

ABERNETHY ROAD BUSHLAND, OAKFORD

Boundary Definition: management boundary (Areas of bushland within the boundaries of the Site are not accurately mapped. The boundary has been drawn to include any unmapped bushland; Areas of bushland within the boundaries of the Site have been recently cleared. The boundary has been drawn to include cleared bushland.)

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 65

Area (ha): bushland 11.8

Map no. 67

Map sheet series ref. no. 2033-I SE

Other Names: Submission Area 282; Location 8 (Keighery, BJ, and Trudgen 1992)

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

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qpa: Cs)

Bassendean Dunes/Pinjarra Plain

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

Lagoonal and Estuarine Deposits (within the Bassendean Dunes/Pinjarra Plain)

Lagoonal deposits in Bassendean dunes (Qpw: S9)

VEGETATION AND FLORA

Vegetation Complexes

Pinjarra Plain

Beermullah Complex

Floristic Community Types: *not sampled, types inferred

Supergroup 1: Foothills/Pinjarra Plain

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

Supergroup 2: Seasonal Wetlands

*8 Herb-rich shrublands in clay pans

WETLANDS

Wetland Types: palusplain, artificial channel

Natural Wetland Groups

Pinjarra Plain

Keysbrook (P.1)

Wetland Management Objectives: Multiple Use, and Resource Enhancement. Also possible DRF presence therefore may be Conservation (22.8ha), yet to be determined (DEP 1998)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Critically Endangered (floristic community type 3a), Vulnerable (floristic community type 8)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, vegetated uplands

Vegetation and Flora: limited survey (DEP 1996, DEP 1998, DEP 1999, Keighery, BJ, and Trudgen 1992)

Structural Units: mapping (Keighery, BJ, and Trudgen 1992)

Uplands: *Eucalyptus calophylla* Open Forest to Woodland

Wetlands: *Actinostrobilus pyramidalis* and *Melaleuca* Tall Shrublands to Tall Open Scrub dominated by *Melaleuca viminea*, *Melaleuca lateriflora*, *Melaleuca uncinata*, *Melaleuca lateritia* and combinations of these; Closed to Open Heath dominated by *Kunzea recurva*, *Regelia ciliata* and *Pericalymma ellipticum*; Open Low Heath to Low Shrubland dominated by *Verticordia plumosa* var. *pleiobotrya* or *Baeckea tenuifolia*; Herblands dominated by *Borya* species, *Tribonanthes* species, *Stylidium* species and others in combination; Sedgeland dominated by *Chaetanthus aristatus*, *M. cana* and *M. coangustata* or combinations of these; *Lepidosperma longitudinale* Sedgeland; *Baumea juncea* Sedgeland

Scattered Native Plants: *Eucalyptus calophylla* Open Forest to Woodland, *Casuarina obesa* Low Open Woodland — regionally significant vegetation recognised as being included in the area of Site in need of protection

Vegetation Condition: >50% Good, <50% Degraded, with areas of severe localised disturbance

Total Flora: not known

Significant Flora: *Verticordia plumosa* var. *pleiobotrya* (R), *Eryngium subdecumbens* ms (1), *Baeckea tenuifolia* (3)

Fauna: not known

Linkage: no adjacent bushland; part of Greenways 62, 114 (Tingay, Alan & Associates 1998a)

Other Special Attributes: 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, General criteria for the protection of wetland, streamline and estuarine fringing vegetation and coastal vegetation

Recommendation: Rural Complementary Mechanism (see Table 3, Volume 1).

ABERNETHY ROAD BUSHLAND, OAKFORD

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SECTION 1: CADASTRAL INFORMATION

(Lots, locations and derived information to be updated in the public submission period)

Bushplan Site no. 65 **Map no.** 83 **Map sheet series ref. no.** 2033-I SE

Other Names **Area (ha):** total 28.7; bushland 11.8

Submission Area 282; Location 8 (Keighery, BJ, and Trudgen 1992)

Local Authorities (Suburb)
Shire of Serpentine-Jarrahdale (Oakford)

Zoning
MRS: Rural
TPS: Special Rural
Lot/Location/Reserve numbers (Purpose),
Street name
0, 2 Abernethy Rd

Ownership Categories
Private

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Natural Wetland Groups

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Keysbrook (P.1)

Wetland Management Objectives: Multiple Use, also Conservation and Resource Enhancement (DEP 1998)

Swan Coastal Plain Lakes EPP: none identified

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Significant Flora: *Verticordia plumosa* var. *pleiobotrya* (R), *Eryngium subdecumbens* ms (1), *Baeckea tenuifolia* (3)

Fauna: no known information

Linkage: no adjacent bushland

Other Special Attributes: contains plant communities representative of the eastern side of the Swan Coastal Plain

