

WHITFORDS AVENUE BUSHLAND, CRAIGIE/PADBURY

Boundary Definition: protected area/bushland (part taken to cadastre and zoning) boundary (Areas of bushland within the boundaries of the Site have been recently cleared. Boundary proposed to be adjusted after vegetation survey and negotiations with the land owner(s) in response to a submission to draft *Perth's Bushplan*.)

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 303

Area (ha): bushland 215.1 (Proposed boundary circumscribes 139.5ha bushland.)

Map no. 33, 34

Map sheet series ref. no. 2034-II NW

Other Names: Submission Areas 146 and 159 Pinnaroo, Beenyup, Hepburn Conservation Reserve and Submission Area 160 Craigie bushland; Hepburn Heights; Pinnaroo Cemetery; Craigie Open Space

Local Authorities (Suburb): City of Joondalup (Craigie, Padbury)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Spearwood Dunes

Sands derived from Tamala Limestone (Qts: S7)

Tamala Limestone (Qtl: LS1)

Quindalup Dunes (Holocene Dunes)

Safety Bay Sands (Qhs: S2, LS4)

VEGETATION AND FLORA

Vegetation Complexes

Spearwood Dunes

Karakatta Complex — Central and South

Cottesloe Complex — Central and South

Floristic Community Types

Supergroup 4: Uplands centred on Spearwood and Quindalup Dunes

24 Northern Spearwood shrublands and woodlands

26b Woodlands and mallees on limestone

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

29a Coastal shrublands on shallow sands

WETLANDS

No wetlands mapped

THREATENED ECOLOGICAL COMMUNITIES

Not assessed

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: limestone ridge, tall dune, vegetated uplands

Vegetation and Flora: limited survey (DEP 1996 (Hepb 01-03, Pinn 01-03), Semeniuk, V&C Research Group 1991a, part Site — Foulds 1987 (Pinnaroo Cemetery), Keighery, BJ, and Clarke 1999 (Pinnaroo Cemetery)); detailed survey (part Site — Allen *et al.* 1994 (Craigie Open Space), Keighery, GJ, 1991b (Hepburn Heights), Tingay, Alan & Associates 1991a (Hepburn Heights))

Structural Units: mapping (Semeniuk, V&C Research Group 1991a, part Site — Keighery, BJ, and Clarke 1999 (Pinnaroo Cemetery), Tingay, Alan & Associates 1991a (Hepburn Heights), Allen *et al.* 1994 (Craigie Open Space))

Quindalup Dunes

Uplands: *Melaleuca systena* and *Acacia lasiocarpa* Open Low Heath; *Eucalyptus gomphocephala* Woodland; *Banksia prionotes* Woodland

Spearwood Dunes

Uplands — Sands derived from Tamala Limestone: Open Forest to Woodland dominated by *Eucalyptus marginata*, *E. calophylla* or *E. gomphocephala*; Low Woodland to Open Low Woodland dominated by *Banksia attenuata*, *B. menziesii*, *B. prionotes* or *Allocasuarina fraseriana* and combinations of these (these areas may contain scattered emergent *Eucalyptus marginata* or *E. gomphocephala*); *Acacia saligna* Shrubland; *Acacia rostellifera* Shrubland

Uplands — Tamala Limestone: *Eucalyptus decipiens* Low Woodland; *Acacia rostellifera* Shrubland; *Acacia truncata* Shrubland; *Dryandra sessilis* var. *cygnorum* Closed Heath; *Lepidosperma gladiatum* Sedgeland

Scattered Native Plants: *Eucalyptus gomphocephala* Woodland

Vegetation Condition: >70% Very Good to Excellent, <30% Good to Degraded, with areas of severe localised disturbance

Total Flora: 235 native taxa, 66 weed taxa (compiled from Allen *et al.* 1994, Foulds 1987, Keighery, GJ, 1991b, Tingay, Alan & Associates 1991a) (estimated >85% of expected flora)

Significant Flora: *Sarcozona bicarinata* (3), *Jacksonia sericea* (3); *Lechenaultia linarioides*, *Ricinocarpus glaucus*, *Callitris preissii* (most northern population on the Plain); typical Tamala Limestone taxa: *Grevillea preissii*, *Diplopeltis huegelii* var. *huegelii*, *Trymalium ledifolium* var. *ledifolium*

Fauna: structured surveys for birds (36 species), native mammals (3 species), reptiles (19 species) and amphibians (2 species) (Allen *et al.* 1994, How *et al.* 1996). Significant bird species: category 3 (6) including Grey Shrike-thrush, Weebill, Yellow-rumped and Western Thornbills and Splendid Fairy-wren, and category 4 (2). Significant mammal species: Western Brush Wallaby; Quenda (Friend 1996 D). Significant reptile species: Two-striped Snake (*Simoselaps bimaculatus*) and Half-ringed Snake (*S. semifasciatus*)

Linkage: adjacent bushland to the east (Site 407, across freeway); part of a regionally significant fragmented bushland/wetland linkage (Part A, Map 7); part of Greenways 9, 10 (Tingay, Alan & Associates 1998a)

Other Special Attributes: recommended for protection in study of City of Wanneroo bushland (Trudgen 1996); contains Quindalup/Spearwood Dunes System interface; Quindalup Dunes at 9kms from the coast; part Site recommended for conservation by Semeniuk, V&C Research Group (1991a)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Entered in the Interim List of the Register of the National Estate

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Diversity, Rarity, Scientific or evolutionary importance

Recommendation: Part A: 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. Part B: Cemeteries Mechanism; cemetery – subject to boundary review. Part C: Other Government Land Mechanism (see Table 3, Volume 1).

