
TOOLERN STRUCTURE PLAN

CULTURAL HERITAGE CONSTRAINTS AND OPPORTUNITIES

For MacroPlan Australia

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1 INTRODUCTION

The Toolern Structure Plan study area contains high Aboriginal and historic cultural heritage values (Section 2: Values). Any future development must comply with historic and Aboriginal heritage Acts (Section 3: Constraints). The overlap of heritage with other values (e.g. flora & fauna) and strategic planning objectives indicates that the social and economic benefits of heritage opportunities will out way costs imposed by heritage constraints (Section 4: Opportunities).

2 HERITAGE VALUES

Aboriginal

Aboriginal Affairs Victoria site registry lists 56 sites within or in close proximity to the study area including 49 stone artefact scatters (88%) and 7 scarred trees (12%) (see Table below). Sites are focused on waterways, although stone artefact scatters can be found throughout the plain. A comprehensive list of sites and co-ordinates are found in Appendix 2.

Aboriginal Site-Type & Number

Site Type	Number
Artefact Scatter	49
Scarred Tree	7
Total	56

Various regional and localised cultural heritage investigations have been conducted in or included the study area (du Cros 1989, Webb & Marshall 1995, Nicolson 1999, Murphy 1999, Murphy & Amorosi 2004, Hyett 2006, Paynter 2006a&b, Murphy & Porter 2007; Light 2007). Investigations have primarily comprised field survey. These investigations generally record obtrusive site types such as scarred trees or sites in disturbed areas with high ground surface visibility such as surface artefact scatters. Few investigations have conducted mechanical subsurface testing (cf Paynter 2006b) and no investigations have comprised controlled hand excavation. Therefore there are no detailed site scientific significance assessments of subsurface Aboriginal sites (i.e. stone artefact scatters) and means that the specific values of areas of sensitivity for this site type are not known in detail. Stone artefact scatters and scarred trees are the primary site type to be found within the study area and will likely be the focus of cultural heritage management issues for development for high impact activities (i.e. that significantly disturb the ground surface).

European activities since contact have adversely impacted the Aboriginal cultural heritage of the study area. Initial land clearance has removed most of the old growth vegetation including trees with evidence of cultural scarring. Rock removal and ploughing throughout most of the plains and up to the escarpment edge has disturbed subsurface stone artefact scatters and subsequently will have reduced their scientific significance. Commercial, industrial and residential development has effectively destroyed any sites within built up areas of Melton and South Melton.

From the archaeological background the implications for the Toolern Structure Plan are:

- There are 56 Aboriginal sites recorded in or near the study area including 49 stone artefact scatters and seven scarred trees;
- The majority of sites are located within 200m of waterways (Werribee River and Toolern Creek);
- Scarred trees are found on mature remnant old growth trees along waterways but may also be found on plains;
- Scarred trees in good condition are likely to be assessed having moderate to high scientific significance
- Larger more significant stone artefact scatters will be located within: 200m of waterways (rivers, creeks); 100m of escarpments; 100m of marshes, swamps, waterholes, springs; and 50m of drainage lines;
- A recent cultural heritage assessment of the proposed Toolern Regional Park identified high Aboriginal cultural heritage values requiring further investigation;
- Low-density stone artefact scatters will be found throughout the plain but will likely be disturbed by prior ground disturbance such as stone removal and ploughing. They are likely to be of low scientific significance;
- Aboriginal burials are historically reported but have never been located (SMHS 2007). Aboriginal burials may also be located along watercourses and escarpments. None are recorded at present and the potential is considered low;
- Other Aboriginal site types such as stone arrangements and quarries are possible but unlikely to be located within the study area.

The location of sites and likely site-types may be summarised as follows:

Location	Site Type	Level of Potential
Toolern Creek & Escarpment	Stone artefact scatters, scarred trees	High
Werribee River & Escarpment	Stone artefact scatters, scarred trees	High
Toolern Regional Park	Stone artefact scatters, scarred trees	High
Remnant woodland	Scarred trees	High
Former swamps	Artefact scatters	Unknown – likely moderate
Plains	Low density isolated stone artefacts & scatters	Low

Historic

The Shire of Melton Heritage Study (SMHS 2007) provides a comprehensive thematic review of the historic heritage values within the Shire. It is to be highly commended for its identification of historic archaeological potential, which is rare in studies of this type. In particular it identifies the archaeological potential of two important themes: first settlement and late 19th century early 20th century rural development. Both are identified as potential high value opportunities within the Toolern Structure Plan (Section 3).