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Not listed

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

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

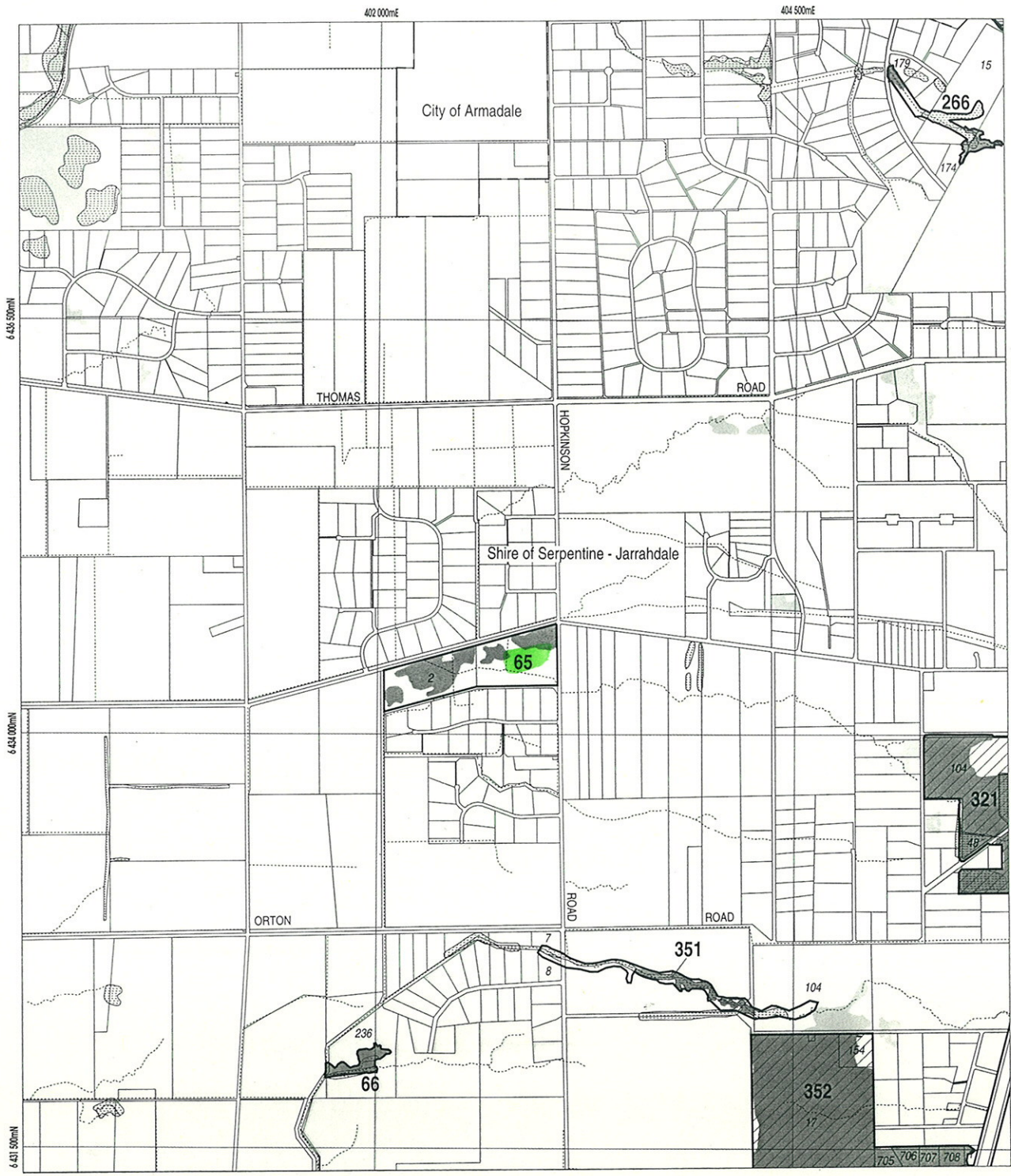
Opportunities and/or Constraints

Opportunities: Bushplan Site/part Bushplan Site location of Declared Rare Flora

Constraints: private land

Recommendation: The most appropriate mechanism for the protection of this Bushplan Site be considered through the public comment period in consultation with the land owner(s).





LEGEND

- 472 Bushplan Sites With Regionally Significant Bushland
- Other Native Vegetation
- Conservation Category Wetlands
- Bushplan Sites With Some Existing Protection
- 696 Lot Number, Location Number
- Channel Wetlands
- Local Government Boundary

2033 - I SE

IV	NW	NE
2033	SW	SE 83
III	II	

1 : 25 000 AMG Reference Grid showing Perth's Bushplan Map Sheet Breakdown

PERTH'S BUSHPLAN MAP INDEX

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48				
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106

