

MANDOGALUP ROAD BUSHLAND, MANDOGALUP

Boundary Definition: bushland (part taken to cadastre) boundary

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 268

Area (ha): bushland 95.9

Map no. 64, 65

Map sheet series ref. no. 2033-I SW

Other names: not known

Local Authorities (Suburb): Town of Kwinana (Mandogalup)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Bassendean Dunes

Bassendean Sands (Qpb: S8)

Spearwood Dunes

Sands derived from Tamala Limestone (Qts: S7)

Wetlands (within the Spearwood Dunes)

Holocene Swamp Deposits (Qhw: Ms5)

VEGETATION AND FLORA

Vegetation Complexes

Bassendean Dunes

Bassendean Complex — Central and South

Spearwood Dunes

Karrakatta Complex — Central and South

Wetlands

Herdsmen Complex

Floristic Community Types: *not sampled, types inferred

Supergroup 4: Uplands centred on Spearwood and Quindalup Dunes

*25 Southern *Eucalyptus gomphocephala* — *Agonis flexuosa* woodlands

*28 Spearwood *Banksia attenuata* or *B. attenuata* — *Eucalyptus* woodlands

WETLANDS

No wetlands mapped

THREATENED ECOLOGICAL COMMUNITIES

Not assessed

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated uplands

Vegetation and Flora: limited survey (DEP 1998, roadside observations)

Structural Units

Uplands: *Eucalyptus gomphocephala* Low Open woodland over scattered *E. marginata*, *Banksia attenuata* and *B. grandis*; Mixed *Eucalyptus marginata*, *Banksia attenuata*, *B. menziesii*, *B. grandis* Open Forest; *Banksia attenuata*, *B. menziesii* Low Open Forest with scattered emergent trees of *Eucalyptus gomphocephala*

Wetlands: *Eucalyptus rudis* Open Forest over *Melaleuca raphiophylla*, *M. preissiana*, *Banksia littoralis* Low Open Forest

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

Vegetation Condition: >75% Excellent, <20% Good, with areas of severe localised disturbance

Total Flora: not known

Significant Flora: none recorded

Fauna: Significant mammal species: Quenda (Friend 1996 D)

Linkage: adjacent bushland to the south (Site 269, across road) and west; part of Greenway 78 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Not listed

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

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

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SECTION 1: CADASTRAL INFORMATION

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

Bushplan Site no. 268 **Map no.** 81 **Map sheet series ref. no.** 2033-I SW

Other names: not known

Area (ha): total 99.6; bushland 95.9

Local Authorities (Suburb)

Zoning

Town of Kwinana (Mandogalup)

MRS: Rural, Parks and Recreation, Important Regional Roads

TPS: Rural A, Rural B, Landscape

Ownership Categories

Local Government, Private (including commercial organisation)

Lot/Location/Reserve numbers (Purpose),

Street name

5 Norkett Rd; 89 Mandogalup Rd; 24 Hope Valley Rd; 1 street not identified

Crown Reserve

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WETLANDS

No wetlands mapped

THREATENED ECOLOGICAL COMMUNITIES

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SECTION 3: SPECIFIC SITE DETAIL

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

Vegetation Condition: >75% Excellent, >20% Good, with areas of severe localised disturbance

Total Flora: not known

Significant Flora: none recorded

Fauna: no systematic survey. Significant mammal species: Quenda (Friend 1996 D)

Linkage: adjacent bushland to the south (BS269 across road), east and west; part of proposed Greenway 93 (Tingay, Alan & Associates 1997a); part of a regionally significant contiguous bushland/wetland linkage (Volume 2A, Map 8)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Not listed

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Rarity, General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation, Criteria not relevant to determination of conservation value, but which may be applied when evaluating areas having similar values

Opportunities and/or Constraints

Opportunities: Bushplan Site/part Bushplan Site subject to Peel-Harvey Estuary EPP/SPP; under MRS Parks and Recreation Reservation and TPS Landscape Zoning, Crown Reserve

Constraints: private land; under MRD regional road requirements

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 SW

IV	NW	NE
2033	81	SE
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/environ/bushplan/bushv2_81.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