Stage 1 prepared a thematic history of the post-contact settlement and development of the Shire and identified all the post-contact places of potential cultural significance. Stage 2 assessed and documented the identified places against the Australian Heritage Commission's criteria; and provided recommendations for statutory registers and heritage conservation programs. One hundred and ninety-one places were identified and assessed. Of these 113 were recommended for inclusion onto the Melton Planning Scheme Heritage Overlay and seven places on the Victorian Heritage Register. In addition, 57 places were identified as 'Conservation Desirable', 22 places as worthy of heritage protection, and 61 'historical and archaeological places'.

The standout historic place currently on the Melton Shire Planning Scheme Heritage Overlay within the Toolern Structure Plan Study area is Exford. Melton Shire is also documenting dry stonewalls initially identified in the SMHS.

Identified historic cultural heritage places of greatest importance to the Toolern Structure Plan are associated with the themes of first settlement and late 19th century rural development, Closer Settlement, and the break-up of the great pastoral estates. Exford Estate is the prime example of these themes and presents one of the principle cultural heritage opportunities for the Toolern Structure Plan.

The location of sites and likely site-types may be summarised as follows:

Location	Site Type	Level of Potential
Werribee River & Toolern Creek	First settlement (Exford): homestead, outbuildings, huts, tracks and buried deposits (wells, cisterns & foundations)	High
Plains	Late 19 th and early 20 th century closer settlement (houses, underground wells, cisterns, dry stonewalls)	Low-Moderate

3 CONSTRAINTS

Developments must comply with Aboriginal and historic heritage Acts.

Aboriginal Heritage Act 2006, Aboriginal Heritage Regulations 2007

The *Aboriginal Heritage Act 2006* commenced operation on 28 May 2007. The *Aboriginal Heritage Regulations 2007* have been developed to support the operation of the Act and will be reviewed after 12 months operation. Both the Act and the Regulations are explained in greater detail in Appendix 1.

One of the primary aims of the Act is to ensure that the protection of Aboriginal cultural heritage is an integral part of the planning and land development processes. Under the Regulations, Cultural Heritage Management Plans (CHMPs) are compulsory if high impact activities are planned in proscribed areas of cultural sensitivity. Areas of cultural sensitivity relevant to the Toolern Structure Plan under the Regulations to the Act include waterways (including rivers, creeks, swamps & marshes), parks and registered cultural heritage places (Part 2, Division 3). It is important to note that although escarpments are not triggers in the Act or Regulations they have demonstrated high Aboriginal archaeological values and must be considered as an area of cultural sensitivity in the Toolern study area. High impact activities are those specified under Part 2 Division 5 of the Regulations and cause significant ground disturbance. Significant ground disturbance means the disturbance of topsoil or surface rock layer of the ground or a waterway by machinery in the course of grading, excavating, digging, dredging or deep ripping. CHMPs are also required for Environmental Effects Statement and may also be required by the Minister. Voluntary CHMPs can also be conducted.

If significant ground disturbance has already occurred within an area of cultural sensitivity then a CHMP is not required.

AAV maps of cultural sensitivity are located on the AAV website. However they must be used with caution because not all areas of sensitivity as proscribed in the Regulations are highlighted. Furthermore, areas of demonstrated high cultural sensitivity, such as escarpments are not proscribed in the Regulations. This has recently been demonstrated at Eynesbury.

The Act gives Registered Aboriginal Parties (RAPs) responsibility for protecting and maintaining Aboriginal places and objects of cultural significance within their areas, through CHMPs, advising on heritage permits and entering into heritage agreements. As of August 2007 there are no RAP applicants for the Toolern area currently on the AAV website, except in the far eastern portion.

All developers should conduct due diligence risk assessment to determine whether a compulsory CHMP is required or a voluntary CHMP is advisable. A due diligence assessment for most developments in a Greenfield site or for infrastructure outside built up areas is recommended. AAV website provides initial advice for this assessment.

