Community Types: not sampled, types not inferred

WETLANDS

Wetland Types: floodplain, estuary (peripheral)

Natural Wetland Groups

Swan Coastal Plain Rivers

Swan River (R.2)

Estuaries

Swan River (E.2)

Wetland Management Objectives: Conservation (15ha), Resource Enhancement

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: open water, vegetated wetland, estuary

Vegetation and Flora: limited survey (DEP 1998, DEP 1999, Pen 1983)

Structural Units: mapping (Pen 1983)

Wetlands (wetflats): *Eucalyptus rudis* Forest to Woodland; *Melaleuca raphiophylla* Low Open Forest to Low Woodland; *Casuarina obesa* and *Melaleuca raphiophylla* Low Woodland to Low Open Forest; *Sarcocornia quinqueflora* Low Shrubland to Closed Low Heath; Closed Sedgelands to Sedgelands dominated by *Bolboschoenus caldwellii* and *Juncus kraussii*

Scattered Native Plants: *Eucalyptus rudis* Forest to Woodland — regionally significant vegetation recognised as being included in the area of Site in need of protection

Vegetation Condition: Very Good to Degraded

Total Flora: not known

Significant Flora: none recorded

Fauna: not known

Linkage: canopy/creekline linkage to north and south; part of Greenway 24 (Tingay, Alan & Associates 1998a); part of 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; open space of regional significance (DCE 1983)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, 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 existing care, control and management intent of the reserve is endorsed. The purpose of the reserve should be amended to include conservation and appropriate mechanisms applied in consultation with the management body (see Table 3, Volume 1).