WHITFORDS AVENUE BUSHLAND, CRAIGIE/PADBURY

Boundary Definition: protected area/bushland (part taken to cadastre and zoning)boundary

SECTION 1: CADASTRAL INFORMATION

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

Bushplan Site no. 303 **Map no.** 38, 44 **Map sheet series ref. no.** 2034-II NW

Other Names

Submission Areas 146 and 159 Pinnaroo, Beenyup,
Hepburn Conservation Reserve and Submission Area 160
Craigie bushland; Hepburn Heights; Pinnaroo Cemetery;
Craigie Open Space

Local Authorities (Suburb)
City of Joondalup (Craigie, Padbury)

Area (ha): total 252.6; bushland 215.1

Zoning

MRS: Public Purposes-Water Authority, Urban, Parks and Recreation, Controlled Access Highways, Important Regional Roads, Public Purposes-Special Uses

TPS: Landscape, Residential Development, Special Development A, Special Zone

Lot/Location/Reserve numbers (Purpose), Street name

8850 Copperhead Ave; 9205, 11898, 11899, 11900
Hepburn Ave; 9976 Holleton Tce; 9067, 9959, 10270,
10989 Leviathan Wy; 8278 Mitchell Fwy; 8889, 9067,
9097, 11401 Whitfords Ave; 9097, 9959, 11398
Pinnaroo Dr; 10988 Stanley Pl; 10084, 12649 street not
identified

Crown Reserve

Ownership Categories

State Government, Local Government, Not identified

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Spearwood Dunes

Sands derived from Tamala Limestone (Qts: S7)
Tamala Limestone (Qtl: LS1)

Quindalup Dunes (Holocene Dunes)

Safety Bay Sands (Qhs: S2, LS4)

VEGETATION AND FLORA

Vegetation Complexes

Spearwood Dunes

Karakatta Complex — Central and South
Cottesloe Complex — Central and South

Floristic Community Types

Supergroup 4: Uplands centred on Spearwood and Quindalup Dunes

- 24 Northern Spearwood shrublands and woodlands
- 26b Woodlands and mallees on limestone
- 28 Spearwood *Banksia attenuata* or *B. attenuata* — *Eucalyptus* woodlands
- 29a Coastal shrublands on shallow sands

WETLANDS

No wetlands mapped

THREATENED ECOLOGICAL COMMUNITIES

Not assessed

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: limestone ridge, tall dune, vegetated uplands

Vegetation and Flora: detailed survey (part Bushplan Site, Hepburn Heights — Keighery, GJ, 1991b, Tingay, Alan & Associates 1991a ; Craigie Open Space — Allen *et al.* 1994); limited survey (DEP 1996 (Hepb 01-03), (Pinn 01-03); Pinnaroo Cemetery — Foulds 1987)

Structural Units: mapping (part Bushplan Site, Craigie Open Space — Allen *et al.* 1994; part Bushplan Site — Hepburn Heights, Pinnaroo Cemetery and Craigie Open Space: Semeniuk, V&C Research Group 1991a; part Bushplan Site — Hepburn Heights and Pinnaroo Cemetery — Tingay, Alan & Associates 1991a)

Quindalup Dunes

Uplands: *Melaleuca acerosa* and *Acacia lasiocarpa* Open Low Heath; *Eucalyptus gomphocephala* Woodland; *Banksia prionotes* Woodland



Spearwood Dunes

Uplands - Sands derived from Tamala Limestone: Open Forest to Woodland dominated by *Eucalyptus marginata*, *E. calophylla* or *E. gomphocephala*; Low Woodland to Open Low Woodland dominated by *Banksia attenuata*, *B. menziesii*, *B. prionotes* or *Allocasuarina fraseriana* and combinations of these (these areas may contain scattered emergent *Eucalyptus marginata* or *E. gomphocephala*); *Acacia saligna* Shrubland; *Acacia rostellifera* Shrubland
 Uplands - Tamala Limestone: *Eucalyptus decipiens* Low Woodland; *Acacia rostellifera* Shrubland; *Acacia truncata* Shrubland; *Dryandra sessilis* var. *cygnorum* Closed Heath; *Lepidosperma gladiatum* Sedgeland

Scattered Native Plants: *Eucalyptus gomphocephala* Woodland

Vegetation Condition: >70% Very Good to Excellent, <30% Good to Degraded, with areas of severe localised disturbance