Heritage Act 1995

Historic archaeological sites in Victoria are protected by the *Heritage Act 1995*. Archaeological sites contain relics which are 50 years or older. Under Section 127 it is an offence to excavate, damage or disturb relics and sites whether they are included on the Heritage Inventory or not, unless a Consent has been issued under Section 129. Under Section 64 it is an offence to damage, disturb, excavate or alter a place or object on the Heritage Register, unless a Permit is granted under Section 67. Heritage Victoria requires any person discovering or uncovering an archaeological relic to report the discovery, and if excavation is conducted, funds be made available by developers to ensure the responsible management of all significant artefacts.

Archaeological sites are protected in two ways. Sites considered to be of significance to the State are recommended for placement on the Victorian Heritage Register (VHR). The VHR exists to protect and conserve places and objects. The Heritage Inventory enables Heritage Victoria to record and monitor sites that are not considered to be of State significance or when the significance is unknown.

The two levels of protection enable two different principles to be followed in issuing consents and permits. The guiding principal for places on the Register is to protect and conserve as much of the fabric of the place and the relics/artefacts as is possible. Alternatively, for places listed in the Heritage Inventory, recording, excavating and monitoring are the usual methods of assessing and managing the heritage values of a site.

Heritage Victoria also maintains a record of sites under a 'D' listing that accommodates sites of very low archaeological value, even though they may have local historic value. 'D' listed sites are typically those that have little structural or artefactual features, such as earthen formations (i.e. dams, railway formations) or dry stonewall with low scientific significance. Sites registered under this system do not require Consent prior to any proposed development, but apart from this, are managed in the same way as Heritage Inventory sites. Therefore, 'D' sites may be subject to a variety of conditions prior to impact, such as detailed recorded, additional historic research and archaeological monitoring.

Potential Constraints & Mitigation

Potential Aboriginal and historic cultural heritage constraints on residential, industrial, social and service infrastructure developments can be identified for linear and broad acre contexts. Linear developments such as roads & pipelines generally have a reduced impact on cultural heritage values than broad acre developments such as residential developments or social infrastructure. Linear developments can often reduce impact to sites by avoiding ground surface disturbance (e.g. subsurface directional drilling) or by re-alignment. Broad acre developments usually result in the destruction of entire sites unless they can be incorporated into developments (historic sites) or retained in open space (Aboriginal sites). Impact of these developments can be summarised as follows:

	Historic Sites/Places	Aboriginal Sites/Places
Linear: Roads & Pipelines	Railway viaduct crossing Werribee River has various listings (HO8, RNE R16045, NTV B2482) Original cobbled surfaces, early roads and bridges crossing creeks, dry stonewalls along existing road reserves.	Artefact scatters within 200m of waterways and within 100m of escarpment. Scarred trees along waterways, escarpment and on plains.
Broad acre: residential & industrial developments; social and service infrastructure	Exford (H317, HO2, RNE 5490, NTV B639) Late 19 th century and early 20 th century farmhouses, outbuildings, underground tanks, cisterns & farm infrastructure.	Artefact scatters (as above) and throughout plain. Scarred trees along waterways, escarpment and on plains.

4 OPPORTUNITIES

Heritage enhances values of Precinct Structure planning requirements for open space (Objective 5) and increasing environmental sustainability (Objective 7).

Overlapping boundaries of high value areas of flora, fauna with heritage (both historic & Aboriginal), especially along waterways, should fit nicely into Precinct Structure Planning requirements for open space (Objective 5) and increasing environmental sustainability (Objective 7). In particular this will mitigate most of the high value Aboriginal sites.

Heritage adds economic values (Precinct Structure Planning Objective 6)

Heritage potentially adds economic value by providing increased heritage interest for visitors (Precinct Structure Planning Objective 6). Increased heritage interest aims to draw in additional visitors, provide additional income producing activities and keep visitors in the Shire of Melton for longer periods of time.

Heritage foci & opportunities (precincts & trails)

Highly visible & high value heritage points/places provide foci for various heritage opportunities (precincts & trails).

For example, highly visible points/places of interest provide nodes for both historic and Aboriginal themed interpretive trails. Exford & Eynesbury provide both historic and Aboriginal heritage values, points of Aboriginal occupation and early squatting. This can be used as a hook to explore contact, Aboriginal life in the distant past and historic development to the present.

Heritage links & networks: local, regional & thematic

Visitors can potentially be drawn into the Toolern area by linking heritage places and trails into local (municipal), regional (adjoining municipalities), themes (goldfields) and Melbourne networks.