267

268

CHECK
LANDMARKS



BUSHPLAN SITES CORRECTED



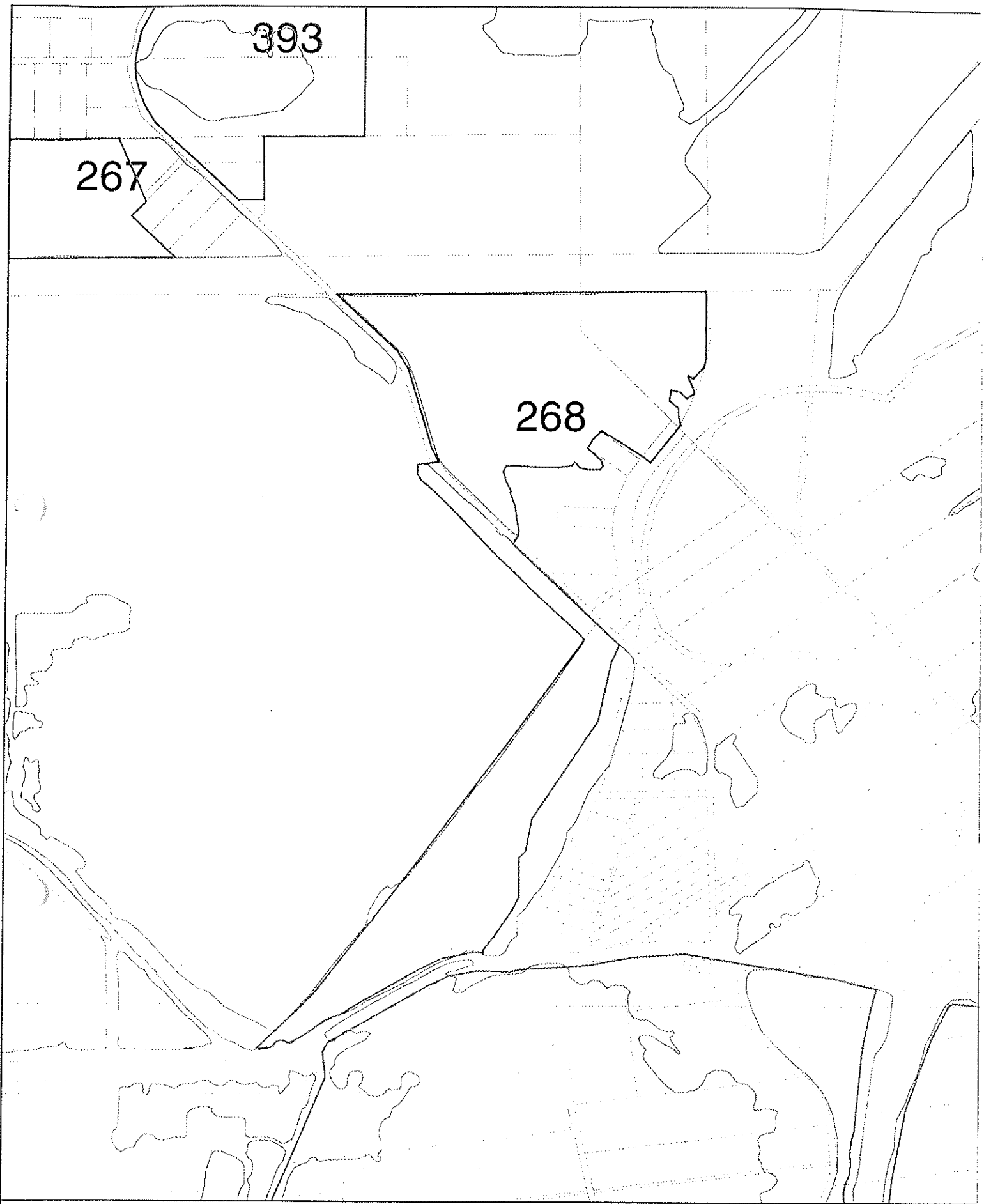
WESTERN
AUSTRALIAN
PLANNING
COMMISSION



CUSTOMER
FOCUS
WESTERN AUSTRALIA

P 76 28/10/98

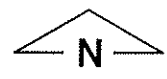




BUSHPLAN SITES CORRECTED



WESTERN
AUSTRALIAN
PLANNING
COMMISSION



CL 2 DESCRIPTIONS
- updated

DEP SYSTEM 6 UPDATE SUBMISSION SURVEY SHEET

B.J. KEIGHERY 9/95

BUSHLAND AREA BS 208 SITES YES/NO

DATE 4/14/97 RECORDERS

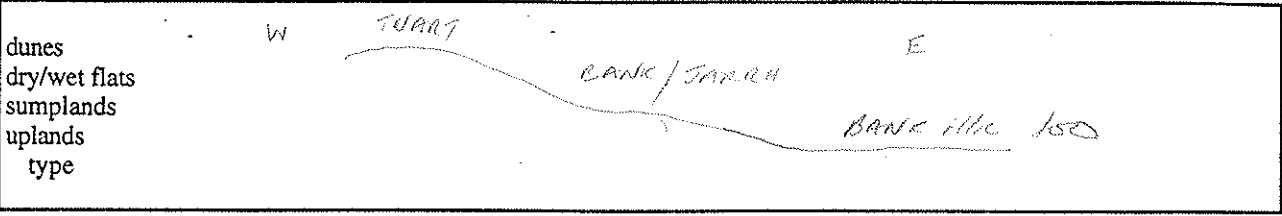
Observations edge transects

Geographic Location Latitude S Longitude E

Reference Map CGD 122 Mandogalup Rd

Photograph Photographer's Name BJK Photo No 2

Transect of landscape units



Soil Exposed rock type % area Colour

VEGETATION

Eucalypts	<i>E. calophylla</i>	<i>E. wandoo</i>	<i>E. marginata</i>	<i>E. todtianna</i>	<i>E. rudis</i>
	<i>E. decipiens</i>	<i>E. drummondii</i>	<i>E. haematoxylon</i>	<i>E. lanepolei</i>	<i>E. gomphocephala</i>