N

SCALE

0 500 1000

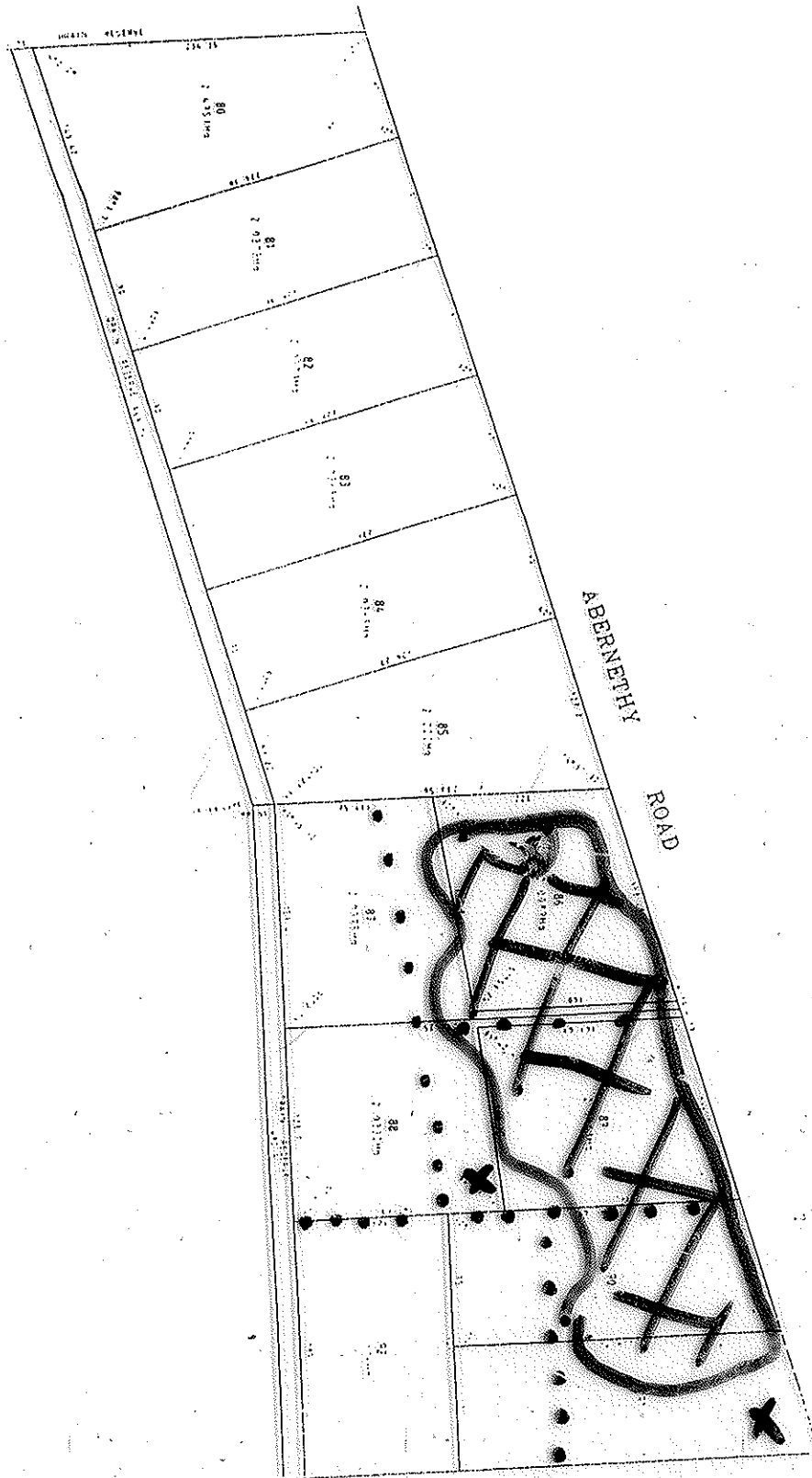
Metres

Produced by Project Mapping Section
Land Information Branch, Ministry for
Planning, Perth W.A. November 1998
ntw-map9/envirom/bushplan/bushv2_83.dgn

Cadastral Data supplied by Department
of Land Administration, W.A.

Wetlands Data supplied by
Water and Rivers Commission

Native Vegetation Extent for Study Area
supplied by Agriculture Western Australia



