

BRICKWOOD RESERVE AND ADJACENT BUSHLAND, BYFORD

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

SECTION 1:

Bush Forever Site no. 321

Area (ha): bushland 44.9

Map no. 67

Map sheet series ref. no. 2033–I SE, 2133–IV

SW

Other Names: Location 10 (Keighery, BJ, and Trudgen 1992)

Local Authorities (Suburb): Shire of Serpentine-Jarrahdale (Byford)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Foothills

Colluvial Deposits (Qc: Csg)

Pinjarra Plain

Guildford Formation (Qpa: Cs)

Bassendean Dunes

Bassendean Sands (Qpb: S8)

VEGETATION AND FLORA

Vegetation Complexes

Foothills

Forrestfield Complex (Ridge Hill Shelf, Darling Plateau)

Pinjarra Plain

Guildford Complex

Floristic Community Types

Supergroup 1: Foothills/Pinjarra Plain

3a *Eucalyptus calophylla* — *Kingia australis* woodlands on heavy soils

Supergroup 2: Seasonal Wetland

9 Dense shrublands on clay flats (most northern representation)

Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau

20b Eastern *Banksia attenuata* and/or *Eucalyptus marginata* woodlands

WETLANDS

Wetland Types: palusplain, creek

Natural Wetland Groups

Pinjarra Plain

Keysbrook (P.1)

Wetland Management Objectives: Conservation (17.7ha), Multiple Use

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not assessed, Critically Endangered (floristic community type 3a), Endangered (floristic community type 20b)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, creek, vegetated uplands

Vegetation and Flora: limited survey (Gibson *et al.* 1994 (Brick 01–08), Keighery, BJ, and Trudgen 1992); detailed survey (part Site — Keighery, GJ, and Keighery 1993a)

Structural Units: mapping (Keighery, BJ, and Trudgen 1992, Keighery, GJ, and Keighery 1993a)
Uplands: *Eucalyptus calophylla* and *E. marginata* Woodland; *Banksia attenuata* and *B. menziesii* Woodland

Wetlands: *Eucalyptus calophylla* Open Woodland; *Melaleuca viminea*, *M. lateriflora* and *Viminaria juncea* Scrub; *Pericalymma ellipticum* Closed Low Heath; mixed Herbland; *Meeboldinia coangustata* and *Lepidosperma longitudinale* Sedgeland

Vegetation Condition: >80% Excellent to Very Good, <20% Good to Degraded, with areas of severe localised disturbance

Total Flora: 309 native taxa, 24 weeds (Keighery, GJ, and Keighery 1993a) (estimated >90% expected flora)

Significant Flora: *Schoenus pennisetis* (1), *Trichocline* sp. Treeton (BJK & NG 561) (2), *Stylidium mimeticum* (3), *Lambertia multiflora* var. *darlingensis* (3), *Drosera occidentalis* subsp. *occidentalis* (4), *Verticordia lindleyi* subsp. *lindleyi* (4); *Isopogon asper*, *Stylidium utricularioides*, *Johnsonia pubescens* subsp. *cygnorum* (one of three known populations), *Eucalyptus lane-poolei* (one of the few patches on the Swan Coastal Plain), *Jacksonia gracilis*

Fauna: structured survey for birds (28 species), native mammals (2 species), reptiles (12 species) and amphibians (5 species) (Harvey *et al.* 1997). Significant bird species: category 1 (1), category 3 (1), category 4 (4) including the Painted Button-quail. Significant mammal species: Quenda (Friend 1996 D, Harvey *et al.* 1997)

Linkage: adjacent bushland to the east (Site 350); part of Greenway 62, 106 (Tingay, Alan & Associates 1998a); part of a regionally significant fragmented bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: Threatened or Poorly Reserved Plant Community (EPA 1994 GIS); recommended to be managed as a flora conservation area (Keighery, BJ, and Trudgen 1992); National Trust of Australia (WA) Classification; contains plant communities representative of the eastern side of the Swan Coastal Plain

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Listed on the Register of the National Estate; subject to protection under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Diversity, Rarity, Scientific or evolutionary importance, General criteria for the protection of wetland, streamline and estuarine fringing vegetation and coastal vegetation

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).