

KEN HURST PARK, LEEMING

Boundary Definition: bushland (part taken to zoning) boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 245

Area (ha): bushland 52.7

Map no. 53

Map sheet series ref. no. 2033-I NE

Other Names: Submission Area 17

Local Authorities (Suburb): City of Melville (Leeming), City of Cockburn (Jandakot)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Bassendean Dunes

Bassendean Sands (Qpb: S8)

Bassendean Dunes/Pinjarra Plain

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

VEGETATION AND FLORA

Vegetation Complexes

Bassendean Dunes

Bassendean Complex — Central and South

Floristic Community Types: *not sampled, type inferred

Supergroup 2: Seasonal Wetlands

*5 Mixed shrub damplands

Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau

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

WETLANDS

Wetland Types: dampland

Natural Wetland Groups

Bassendean Dunes

Jandakot (B.3)

Wetland Management Objectives: Resource Enhancement

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not assessed

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, vegetated uplands

Vegetation and Flora: limited survey (Gibson *et al.* 1994 (Hurst 01–04)); detailed survey (Murdoch Branch, Wildflower Society of WA 1992)

Structural Units: mapping (Murdoch Branch, Wildflower Society of WA 1992)

Uplands: *Banksia attenuata*, *B. menziesii* and *Allocasuarina fraseriana* Low Open Forest to Low Woodland with scattered *Eucalyptus tottiana*; *Banksia attenuata*, *B. menziesii* and *Allocasuarina fraseriana* Low Open Forest to Low Open Woodland with scattered *Nuytsia floribunda* and *Banksia ilicifolia*

Wetlands: *Banksia attenuata* and *B. ilicifolia* Low Open Forest to Low Woodland; *Regelia inops* Open Heath; *Melaleuca preissiana* Low Woodland with *Banksia littoralis* sometimes a co-dominant

Vegetation Condition: >90% Excellent to Very Good, <10% Good to Degraded

Total Flora: 214 native taxa (Murdoch Branch, Wildflower Society of WA 1992) (estimated >85% expected flora)

Significant Flora: *Caladenia huegelii* (R); Murdoch Branch, Wildflower Society of WA (1992) — *Drosera zonaria*, *Lysinema elegans*, *Stylidium preissii* (only known record on Swan Coastal Plain), *Stylidium squamellosum* (unusual in the PMR)

Fauna: structured survey for birds (33 species), native mammals (3 species), reptiles (17 species) and amphibians (4 species) (Dell and Cooper 1992). Significant mammal species: Quenda and Western Brush Wallaby. Significant bird species: category 1 (1), category 3 (3) and category 4 (4)

Linkage: adjacent bushland to the north and south (Site 388, across road); part of Greenway 92 (Tingay, Alan & Associates 1998a); part of a regionally significant fragmented bushland/wetland linkage (Part A, Map 7)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Indicative place (AHC 2000 D); 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: Rural Complementary Mechanism (see Table 3, Volume 1).