HOPKINSON ROAD

ON-SITE
INSPECT

65
Needs
Field
inspection



65

BUSHPLAN SITES CORRECTED



WESTERN
AUSTRALIAN
PLANNING
COMMISSION



CUSTOMER
FOCUS
WESTERN AUSTRALIA

B & T 27/10/08



SCALE 1:2500



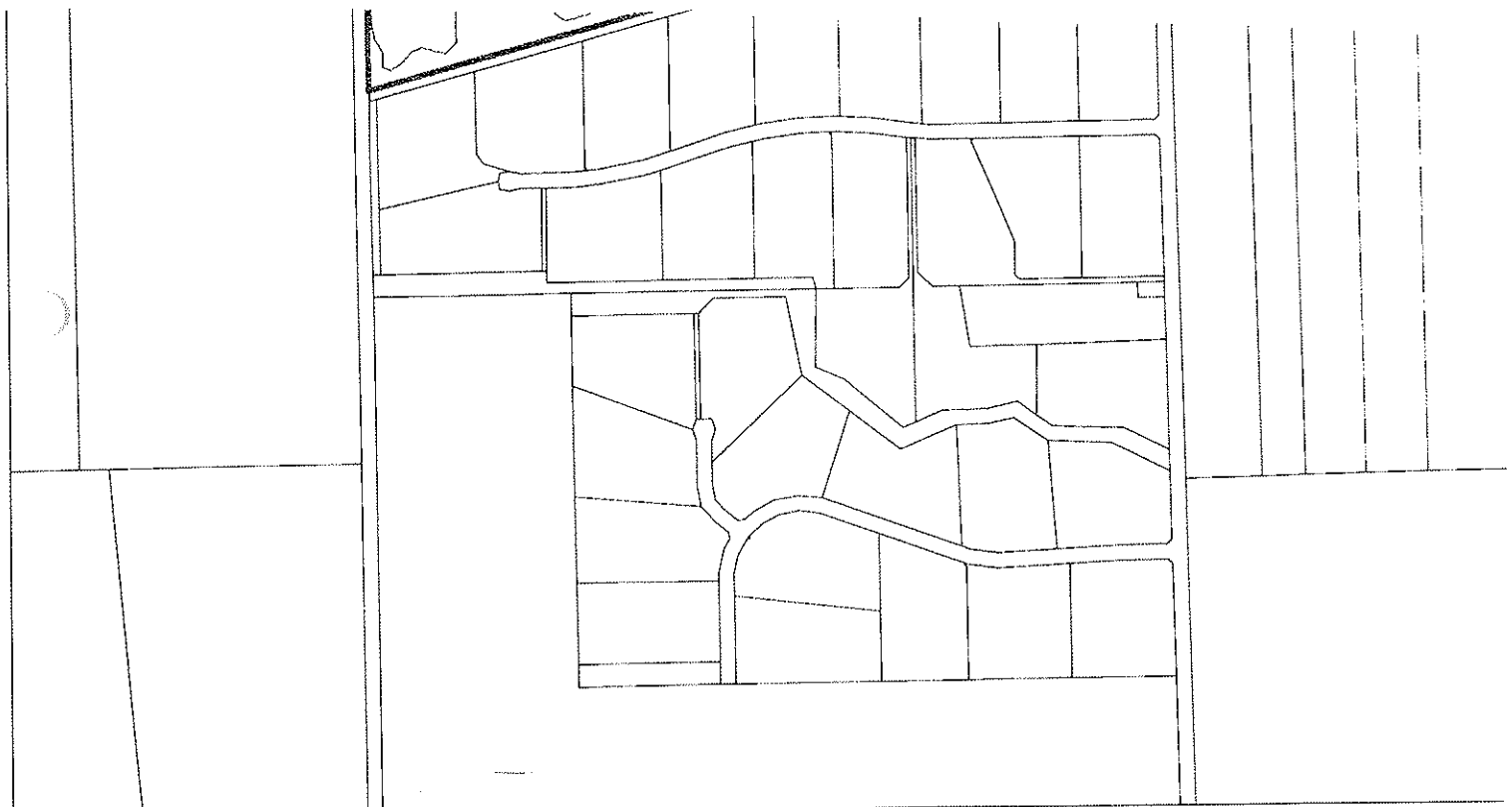
Metres

U
BJK

1/7/98

BS 65

An on-site inspection is required, could not get permission.



BUSHPLAN SITES CORRECTED



WESTERN
AUSTRALIAN
PLANNING
COMMISSION



CUSTOMER
FOCUS
WESTERN AUSTRALIA



SCALE 1:2500



Metres



BUSHPLAN SITES CORRECTED



**WESTERN
AUSTRALIAN
PLANNING
COMMISSION**



**CUSTOMER
FOCUS
WESTERN AUSTRALIA**



SCALE 1:2500



Metres

bp site 65

SUBSILE APPROVAL
IS THIS STILL A SITE?

- AG VEG 1998 BOUNDARY THEME
- Cadastre
- Bushplan sites refno 1-500 SCP BOUNDARY



CHECK IF TO
CAPSIVE

MFP INTERNAL USE ONLY
Prepared By: Andrea Zappacosta
Prepared For:
Map Ident: plot980522_1
Date: 22 May 98
Scale 1: 6745

- v. State Government agencies charged with management of Perth's bushland, such as CALM, are severely under-resourced, and as a consequence areas are poorly managed. The proposed MoU must address the issues of funding levels and sharing of resources (Vol 1, pg xvi).
- vi. State Government is strongly encouraged to develop a Conservation Zone within the Metropolitan Region Scheme area for bushland and wetland areas of regional significance.
- vii. The Shire of Serpentine-Jarrahdale wishes to be consulted prior to any negotiations on individual Bushplan sites. The Shire may be able to offer assistance to the State Government and on-going advice support to landowners. Vol 1, pg xvii, rec 5.5 That Local Government has the potential to save the State Government a lot of expenditure through use of its zoning mechanisms.
- viii. Local government is a key player in the implementation of Bushplan and the protection and management of native bushland. This needs to be incorporated in Recommendation 5 as one of the guiding principles. Local Governments vary greatly in their resources and expertise to manage bushland. Vol 1, page xvii.
- ix. There is need for the State Government to review taxes and charges levied by state and local government to make it easier and more attractive to conserve bushland. The present system treats bushland as if it were cleared land, therefore giving no recognition to the public good that is gained by conserving that piece of bushland. In fact, some taxes, such as Land Tax disadvantage landowners who have retained bushland, rather than clearing and farming the land. Council recommends that this be carried out as part of recommendation 4. (Vol 1, pg xvi). There should be no net loss to income of Councils.
- x. The Shire of Serpentine-Jarrahdale has found it difficult to get basic bushland mapping and assessment information out of State Government. Vol 1, pg 17. This information needs to be given freely to Local Government to make it easier for bushland issues to be addressed at the earliest possible land planning stages.
- xi. The Shire of Serpentine-Jarrahdale recognizes Bushplan as stage three of bushland protection in the Shire. Stage One is a broadscale community involvement and awareness program (in progress) and Stage Two is development of a Shire-wide vegetation Strategy (scheduled to commence Sept 1999). The concept of regional significance fits within this framework (Vol 1 pg 22). The practical assistance of the state government is sought to develop a Shire-wide vegetation Strategy (botanical and fauna expertise, mapping support etc).
- xii. The Shire of Serpentine-Jarrahdale supports the concept of a revolving fund for nature and believes state government should initiate a pilot project immediately with the support of local governments. The Shire of Serpentine-Jarrahdale is keen to be involved in such a trial.

Specific Site Comments

- i. Oscar Bruns Reserve [redacted], Vol 2 pg 92 Ownership category: Local Government. No active management program in progress. Local Authority may assist with management with funding from State Government. This Reserve is prone to damage by State Government Agencies (vis MRWA and Western Power).
- ii. Abernethy Road Bushland [redacted] Vol 2 pg 93, Council strongly supports the protection all of all threatened communities on site and believes that redesign of existing approved subdivision should be used as a means of protecting the vegetation. Long-term management of site's vegetation and impacts of potential edge effects needs to be closely considered.
- iii. South West Rail Line (including road reserves Bella Cumming Reserve, Paul Robinson Reserve and Lamkin Reserve) Sites [redacted], [redacted] Vol 2 Pg 94-96 Rail reserve: Westrail is working with Shire to improve management of weeds, vegetation and fire risk on the reserve. Current management is degrading bushland. Rare Species are not identified by workers. Lack of resources key problem. Bella Cumming

**DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT
RARE FLORA REPORT FORM**

TAXON: Verticordia plumosa var. pleiobotrya POPULATION No.: _____

File No. Head Office: _____ File No. District: _____

DRF Proposed DRF Priority Species No. Geog. Restr.
 New Population Routine Inspection Re-survey Opportunistic Survey