	<i>E. accedens</i>	<i>E. patens</i>	<i>E. laeliae</i>	<i>E. megacarpa</i>	
Sheoaks	<i>Allocasuarina fraserana</i>	<i>Casuarina obesa</i>			
Banksia	<i>B. attenuata</i>	<i>B. menziesii</i>	<i>B. prionotes</i>	<i>B. illicifolia</i>	<i>B. grandis</i>
					<i>B. listoralis</i>
Melaleuca	<i>M. preissii</i>	<i>M. raphiophylla</i>	<i>M. lanceolata</i>	<i>M. cuticularis</i>	
Others	<i>Callitris preissii</i>				
Mallees	Eucalypts	<i>E. argutifolia</i>	<i>E. petrensis</i>	<i>E. decurva</i>	<i>E. foecunda</i>
					<i>E. latens</i>

Vegetation Condition - Keighery 1994 (Trudgen 1993)

- 1 = 'Pristine' (Excellent)
- 2 = Excellent (Very Good) // * appears mostly weeds in tract
- 3 = Very Good (Good)
- 4 = Good (Poor) See notes on photo
- 5 = Degraded (Very Poor) and over.
- 6 = Completely Degraded

partial clearing

weeds P. Veget, wild oak, occ lept laev.

selective removal of species timber cutting mowing % dieback

fire frequency breaks maintained to 6m

'enrichment plantings'