Heritage enhances sense of place (Melbourne 2030 Neighborhood Principle 7)

Educating residents and visitors to value heritage and provide a deeper, more complex link to the area and promotes a strong sense of place. (Melbourne 2030 Neighborhood Principle 7).

AAV funding for cultural heritage management

There are potential funding opportunities from Aboriginal Affairs Victoria to produce detailed cultural sensitivity maps for the area and Shire generally. This will expedite planning decisions by council and increase certainty for developers/infrastructure providers.

Required overlays for strategic planning requirements

Aboriginal

- Sites (access to be restricted)
- Areas of Cultural Sensitivity (Open access – trigger for CHMPs/due diligence assessment if in an area of significant ground disturbance)

Historic

- Heritage Overlay based on existing listings and recommendations in SMHS (Trigger for cultural heritage assessments)
- Shire of Melton Planning Scheme Heritage Overlay

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- Nicolson, O E 1999 An Archaeological Desktop Assessment of the Proposed Toolern Parks Development, Melton, Victoria. A report by Biosis Research Pty Ltd to Maunsell McIntyre Pty Ltd.

Paynter, N	2006a	An Archaeological Assessment for a Proposed Residential Development 'Acadia Estate' Rees Road, Melton South. A report by Heritage Insight Pty Ltd to Bonacci Group Pty Ltd on behalf of Milemaker Petroleum and
Paynter, N	2006b	Archaeological Subsurface Testing 'Acacia Estate' Rees Road, Melton South. A report by Heritage Insight Pty Ltd to Bonacci Group Pty Ltd on behalf of Milemaker Petroleum.
SMHS	2007	Shire of Melton Heritage Study: Stage 2. 5 Volumes. A report by David Moloney, David Rowe, Pamela Jelli & Sera Jane Peters to the Shire of Melton.
Webb, C & Marshall, B	1995	An Archaeological Survey at Mount Cottrell Road, Melton. A report by Austral Heritage Consultants to A J Bush & Sons Pty Ltd.

APPENDIX 1: STATUTORY REQUIREMENTS

The *Aboriginal Heritage Act 2006* commenced operation on 28 May, 2007. The following summary is from the *Aboriginal Heritage Regulations 2007* Regulatory Impact Statement (ACG 2007: 2-3):

In 2006 the Victorian Government passed the Cultural Heritage Act 2006, to provide more effective protection of Aboriginal cultural heritage and broaden Aboriginal community involvement in decision-making arrangements.

The Aboriginal Heritage Act 2006:

- Replaces outdated State and Federal legislation governing the protection and management of Aboriginal cultural heritage in Victoria;
- Ensures that the protection of Aboriginal cultural heritage is an integral part of planning and land development processes;
- Provides increased certainty for developers and land managers in relation to the types of developments that require cultural heritage management plans;
- Establishes an Aboriginal Heritage Council, comprised of traditional owners, to provide a state wide voice for Aboriginal people in the management of cultural heritage. The council will register Aboriginal parties as cultural heritage decision makers for areas in Victoria, and advise the Minister for Aboriginal Affairs in relation to the protection of Aboriginal cultural heritage;
- Gives Registered Aboriginal Parties responsibility for protecting and maintaining Aboriginal places and objects of cultural heritage significance within their areas, through providing cultural heritage management plans, advising on heritage permits, entering into heritage agreements and negotiating the repatriation of Aboriginal human remains;
- Provides dispute resolution and review mechanisms through mediation and the Victorian Civil and Administrative Tribunal;
- Provides a range of measures to improve compliance with, and enforcement of, the legislation, including cultural heritage audits, stop orders, modernized offences and penalties, and increased responsibility and accountability for inspectors;
- Retains the power of the Minister for Aboriginal Affairs to make interim and ongoing protection declarations over significant Aboriginal places or objects;
- Broadens Aboriginal community involvement in heritage protection to include traditional owners.

Further information regarding the Act can be obtained from the AAV website at:

<http://www1.dvc.vic.gov.au/aaav/>

6.2 Aboriginal Heritage Regulations

The *Aboriginal Heritage Regulations 2007* have been developed to support the operation of the *Aboriginal Heritage Act 2006*. They provide further information on aspects of the Act, clarifying roles and expected standards that are required under the Act to (ACG 2007: 4):

- Maximise certainty about when and how to prepare a cultural heritage management plan, thereby better protecting Aboriginal cultural heritage and reducing delays to development;
- Ensure that fair payment is made for the evaluation of a cultural heritage management plan and that Government receives appropriate payment for assessing applications for permits and advice on the Register.