FROM: _____ TITLE: _____ SURVEY DATE: 27/10/98

REGION: _____ DISTRICT: _____ SHIRE: Serpentine-Torradale

District Site Ref.: _____ MAP REF.: _____

LAND STATUS: Nature Res. Water Res. Gravel Res. MRD Gravel Res. Shire
 National Park Railway Res. Rd. Verge MRD Rd. Verge Shire
 State Forest Private VCL Shire Reserve
 Other State: _____

LOCALITY: Abernothy Road (see attached map)

LATITUDE: _____ LONGITUDE: _____ ALTITUDE: _____ ASPECT: _____

LANDFORM: Hilltop Flat Drainageline Swamp Ridge
 Outcrop Breakaway Slope Gully Valley
 Riverbank Lake Edge Low Plain Sand Dune Cliff
 Firebreak Other: _____

ROCK TYPE: Laterite Granite Dolerite Limestone Other: _____
 ROCK FORM: Sheet Boulder Fluvialite Gravel Concretionary gravel
 SOIL TYPE: Sand Loam Clay Peat Gravel
 SOIL COLOUR: Red Brown Yellow White Grey
 SOIL CONDITION: Perm. wet Moist Dry Saline Other: _____

VEGETATION CLASSIFICATION (Mulr's): Low Heath

ASSOCIATED SPECIES: _____

No. OF PLANTS: Estimated Actual Mature: 200 Seedlings: _____ Dead: _____ Area Occupied: _____

REPRODUCTIVE STATE: in bud flower immature fruit dehisced vegetative
 POLLINATORS: Native bees honey bees mammals birds insects

Other observations: _____

CONDITIONS OF POPULATION: Recently burnt diseased disturbed undisturbed
 Other State: plants in Area 2 are grazed

POTENTIAL THREATS: Firebreaks mining recreational activities 'disease' weeds
 grazing clearing prescribed burning Other State: _____

FIRE HISTORY: Not known Burnt in 19____ Summer Autumn Winter Spring
 Next control burn: Year: _____ Month: _____

VOUCHER SPECIMEN: Retained W.A. Herb. * Other State: _____
 ATTACHED: Map Mudmap * Illustration Photo Field Notes
 ACTION: Taken: _____ * Will be

Required: by District S.O.H.G. State: _____

FENCING REQUIREMENT: _____

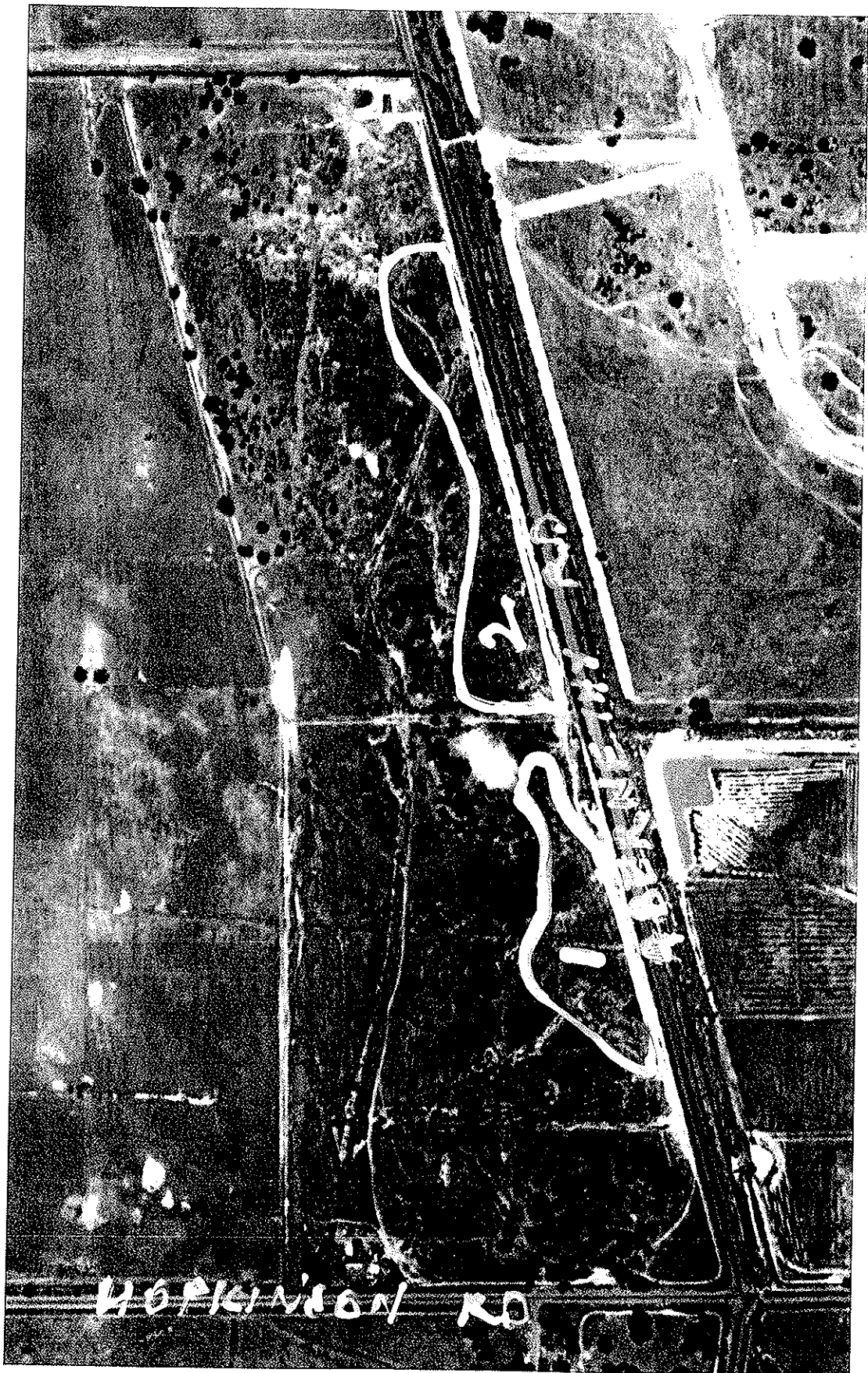
ROADSIDE MARKERS: _____

OTHER COMMENTS: _____

COPY SENT TO: Regional Office District Office Other State: _____
 SOHQ TO SEND COPY TO: Regional Office District Office Other State: _____

