HARTFIELD PARK BUSHLAND, FORRESTFIELD

Boundary Definition: protected area boundary (Areas of bushland within the boundaries of the Site are not accurately mapped. The boundary has been drawn to include any unmapped bushland.)

SECTION 1: LOCATION INFORMATION
Bush Forever Site no. 320  Area (ha): bushland 73.6
Map no. 49
Map sheet series ref. no. 2033–I NE, 2034–II SE, 2133–IV NW, 2134–III SW
Other Names: Submission Area 242; Location 68 (Keighery, BJ, and Trudgen 1992)
Local Authorities (Suburb): Shire of Kalamunda (Forrestfield, Wattle Grove)

SECTION 2: REGIONAL INFORMATION
LANDFORMS AND SOILS
Pinjarra Plain
Guildford Formation (Qpa: Mgs1) (Qha: Ms4)
Bassendean Dunes
Bassendean Sands (Qpb: S8)
Bassendean Dunes/Pinjarra Plain
Bassendean Sands over Guildford Formation (Qpb/Qpa: S10)

VEGETATION AND FLORA
Vegetation Complexes
Combination of Bassendean Dunes/Pinjarra Plain
Southern River Complex
Floristic Community Types
Supergroup 2: Seasonal Wetlands
S2  Northern Pericalymma ellipticum dense low shrublands (most southern representation)
Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau
20a  Banksia attenuata woodlands over species-rich dense shrublands (in area of most southern representation)
23a  Central Banksia attenuata — B. menziesii woodlands

WETLANDS
Wetland Types: palusplain, creek, artificial channel
Natural Wetland Groups
Darling Plateau
Walyunga (D.1)
Bassendean—Pinjarra transition OR Bassendean with fluvial features
Mungala (B/P.2)
Wetland Management Objectives: Conservation (68.4ha), Resource Enhancement, Multiple Use
Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES
Not assessed, Not determined, Endangered (floristic community type 20a)

SECTION 3: SPECIFIC SITE DETAIL
Landscape Features: vegetated wetland, vegetated uplands
Uplands: Eucalyptus calophylla and E. marginata Low Forest; Eucalyptus calophylla Low Woodland; Low Woodlands dominated by Eucalyptus marginata, Banksia attenuata, B. menziesii and Allocasuarina fraseriana and combinations of these; Banksia attenuata and B. menziesii Low Woodland
Wetlands: Eucalyptus rudis and E. calophylla Low Woodland; Melaleuca preissiana Open Low Woodland; Closed to Open Low Heath dominated by Hypocalyymma angustifolium, Pericalymma ellipticum, Hakea sulcata and combinations of these with scattered clumps of Actinostrobus pyramidalis and Beaufortia squarrosa; scattered clumps of Melaleuca viminalis over Meeboldinia coangustatus Closed Sedgeland
Vegetation Condition: >75% Excellent to Very Good, <25% Good to Degraded, with areas of severe localised disturbance (Shire of Kalamunda 1996)
Total Flora: 119 native taxa, 8 weeds (plot-generated list only) (DEP 1996)

Significant Flora: Conospermum undulatum (R); Isopogon drummondii (3), Lambertia multiflora var. darlingensis (3), Stachystemon axillaris (4), Verticordia lindleyi subsp. lindleyi (4); Beaufortia squarrosa, Dasygogon obliquifolius, Hakea conchifolia, Xanthorrhoea drummondii

Fauna: structured survey for birds (25 species), native mammals (1 species), reptiles (11 species) and amphibians (3 species) (Harvey et al. 1997). Significant bird species: category 4 (3). Significant mammal species: Quenda (Friend 1996 D)

Linkage: adjacent bushland to the south (canopy across road to Site 387) and west; part of Greenways 101, 102, 98 (Tingay, Alan & Associates 1998a); part of a regionally significant fragmented bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: recommended to be managed as a flora conservation (Keighery, BJ, and Trudgen 1992); Threatened or Poorly Reserved Plant Community (EPA 1994 GIS); majority Site Category One Area Middle Canning Catchment Study (Evangelisti & Associates et al. 1995); contains plant communities representative of the eastern side of the Swan Coastal Plain

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, 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).