

ASHFIELD FLATS, BASSENDEAN/ASHFIELD

Boundary Definition: protected area/bushland boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 214

Area (ha): bushland 11.1

Map no. 42

Map sheet series ref. no. 2034-II SE

Other Names: Ashfield Flats Submission Area 253

Local Authorities (Suburb): Town of Bassendean (Bassendean, Ashfield)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Alluvial Colluvial Deposit (Qha/Qc: Ms4)

Bassendean Dunes

Bassendean Sands (Qpb: S8)

VEGETATION AND FLORA

Vegetation Complex

Pinjarra Plain

Swan Complex

Floristic Community Types: not sampled, types not inferred

WETLANDS

Wetland Types: artificial channel, estuary (waterbody), estuary (shoreline and peripheral)

Natural Wetland Groups

Estuaries

Swan River (E.2)

Wetland Management Objectives: Conservation (39.6ha)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, estuary

Vegetation and Flora: limited survey (Appropriate Technology Development Group (Inc) 1988, Connell 1995, Pen 1983)

Structural Units: mapping (Appropriate Technology Development Group (Inc) 1988, Pen 1983)

Wetlands: *Eucalyptus rudis* Woodland to Open Woodland; *Melaleuca raphiophylla* and *M. viminea* Low Woodland to Low Open Forest; *Casuarina obesa*, *Melaleuca raphiophylla* Low Woodland to Low Open Forest; Samphire Low Shrubland to Closed Low Heath dominated by *Sarcocornia quinqueflora* or *Halosarcia indica* subsp. *bidens* and *H. halocnemoides*; *Schoenoplectus validus* Sedgeland to Closed Sedgeland; *Juncus kraussii* Sedgeland to Closed Sedgeland; Closed Sedgelands dominated by *Bolboschoenus caldwellii* and **Typha orientalis*

Scattered Native Plants: *Eucalyptus rudis* Woodland to Open Woodland

Vegetation Condition: varies from Excellent Condition to Completely Degraded

Total Flora: 22 native taxa, 22 weed taxa (Appropriate Technology Development Group (Inc) 1988) (>50% of expected flora)

Significant Flora: none recorded

Fauna: limited survey for birds (51 species) (Appropriate Technology Development Group (Inc) 1988), also abundant frogs noted. Good assemblage of wide-ranging and transient bird species. Significant bird species: category 3 (1)

Linkage: no adjacent bushland; part of Greenway 24 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: one of a very limited number of bushland areas on the Swan Estuary, naturally vegetated areas on the Swan Estuary having particular conservation value in providing habitat for fauna and linkage between areas of bushland

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia (Swan River)

Bush Forever Site Description (from *Bush Forever* Volume 2 Government of WA 2000),
for the Maps see Volume 1

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, 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: Site with Some Existing Protection; Existing Parks and Recreation Reserve (see Table 3, Volume 1).