Signed: B.J. Keighly Date: 22/12/98
 NOTE: More than one box in any section may be ticked.

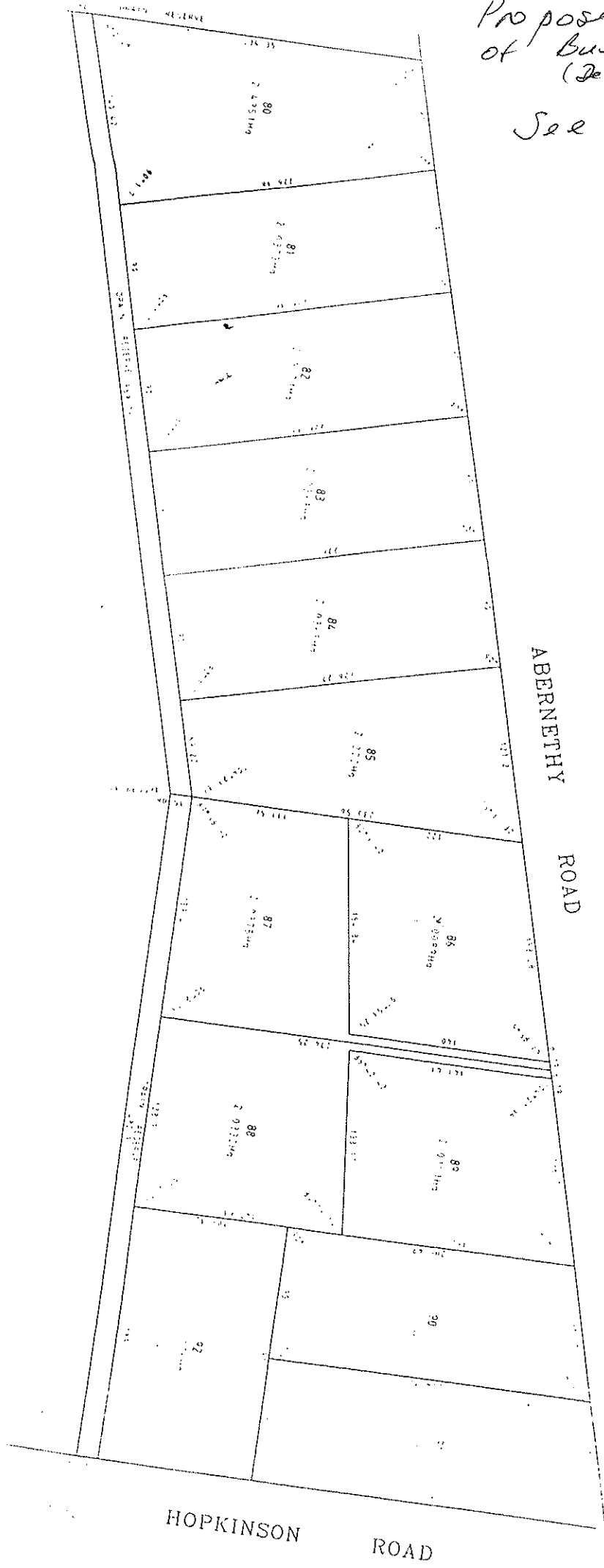
RECORDS: PLEASE FORWARD TO ADMINISTRATIVE OFFICER, FLORA, WILDLIFE ADMINISTRATION



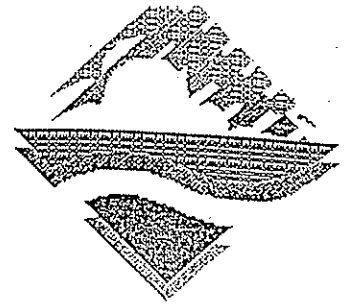
Location of Verticordia
plants ① is intact vegetation
② is scattered plants in pasture

Proposed Subdivision
of Bushplan Site 65
(Description attached)

See Map 134
Streetsmart
Metro Road
Directory



Facsimile Message



Department of Environmental Protection
Westralia Square, 141, St Georges Terrace, Perth, Western Australia,
6000.

Facsimile: (09) 322 1598 Telephone: (09) 222 7000
or 9485 1187

TO: Mike O'Donoghue

FAX NO: 9334 0278

FROM: Bronwen Keighery
Policy Co-ordination

DATE: 22/12/98 TELEPHONE 9222 7028

PAGES: 7

UBJECT: New Population Verticordia plumosa
var. pleiobotrya

Sorry I have taken so
long to get this to you.