Total Flora: 235 native taxa, 66 weeds (compiled from Allen *et al.* 1994, Foulds 1987, Keighery, GJ, 1991b, Tingay, Alan and Associates 1991a) (estimated >85% of expected flora)

Significant Flora: *Sarcosoma bicarinata* (3), *Jacksonia sericea* (3); *Lechenaultia linarioides*, *Ricinocarpus glaucus*, *Callitris preissii* (most northern population on the Plain); typical Tamala Limestone taxa: *Grevillea preissii*, *Diplopeltis huegelii*, *Trymalium ledifolium* subsp. *ledifolium*

Fauna: multiple and structured surveys by Western Australian Museum of Natural Science and Edith Cowan University (Allen *et al.* 1994) for birds (36), native mammals (3), reptiles (19) and amphibians (2) (How *et al.* 1996). Significant bird species: category 3 (6) including Grey Shrike-thrush, Weebill, Yellow-rumped and Western thornbills and Splendid Fairy-wren, and category 4 (2). Significant mammal species: Western Brush Wallaby, Quenda (Friend 1996 D). Significant reptile species: Two-striped Snake (*Simoselaps bimaculata*) and Half-ringed Snake (*S. semifasciata*)

Linkage: no adjacent bushland; part of a regionally significant fragmented bushland/wetland linkage (Volume 2A, Map 8)

Other Special Attributes: recommended for protection in study of City of Wanneroo bushland (Trudgen 1996); contains Quindalup/Spearwood Dunes System interface; Quindalup Dunes at 9kms from the coast; part Bushplan Site recommended for conservation by Semeniuk, V&C Research Group (1991a); part of proposed Greenways 10, 11 (Tingay, Alan & Associates 1997a)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Interim List of the Register of the National Estate

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Diversity, Rarity, Scientific or evolutionary importance

Opportunities and/or Constraints

Opportunities: Bushplan Site/part Bushplan Site under MRS Parks and Recreation Reservation and TPS Landscape Zoning, Crown Reserve








Constraints: under MRS Urban Zoning, MRD regional road requirements

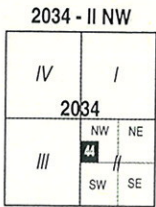
Recommendation: The most appropriate mechanism for the protection of this Bushplan Site be considered through the public comment period in consultation with the land owner(s). This may include — The existing care, control and management intent of the reserve is endorsed. Long-term security and support for conservation management of the Bushplan Site be enhanced by: amending the purpose of the reserve to include conservation; and applying appropriate mechanisms in consultation with the reserve management body.





LEGEND

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



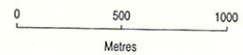
1 : 25 000 AMG Reference Grid showing Perth's Bushplan Map Sheet Breakdown

PERTH'S BUSHPLAN MAP INDEX

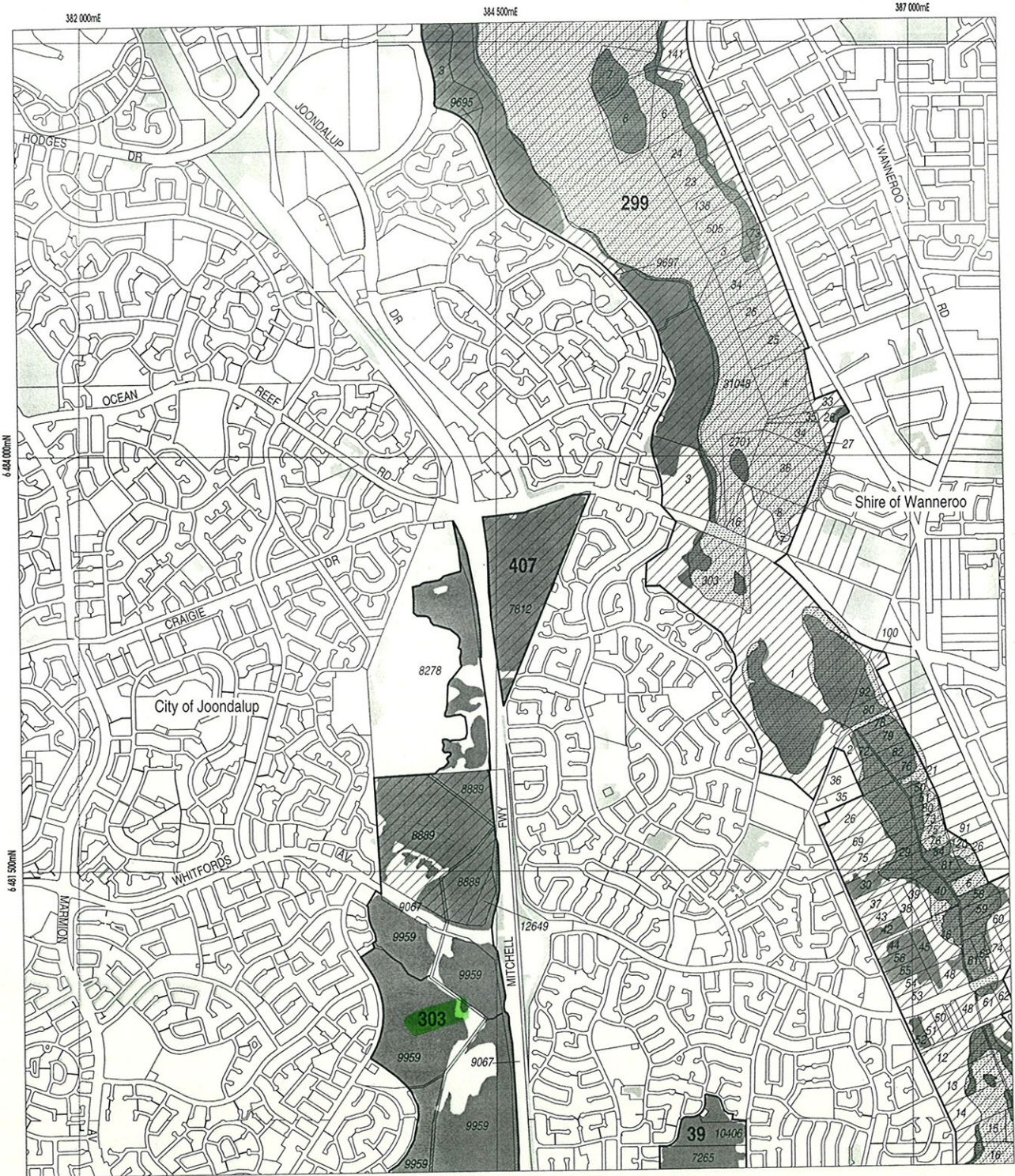
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100
101	102
103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









