

CANNING RIVER REGIONAL PARK AND ADJACENT BUSHLAND, RIVERTON TO LANGFORD

Boundary Definition: protected area/bushland taken to zoning and cadastre boundary (Areas of bushland/native vegetation within the boundaries of the Site are not accurately mapped; Boundary adjusted from that in draft *Perth's Bushplan*.)

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 224
open water.)

Area (ha): bushland 161.2 (Site also includes

Map no. 54

Map sheet series ref. no. 2033-I NE

Other Names: not known

Local Authorities (Suburb): City of Canning (Wilson, Cannington, Langford, Ferndale), City of Gosnells (Beckenham)

System 6 (1983): M68, part M75 area of bushland goes beyond System area boundaries, all bushland described

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qpa: Cs) (Qha: Msp, Msc1)

Bassendean Dunes

Bassendean Sands (Qpb: S8)

Bassendean Dunes/Pinjarra Plain

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

Wetlands (within the Bassendean Dunes)

Holocene Swamp Deposits (Qrw: Sp2)

VEGETATION AND FLORA

Vegetation Complex

Pinjarra Plain

Guildford Complex

Swan Complex

Bassendean Dunes

Bassendean Complex — Central and South

Combinations of Bassendean Dunes/Pinjarra Plain

Southern River Complex

Floristic Community Types: not sampled, types not inferred

WETLANDS

Wetland Types: sumpland, floodplain, palusplain, river, creek, artificial channel, estuary (waterbody), estuary (shoreline and peripheral)

Natural Wetland Groups

Bassendean—Pinjarra transition OR Bassendean with fluvial features

Bennet Brook (B/P.4)

Swan Coastal Plain Rivers

Swan River (R.2)

Estuaries

Swan River (E.2)

Wetland Management Objectives: Conservation (258.6ha, 545m), Resource Enhancement, Multiple Use

Swan Coastal Plain Lakes EPP: 32.1ha

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: open water, vegetated wetland, creek, river, estuary, island, vegetated uplands

Vegetation and Flora: limited survey (CALM *et al.* 1997, Connell 1995, Pen 1983); detailed survey (Brock and Pen 1984, State Planning Commission 1989)

Structural Units: mapping (State Planning Commission 1989, Brock and Pen 1984)

Uplands: Scattered *Banksia menziesii*, *B. attenuata* and *Eucalyptus marginata* Low Woodland over Mixed Shrublands of *Acacia stenoptera*, *A. saligna*, *Jacksonia furcellata* and *J. sternbergiana*
Wetlands (wetflats): *Eucalyptus rudis* and *Melaleuca raphiophylla* Low Woodland to Closed Forest; *Eucalyptus rudis* Woodland to Open Forest; *Casuarina obesa* and *Melaleuca raphiophylla* Woodland; *Melaleuca raphiophylla* Woodland; Open Low Heath to closed Heath dominated by *Sarcocornia quinqueflora* or *Halosarcia* species with occasional sedges of *Bolboschoenus caldwellii*; Sedgeland dominated by *Juncus kraussii*, *Samolus repens*, *Baumea juncea* or *Typha domingensis*

Scattered Native Plants: *Eucalyptus rudis* Open Woodland; *Melaleuca raphiophylla* Open Woodland; *Eucalyptus rudis* and *Melaleuca raphiophylla* Open Woodland

Vegetation Condition: varies from patches in Excellent Condition to Completely Degraded

Total Flora: 96 native taxa, 58 introduced taxa (Brock and Pen 1984) (estimated <50% of expected flora)

Significant Flora: none recorded

Fauna: multiple surveys for birds (97 species) (Brock and Pen 1984; RAOU 1996 D, several visits) and native fish (33 species) (Brock and Pen 1984). Important feeding area for large assemblage of waterbirds and wading birds. Significant bird species: category 1 (6), category 2 (2), category 3 (5) and category 4 (2). Significant mammal species: Quenda (Friend 1996 D)

Linkage: no adjacent bushland; part of Greenways 71, 72, 79 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: National Trust of Australia (WA) Classification; bushland/naturally vegetated estuarine/riverine areas have particular conservation value in providing habitat for fauna and linkage between larger more intact areas of bushland; contains open space of regional significance (DCE 1983); part Site included in Canning River Regional Park (CALM *et al.* 1997); contains 1181m of regionally significant river (WRC 1996a GIS)

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: Representation of ecological communities, Rarity, Scientific or evolutionary importance, 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; the care, control and management of this Site for conservation purposes within Canning River Regional Park is endorsed. Part B: Regional Creekline Mechanism (with mapped vegetation) (see Table 3, Volume 1).