Bronwen

Survey 27/10/98

10/11/98
By Keighy

REGIONAL INFORMATION

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Supergroup 1: Foothills/Pinjarra Plain

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*8 Herb rich shrublands in clay pans

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Wetland Types: palusplain, artificial channel

Natural Wetland Groups

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Keysbrook (P.1)

Wetland Management Objectives: Multiple Use

Swan Coastal Plain Lakes EPP: none identified

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Critically Endangered (floristic community type 3a), Vulnerable (floristic community type 8)

SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, vegetated uplands

Vegetation and Flora: limited survey (DEP 1996, DEP 1998), (fenceline inspection only, Keighery, BJ, and Trudgen 1992)

Structural Units: mapping (Keighery, BJ, and Trudgen 1992)

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Scattered Native Plants: *Eucalyptus calophylla* Open Forest to Woodland, *Casuarina obesa* Low Open Woodland; scattered *Kunzea recurva*, *Regelia ciliata* and *Pericalymma ellipticum*, *Verticordia plumosa* var. *pleiobotrya* or

Vegetation Condition: >50% Good <50 % Degraded with areas of severe localised disturbance

Total Flora: not known

Significant Flora: *Verticordia plumosa* var. *pleiobotrya* (R), *Eryngium subdecumbens* ms (1), *Baekea tenuifolia* (3)

Fauna: no known information

Linkage: no adjacent bushland

Other Special Attributes: Contains plant communities representative of the eastern side of the Swan Coastal Plain

Notes: While the exact boundaries of the bushland of regional significance in the area proposed for subdiviison has not been mapped the majority of this bushland will be in proposed Lots 86, 87, 88, 89 and 90 with possibly some in 92 and 91. Without survey lines/pegs this cannot be mapped accurately to lots. Values are outlined above. Lots 80 - 85 contain scattered native plants some of which are the DRF *Verticordia plumosa* var. *pleiobotrya*. The areas of mature *Eucalyptus calophylla* and *Casuarina obesa* should be retained as well as the scattered native shrubs.

Excellent
= 1



Main

Drain: 15
Roads:

**PERTH'S BUSHPLAN SITE BOUNDARY REPORT 1:
BUSHPLAN SITE 65 - ABERNETHY ROAD BUSHLAND, OAKFORD**
BJ Keighery, Department of Environmental Protection February 1999

BACKGROUND

The bushland within the boundaries of Bushplan Site 65 has been recognised as being of regional significance since 1992 having been identified in a study of the remnant vegetation on the eastern side of the Swan Coastal Plain (Photos 1 & 2 Location 8, Keighery and Trudgen 1992). In this early study the bushland was minimally surveyed (roadside inspection) but its location on the eastern side of the Plain and general condition indicated that it was a significant area. As a consequence Bushplan Site 65 was submitted to the Department of Environmental Protection for inclusion in the System 6 Update and further survey was attempted in 1995.

Permission to survey the bushland was denied until spring 1998 when access to the property was allowed to allow for a rapid assessment to

- '...identify vegetation on the site that was worthy of protection..' and
- '...identify locations of Declared Rare or Priority Listed Flora..'

(letter from the Shire of Serpentine-Jarrahdale to planning consultant for the owner).

Inspection of Bushplan Site 65 identified the bushland areas within the Site 65. This bushland meets four of the Perth's Bushplan selection criteria (next section and Appendix 1). The bushland areas identified are shown on Map 1 (see Photos 3 - 6). The boundaries of the regionally significant bushland on Map 1 do not match the areas of bushland mapped in Perth's Bushplan as was noted in the Bushplan Site 65 description (see Appendix 1).

DETAIL of the SELECTION CRITERIA

Representation of ecological communities

Under this criterion two sets of regional data were considered

(i) Representation of vegetation complexes (Hedde *et al.* 1980)

The bushland is located on the Pinjarra Plain within the Beermullah Complex of which less than 10% (6%) remains as native vegetation in the Perth Metropolitan Region.

(ii) Representation of floristic community types (Gibson *et al.* 1994, DEP 1996)

The spring survey in 1998 allowed the floristic community types to be determined from observation of the species present (that is the groupings were inferred). Two floristic community types were determined:

- 3a *Eucalyptus calophylla* — *Kingia australis* woodlands on heavy soils and;
- 8 Herb-rich shrublands in clay pans.

These community types are representative of the Pinjarra Plain.

While the area of the bushland is relatively small the condition and nature of the vegetation (eastern side of the Plain vegetation maintains its condition in small patches) establishes its regional significance.

Diversity

A diversity of species was observed in the bushland. Floristic community types 3a and 8 are typically diverse having a mean species richness of 58.2 and 50.8 respectively across the area of the System 6 Update (Government of WA 1998).

Rarity

Both floristic community types have been determined as threatened ecological communities; floristic community type 3a being Critically Endangered and floristic community type 8 being Vulnerable (English and Blyth 1997). One Declared Rare Flora taxon, *Verticordia plumosa* var. *pleiobotrya* (R), and two priority taxa, *Eryngium subdecumbens* ms (1) and *Baeckea tenuifolia* (3), were identified in the bushland. These taxa had not been previously identified. More detailed survey could identify additional rare taxa.

General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation

The majority of the bushland is a palusplain wetland (floristic community type 8 is a wetland floristic group) from the Keysbrook natural wetland group which is representative of the Pinjarra Plain. Wetlands within the bushland should be considered to be Conservation category wetlands (DEP 1998).

PROTECTION OF THE REGIONALLY SIGNIFICANT VEGETATION

The majority of the regionally significant bushland in Bushplan Site 65 is located in proposed lots 86, 89 and 90 (see Map 1) with some possibly overlapping into lots 91, 87 and 88. When the lots are surveyed the location of the bushland in relation to the lot boundaries can be determined accurately on the ground. If significant bushland areas are located within lots 91, 87 and 88 the subdivision should be modified to locate the bushland in lots 86, 89 and 90.