SCALE

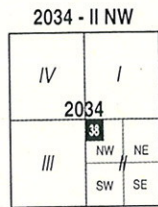


Produced by Project Mapping Section
 Land Information Branch, Ministry for
 Planning, Perth W.A. November 1998
 ntw-map11/enviro/bushplan/bushv2_44.dgn
 Cadastral Data supplied by Department
 of Land Administration, W.A.
 Wetlands Data supplied by
 Water and Rivers Commission
 Native Vegetation Extent for Study Area
 supplied by Agriculture Western Australia



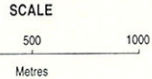
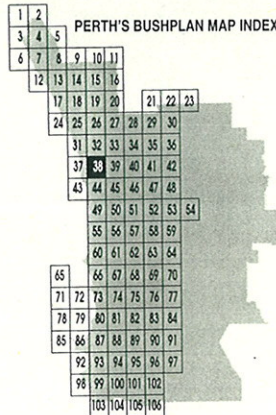
LEGEND

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



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

PERTH'S BUSHPLAN MAP INDEX



Produced by Project Mapping Section
 Land Information Branch, Ministry for
 Planning, Perth W.A. November 1998
 ntw-map111/enviro/bushplan/bushv2_38.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

For more info on cemeteries

- * BFS 303 Pinaroo
- * BFS 306 Midland
- * BFS 386 Guildford (part of Perth Airport)

see BFS 306 Midland.

(partic for FCT analysis).

Bush Forever Site 303: Whitfords Avenue Bushland (Southern Section)



Aerial Photography: Perth Metro Area - North West 2003

200 0 200 400 Meters

Floristic Survey Sites of the Southern Swan Coastal Plain

- GJKENV
- GRIFFIN
- SCP
- SYS6ENV
- SYS6ENV2
- Local Government Authority Boundaries
- Bush Forever Sites



Projection: Map Grid of Australia (MGA94)

Department of Environment
Western Australia

This map has been produced using various data from other agencies. No responsibility is accepted for any error or omission.

Bush Forever Site 303: Whitfords Avenue Bushland (Northern Section)



Aerial Photography: Perth Metro Area - North West 2003

Floristic Survey Sites of the Southern Swan Coastal Plain

- GJKENV
- GRIFFIN
- SCP
- SYS6ENV
- SYS6ENV2

- ▭ Local Government Authority Boundaries
- ▭ Bush Forever Sites

200 0 200 400 Meters



Projection: Map Grid of Australia (MGA94)

Department of Environment
Western Australia

This map has been produced using various data from other agencies. No responsibility is accepted for any error or omission.

Application for the removal of land from the Bushplan register on behalf of the residents of Hepburn Heights by the Hepburn Heights Land Owners Association.

Water Corporation Lot 9976 Hepburn Heights, Padbury, part of Bushplan Block 303.

The residents of the Hepburn Heights community are seeking the removal of the Water Corporation land at Lot 9976 Hepburn Heights from the Bushplan register of lands (See Diagram 1). The freeing up of the use of the land would aid in the solution of serious safety, social and traffic problems that are developing due to the poor design and planning of the Hepburn Heights area. The development of the Hepburn Heights area has a long history including a great deal of controversy leading to changes to the original concept plan and development of a conservation area.