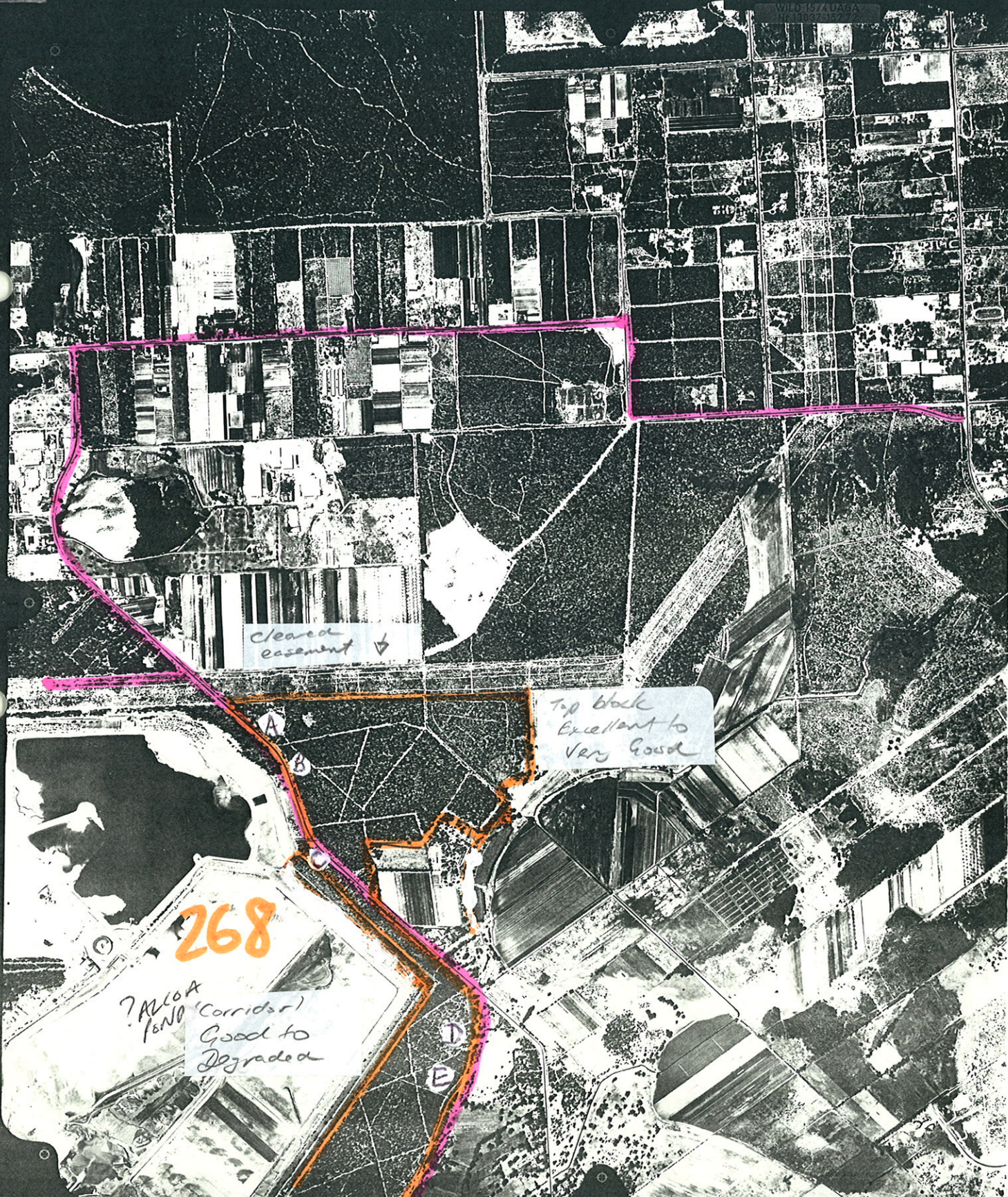
animal impact horse foxes rabbits cats dogs goats pigs overgrazing by native mammals
 soil movement mining dumping rubbish dumping roadworks
 changes in water regimes flooding drainage watering nutrient influx