The access way located between lots 86 and 89 would need to be relocated in both cases as it traverses the core of the bushland area and the largest population of DRF. The land owner is required to obtain the ministerial approval to take any part of a DRF plant (This DRF population was not previously identified and allowance for its protection was not considered in the subdivision).

The reconfigured lots 86, 89 and 90 (preferably designated as a single lot) would be a good candidate for purchase and onselling with an appropriate covenant on the regionally significant bushland as it has the following characteristics:

- The bushland is essentially intact and is of a type that maintains its condition in small areas.
- The bushland area is of a size that would allow for management by a concerned land owner.
- The Shire has a conservation zone established in its TPS and is supportive and able to offer advice to land owners on the retention and management of bushland.
- The area contains threatened species and communities the land owner is
 - highly likely to be able to access financial support for management of the bushland through: the Remnant Vegetation Protection Scheme, the Natural Heritage Trust, the urban bushland grants managed by the Swan Catchment Centre and the World Wide Fund for Nature Threatened Communities and Species grants
 - able to access CALM assistance in management.

APPENDIX 1

ABERNETHY ROAD BUSHLAND, OAKFORD

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

SECTION 1: CADASTRAL INFORMATION

(Lots, locations and derived information to be updated in the public submission period)

Bushplan Site no. 65 Map no. 83 Map sheet series ref. no. 2033-I SE

Other Names

Submission Area 282; Location 8 (Keighery, BJ, and Trudgen 1992)

Local Authorities (Suburb)

Shire of Serpentine-Jarrahdale (Oakford)

Area (ha): total 28.7; bushland 11.8

Zoning

MRS: Rural

TPS: Special Rural

Ownership Categories

Private

Lot/Location/Reserve numbers

(Purpose), Street name

0, 2 Abernethy Rd

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qpa: Cs)

Bassendean Dunes/Pinjarra Plain

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

Lagoonal and estuarine Deposits (within the Bassendean Dunes/Pinjarra Plain)

Lagoonal deposits in Bassendean dunes (Qpw: S9)

VEGETATION AND FLORA

Vegetation Complexes

Pinjarra Plain

Beermullah Complex

Floristic Community Types: *not sampled, types inferred

Supergroup 1: Foothills/Pinjarra Plain

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

Supergroup 2: Seasonal Wetlands

*8 Herb-rich shrublands in clay pans

WETLANDS

Wetland Types: palusplain, artificial channel

Natural Wetland Groups

Pinjarra Plain

Keysbrook (P.1)

Wetland Management Objectives: Multiple Use, also Conservation and Resource Enhancement (DEP 1998)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Critically Endangered (floristic community type 3a), Vulnerable (floristic community type 8)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated wetland, vegetated uplands

Vegetation and Flora: limited survey (DEP 1996, DEP 1998, Keighery, BJ, and Trudgen 1992)

Structural Units: mapping (Keighery, BJ, and Trudgen 1992)

Uplands: *Eucalyptus calophylla* Open Forest to Woodland

Wetlands: *Actinostrobilus pyramidalis* and *Melaleuca* Tall Shrublands to Tall Open Scrub dominated by *Melaleuca viminea*, *Melaleuca lateriflora*, *Melaleuca uncinata*, *Melaleuca lateritia* and combinations of these; Closed to Open Heath dominated by *Kunzea recurva*, *Regelia ciliata* and *Pericalymma ellipticum*; Open Low Heath to Low Shrubland dominated by *Verticordia plumosa* var. *pleiobotrya* or *Baeckea tenuifolia*; Herblands dominated by *Borya* species, *Tribonanthes* species, *Stylidium* species and others in combination; Sedgeland dominated by *Leptocarpus aristatus*, *L. canus* and *L. coangustatus* or combinations of these; *Lepidosperma longitudinale* Sedgeland; *Baumea juncea* Sedgeland

Scattered Native Plants: *Eucalyptus calophylla* Open Forest to Woodland, *Casuarina obesa* Low Open Woodland — regionally significant vegetation recognised as being included in the area of Bushplan Site in need of protection

Vegetation Condition: >50% Good, <50 % Degraded, with areas of severe localised disturbance

Total Flora: not known

Significant Flora: *Verticordia plumosa* var. *pleiobotrya* (R), *Eryngium subdecumbens* ms (1), *Baeckea tenuifolia* (3)

Fauna: no known information

Linkage: no adjacent bushland

Other Special Attributes: contains plant communities representative of the eastern side of the Swan Coastal Plain

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Not listed

Opportunities and/or Constraints

Opportunities: Bushplan Site/part Bushplan Site location of Declared Rare Flora

Constraints: private land

Recommendation: The most appropriate mechanism for the protection of this Bushplan Site be considered through the public comment period in consultation with the land owner(s).



photo
15/12/1992

MAP 1: Location of regionally significant vegetation in relation to proposed Lot boundaries.

Photos 1 & 2 from Location 8 taken for Keighery and Trudgen 1992



Photos 3 - 6 of regionally significant vegetation in Bushplan Site 65, spring 1998





Keighly + Tredgen 1994



Location 8a

View to the Scarp from Abennathy Rd
showing roadside vegetation and private land
Casuarina obesa Low Open Woodland over
Actinostrobilus and *Melaleuca* Open Scrub



Location 8a

View to Scarp over private land.
Casuarina obesa Low Open Woodland
over Low Open Heath

8/16/47

WILD 1574 UAGA
Nr 13037 152,72

100063

-5022-1 267-57 100 0200 0220 56-

000000 003225 220125 601853



WILD 1574 UA6A
Nr 13037 152.72

000043

- 5022 - 1 267 - 60 100 0160 0280 56 -

000000 002592 001256 02378