The Water Corporation land at Lot 9976 was originally allocated for the building of a chlorine water treatment facility. This facility required a larger buffer zone for health and safety regions so land adjacent to the site was allocated to community groups. Due to changes in technology the land has become surplus to Water Corporation requirements. The Water Corporation has been investigating plans to dispose of the land in line with their current guidelines and practices.

The original plan for the area connected development through to the suburb of Padbury and had adequate access to the large community sites. When the area of development was scaled down and the conservation area allocated the ensuing residential development and community sites were isolated from adjoining suburbs. The access to the large-scale community sites was restricted to one road through the residential development. It is the safety and traffic problems that have developed from the over development of the community sites that the residents have been seeking a solution to for the last four years.

The Water Corporation wishes to dispose of their land at Lot 9976 Hepburn Heights and if they can do so for residential development it offers all of the groups associated with the area the opportunity to restructure the area to provide positive outcomes for

MINISTRY FOR
PLANNING
28 APR 1999
805-2-1-32p12

103

all concerned. It is our understanding that the Water Corporation will also be applied to have the land removed from under the Bushplan umbrella so they can develop it.

After much consultation and co-operation the community of Hepburn Heights together with the Hepburn Heights Landowners Association have developed a plan for redevelopment of community sites which, we believe, benefits all parties (See diagram 2). The proposal arranges the developments so as to remove the traffic problems in the residential estate that are the cause of concern to the residents, obtain a better marketable option for the Water Corporation and centralise the community groups with improved access.

The planning process included consultation with representatives of conservation groups. The major concern of these groups was the continuity of the green belt connecting Pinaroo Cemetery (Location 9959) and the Hepburn Heights conservation area (Location 11900). The connecting band is small and fragile. The severing of this link would isolate and endanger the viability of the Hepburn Heights conservation area thus defeating the purpose of its existence. The Cemeteries Board is planning to sever this link by building a road through to the Hepburn Heights area. The community proposal provides an alternative to this, thus maintaining the link between bush land regions.

The restructuring proposal was put forward to Joondalup Council, Ministry for Planning, LandCorp, Water Corporation, DOLA and the associated community groups. The response has been positive. LandCorp has undertaken a more in depth feasibility study of the proposal and has developed a modified version that leaves the majority of the Water Corporation land under Bushplan (See diagram 3). We have been informed that LandCorp is going to apply for the removal of a small section of the Water Corporation land from the Bushplan register to allow the modified version of the proposal to take place.

The community of Hepburn Heights believes the release of some or all of the Water Corporation land for residential development is absolutely necessary to help rectify the poor planning legacy they have been left with. The community is aware of the need to conserve natural bush land and desire to maintain as much bush as is possible

whilst finding a solution to the problems that have been created. There are significant parts of the Lot 9976 that have already been degraded by the building of drains, mounds and fire tracks. The surrounding area already has significant amounts of bush land including the Hepburn Heights conservation area, Pinaroo Cemetery, Lilburne Reserve and Craigie Open Space. The use of some or all of the Water Corporation land would not have a significant impact on the environment of the region.

In conclusion the community of Hepburn Heights support the removal of all or part of Lot 9976 from the Bushplan register of lands. The benefits to the community of freeing up the use of this land far out weigh the any impact on the remnant bush. The proposal also maintains the fragile link between the green belt of the Hepburn Heights and Pinaroo Cemetery, which is in danger of being broken by government departments. The community does want to retain as much of the bush as possible but not at the cost of the safety of the lives of the members of the community.

Gary Young
Vice Chairman
Hepburn Heights Land Owners Association
46 Walter Padbury Boulevard
Hepburn Heights, 6025
Ph/ Fax (08) 9401 3256

On behalf of the residents and community of Hepburn Heights, 23 April 1999.

101

The following is an outline of the benefits for the community of the restructuring proposal as presented to the Joondalup Council, the Minister of Planning and all affected community groups.

Outline of Hepburn Heights Proposal.

The proposed plan involves the building of a service slip road from Hepburn Avenue along the eastern edge of the estate and then west along the northern boundary of the park to access all the community developments. The school, mosque and Shiloh Centre car park are all relocated to the northeast corner of the estate. All access points to the developments from within the estate would be closed and all traffic for the community development sites would travel along this road. This would mean that traffic within the Hepburn Heights estate would be only residential and thus ensuring a safer precinct.

The eastern end of the Water Corporation land and the community development land could then be used for residential development. This approach leads to a more continuous flow of the residential area and would offer better development potential. The community facilities have the ability to function in a way that impacts only minimally on the residents. Shared parking becomes more feasible and accessible.

Access to the slip road from Hepburn Avenue would be at least a left in/ left out junction with the possibility of a larger junction subject to design constraints from the Main Roads Department. There is scope for U-turn facilities on Hepburn Avenue. The community believes that there is more than sufficient room along Hepburn Avenue and the eastern side of the estate for such a road to be built and that any objections are purely bureaucratic.