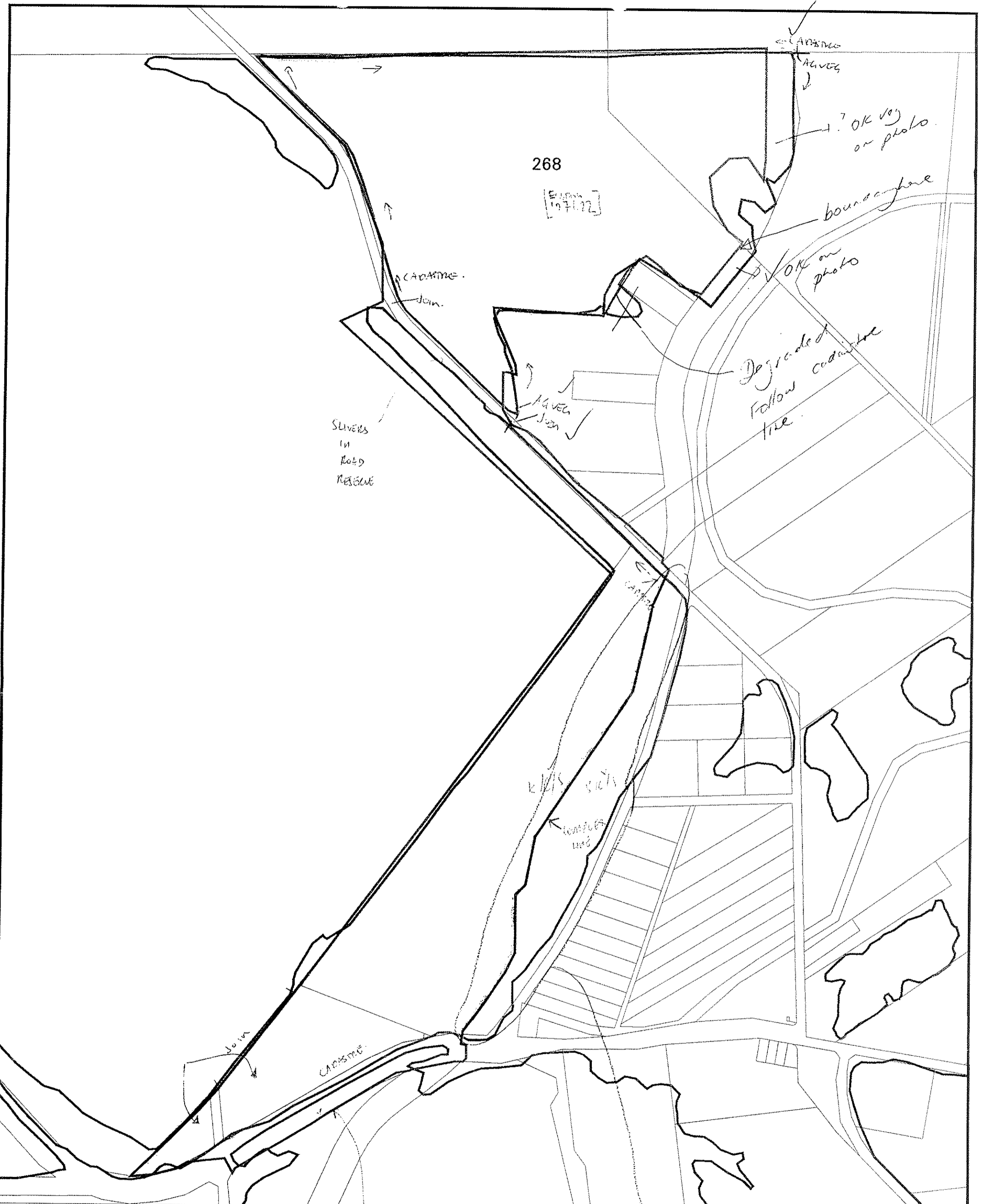
Tracks fire breaks walk trails off road vehicle use animal tracks

Service corridors SEC Main Roads Water Authority Telecom




Other

boundary BS
Inspection route





bp site 268

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

EXCLUDE
EAST CARPENTER ROAD

This veg. has value for linkage, variable condition mostly good - Degraded (4/11/98) BUT no rationale for excluding veg to E boundary on complex grounds. Veg values such that no need to recognise

Map Ident: plot980527_1	DATE: 27 May 98
Prepared By: Andrea Zappacosta	Prepared For:
Scale 1:AUTO	MFP INTERNAL USE ONLY

0  500 m