

KIRBY ROAD BUSHLAND, BULLSBROOK

Boundary Definition: bushland (part taken to cadastre) boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 97

Area (ha): bushland 440.7

Map no. 23, 24

Map sheet series ref. no. 2034-I SE

Other Names: part Submission Area 288

Local Authorities (Suburb): Shire of Swan (Bullsbrook)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qpa: Mgs1)

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 (Qhw: Cps)

VEGETATION AND FLORA

Vegetation Complexes

Pinjarra Plain

Yanga Complex

Bassendean Dunes

Bassendean Complex — North

Floristic Community Types: *not sampled, types inferred

Supergroup 2: Seasonal Wetlands

*4 *Melaleuca preissiana* damplands

*S2 Northern *Pericalymma ellipticum* dense low shrublands

Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau

*21c Low-lying *Banksia attenuata* woodlands or shrublands

*22 *Banksia ilicifolia* woodlands

*23a Central *Banksia attenuata* — *B. menziesii* woodlands

*23b Northern *Banksia attenuata* — *B. menziesii* woodlands

WETLANDS

Wetland Types: dampland, sumpland, palusplain, artificial channel

Natural Wetland Groups

Bassendean—Pinjarra transition OR Bassendean with fluvial features

Muchea (B/P.3)

Bassendean Dunes

Jandakot (B.3)

Swan Coastal Plain Rivers

Ellen Brook (R.3)

Wetland Management Objectives: Conservation (29.3ha), Resource Enhancement, Multiple Use

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not assessed, Not determined, Critically Endangered (Communities of Tumulus Springs)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, vegetated uplands

Vegetation and Flora: limited survey (DEP 1998 (viewed from fence line), DEP 1999, Connell 1995, McArthur and Mattiske 1985, Trudgen 1996)

Structural Units

Uplands: *Banksia attenuata* Low Woodland with occasional *Nuytsia floribunda*, *Allocasuarina fraseriana*, *Eucalyptus calophylla* and *Banksia ilicifolia*; Mixed *Banksia attenuata*, *B. ilicifolia* Low Open Forest, occasionally with emergent *Banksia menziesii* and *Eucalyptus calophylla*; *Adenanthos cygnorum* Tall Open Shrubland; Mixed *Xanthorrhoea ? preissii*, *Dasyopogon bromeliifolius* Open Low Heath

Wetlands: *Melaleuca preissiana* Low Open Woodland to Low Forest; *Astartea* aff. *fascicularis* Shrubland; *Astartea* aff. *fascicularis* and *Hypocalymma angustifolium* Shrubland with occasional emergent trees of *Melaleuca preissiana*; *Kunzea ericifolia* Tall Shrubland to Closed Scrub with occasional emergent *Eucalyptus calophylla*; *Regelia inops* and *Astartea* aff. *fascicularis* Open Heath; *Hypocalymma angustifolium* Shrubland with emergent *Xanthorrhoea preissii*; *Xanthorrhoea preissii* Shrubland; *Hypocalymma angustifolium* Open Low Heath

Vegetation Condition: Very Good to Good (Connell 1995)

Total Flora: not known

Significant Flora: none recorded

Fauna: not known

Linkage: adjacent native vegetation to the south and west (Site 462); part of Greenway 42 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

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, Rarity, Maintaining ecological processes or natural systems, General criteria for the protection of wetland, streamline and estuarine fringing vegetation and coastal vegetation

Recommendation: Part A: Other Government Land Mechanism. Part B: Rural Complementary Mechanism (see Table 3, Volume 1).