Listed below are the benefits that we believe flow from this proposal:

- ◆ The problem of traffic volume and congestion would be removed from Walter Padbury Boulevard, Chadlington Drive and Fernwood Square.
- ◆ HHLOA and residents are surrendering some land that would have been left undeveloped.
- ◆ All of the community groups would receive land allocation at least equivalent to that already allocated.

- 100
- ◆ Water Corporation would have a more marketable parcel of land available to offer to developers thus realising a better financial return.
 - ◆ Between 60 and 70 residential blocks could be made available for sale by a developer.
 - ◆ Rating of these properties would generate additional revenue for City of Joondalup.
 - ◆ Community groups could function more freely within their own areas.
 - ◆ Shared parking facilities would be more readily accessible to all community groups.
 - ◆ The Shiloh Church could purchase a larger area for carparking without imposing on the residential community.
 - ◆ There could be a buffer of natural vegetation between the community groups and residential buildings.
 - ◆ This proposal does not break the green belt, as do alternative proposals that suggested to access the community sites through the Pinnaroo cemetery or Pinnaroo Heights.
 - ◆ More residential blocks would generate more custom for the shopping centre.

The disadvantages of the proposal, which could easily be overcome if all parties give support to the proposal, include:

- ◆ The cost of providing the access road to the community sites.
- ◆ Relocation costs associated with expenses already incurred by the Shiloh Church in the construction phase of their old car park site.
- ◆ The costs of adjusting the Anglo-Indian Association car park entry from Fernwood Square to the new access road.

These disadvantages are considered minimal in view of the overall benefits that would accrue to all parties concerned. The City of Joondalup has already committed \$80 000 for the construction of an additional in/out access point off Hepburn Avenue from the junction of Chadlington and Blackwattle Drives. This funding can be redirected to the new proposal, as the additional exit to and from the estate would no longer be required. The City of Joondalup, the Water Corporation and the State Government could fund the overall cost of the proposed slip road. A further possibility is that a condition of the sale of land to a developer could be that the developer must construct the access road to the community sites as per the HHLOA proposal

Overall the community firmly believes that this proposal is feasible, fair, practical and beneficial to all parties. There will be the need for co-operation and patience. The support, vision and willingness to implement a non-bureaucratic plan are essential contributions from all parties.

The community looks forward to your continued support, commitment to a positive outcome and response to their proposal.

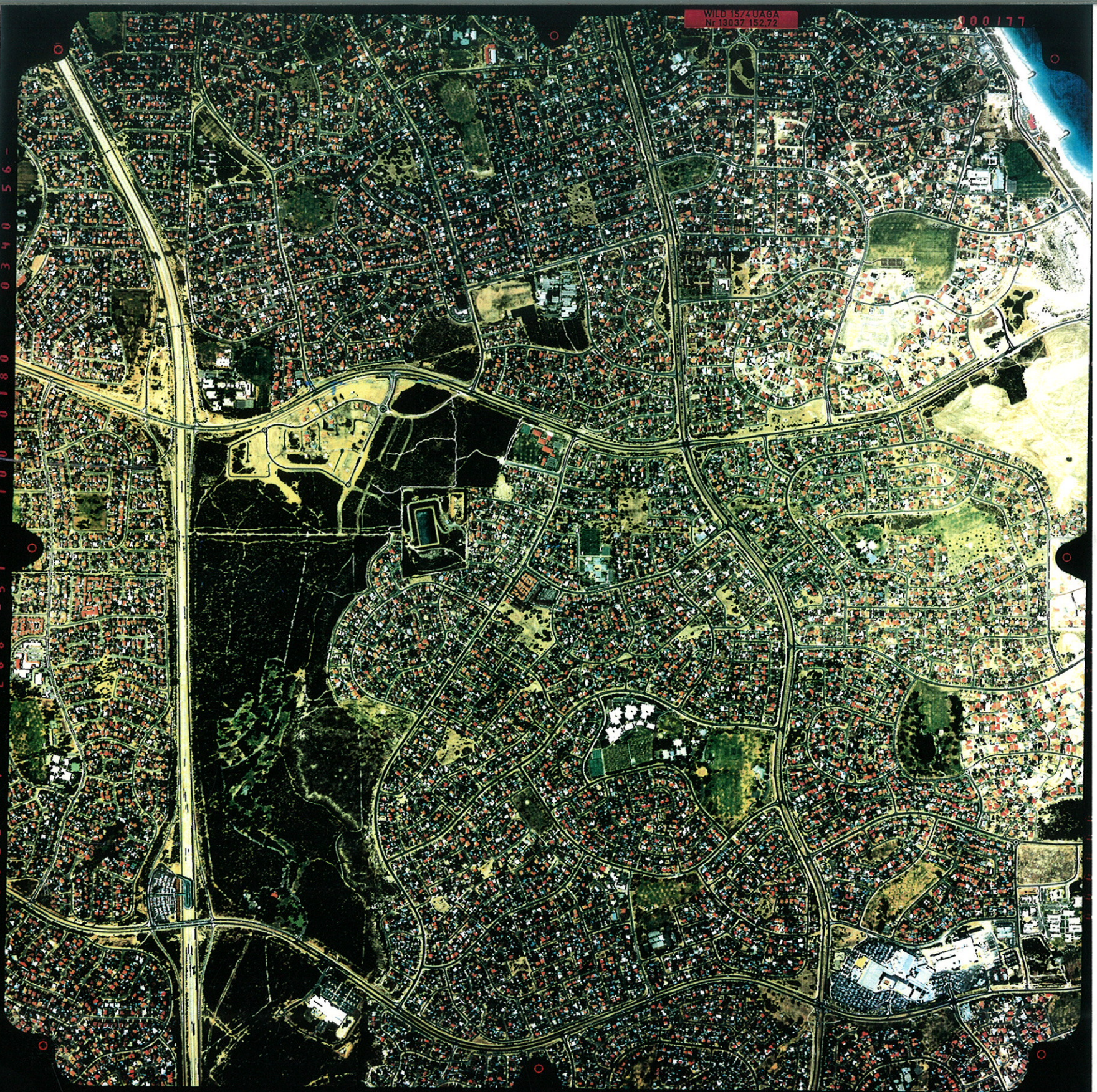
Yours faithfully



Gary Young
Vice Chair
Hepburn Heights Land Owners' Association

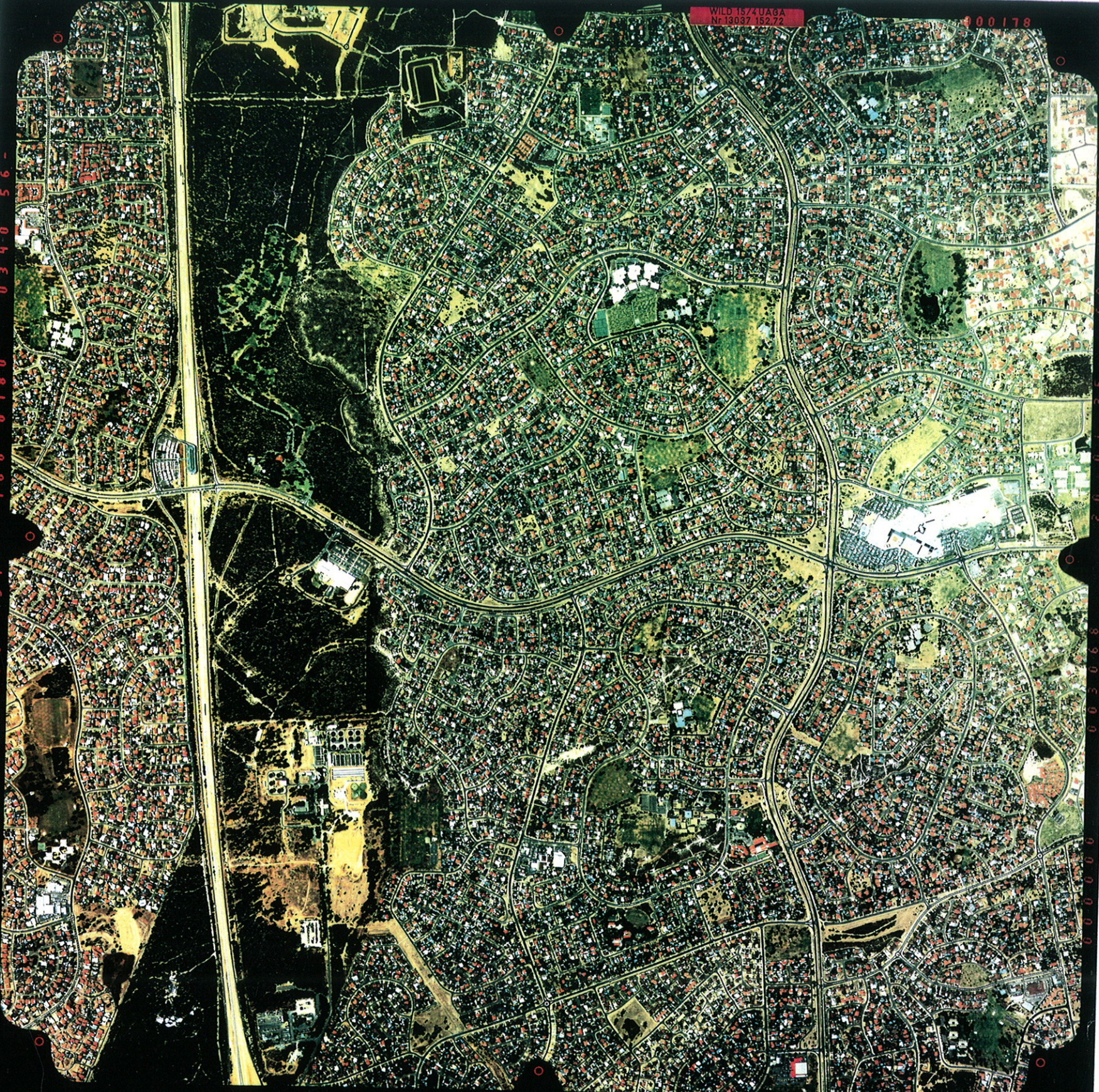
WILD 1574 UA6A
Nr 13037 152.72

000177



WILD 1574 UAGA
Nr 13037 152.72

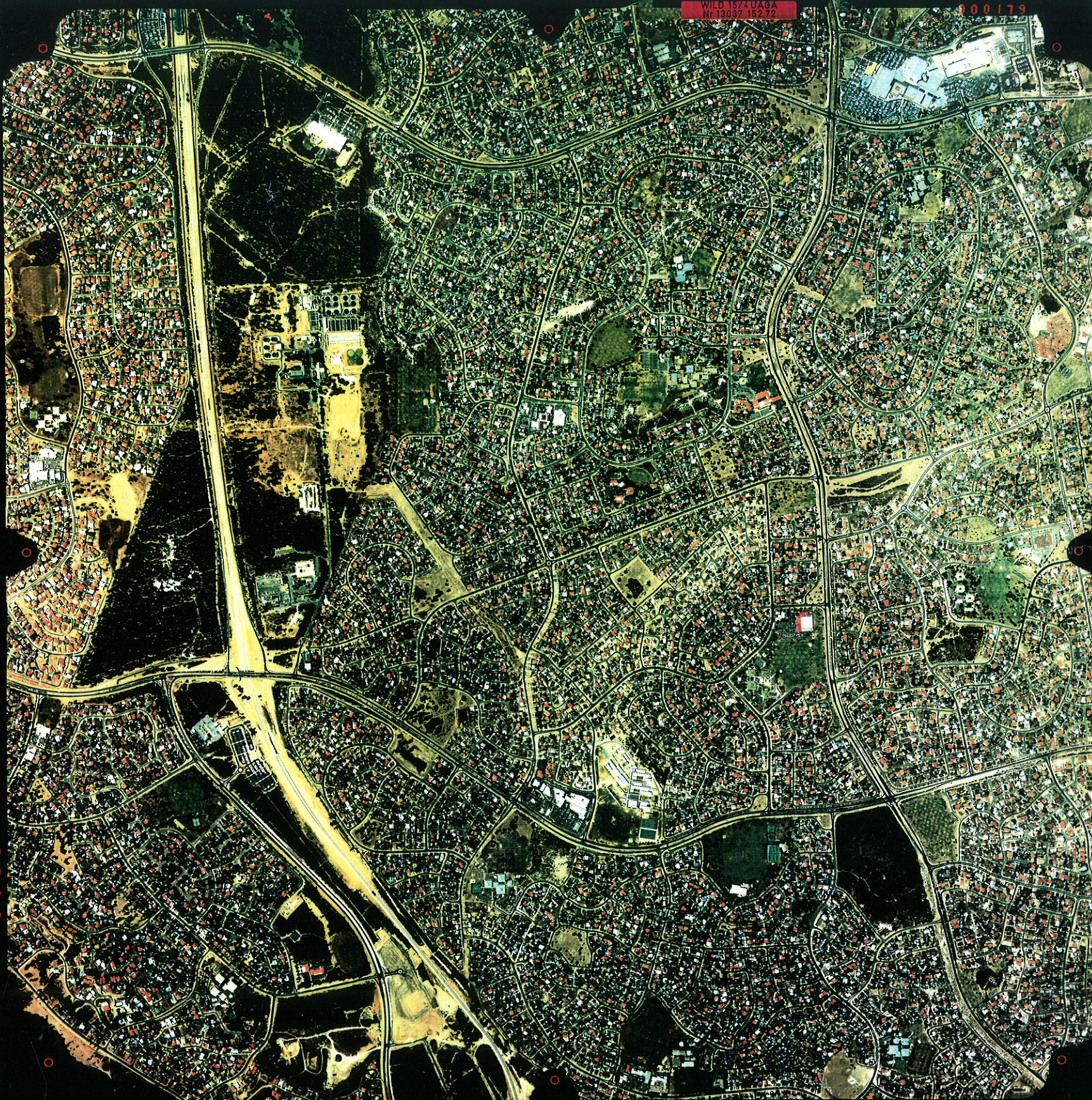
00178



WILD 1574 UAGA
No 13097 15272

000179

-5022-1269-56-1000180-03056-



WILD 1574UAGA
Nr 13037 152.72

000222

-5022-1271-566-1000180-034056-

5216

WA 3317 (C) METRO REGIONAL AREA

RUN 8 (5195-5221) 1:20000 04-JAN-94 930400

WILD 1574 UAGA
Nr 13037 152,72

100224



100 0180 030 56
-5022-1 269-54

6 202 3 3 2 1 3 1 2 3 4 5 6

WILD 1574 UAGA
Nr 13037 15272

100062

-5022-1268-591000200028056-

000000003125200123601335



WILD 1574 UAGA
Nº 13037 152.72

100063

5022-1268-561000200028056-

000000003125210125601904



WILD 1574 UAGA
Nr 13037 18272

100064

Pinaroo +
Woodvale
Reserve