The proposed regulations also specify (ACG 2007: 3):

- The circumstances in which a cultural heritage management plan is required;
- The standards for the preparation of a cultural heritage management plan and for a map in a cultural heritage agreement;
- Fees for evaluating a cultural heritage management plan;
- Fees for an application for a cultural heritage permit;
- Fees for an application to the Secretary for advice as to whether a record exists on the Register in relation to a nominated area of land.

Further information regarding the Regulations can be obtained from the AAV website at:

<http://www1.dvc.vic.gov.au/aav/>

In summary, all Aboriginal cultural heritage is protected under the *Aboriginal Heritage Act 2006*.

Part 4, Division 2 of the *Aboriginal Heritage Act 2006* states that certain activities will require a Cultural Heritage Management Plan (CHMP) to be prepared. A CHMP is required for an activity if all or part of the activity area is deemed as culturally sensitive and that the activity is high impact. High impact activities are described in the *Aboriginal Heritage Regulations 2007* Part 2, Division 5 and include utility installations.

Alternatively, the proponent may prepare a voluntary CHMP. A voluntary CHMP can avoid delays if any Cultural Heritage Permits (CHPs) are required over the course of development works.

CHPs are required if an activity will harm, or is likely to harm, Aboriginal cultural heritage and can be applied for from the Department for Victorian Communities. This process can take over 30 days to process.

Historic archaeological sites in Victoria are protected by the *Heritage Act 1995*. The following is a summary of the latest statutory obligations regarding non-Aboriginal historic archaeological sites:

- 1 All historical archaeological sites in Victoria (not included on the Heritage Register) are protected under Section 127 of the *Heritage Act 1995*. Under this section it is an offence to excavate, damage or disturb relics and sites whether they are included on the Heritage Inventory or not, unless a Consent has been issued under Section 129.
- 2 Under Section 64 of the *Heritage Act 1995*, it is an offence to damage, disturb, excavate or alter a place or object on the Heritage Register, unless a Permit is granted under Section 67.
- 3 Under Section 132 of the *Heritage Act 1995*, any person discovering or uncovering an archaeological relic is required to report the discovery to the Executive Director of the Heritage Council.
- 4 Schedule 5 of the Heritage (General) Regulations 2005 prescribes fees to undertake specified activities with respect to archaeological relics. These are currently \$225.00 for Consent to uncover or excavate a relic; \$420.00 for Consent to damage or disturb less than 50% of a relic or site \$635.00 for Consent to damage or disturb more than 50% of a relic or site. Fees for permits to carry out works etc to a registered place or object are detailed in Schedule 3 of the Regulations. These fees range in scale from \$100.00 to \$7,160.00, depending on the nature of the works involved and the cost of the proposed works.

In addition, Heritage Victoria requires that funds be made available by developers to ensure the responsible management of all significant artefacts that are recovered during an excavation. As a condition on any consent or permit, there will be a requirement that a specified sum of money is submitted to Heritage Victoria prior to the commencement of works. The funds will be used to ensure the cataloguing and conservation of any significant artefacts that are recovered. Any unexpended funds will be returned to the client, minus a 15% levy that is used for the management of all excavation projects in Victoria.

Written application to disturb such sites should be lodged as early as possible in the planning stages of any works program, and must be directed to:

Mr. Ray Tonkin
The Director
Heritage Victoria
Department of Sustainability and Environment
Level 7/8 Nicholson Street
East Melbourne
Victoria 3002

Ph: (03) 9637 9476

Enquires relating to the Heritage Act, works, site management etc should be directed to:

Jeremy Smith
Senior Archaeologist
Heritage Victoria
Department of Sustainability and Environment
Level 7/8 Nicholson Street
East Melbourne
Victoria 3002

Ph: (03) 9637 9773

General enquires relating to sites, the Heritage Inventory/Register, reports, permits or consents, including application procedures and fees should be directed to:

Liz Kilpatrick
Heritage Victoria
Department of Sustainability and Environment
Level 7/8 Nicholson Street
East Melbourne
Victoria 3002
Ph: (03) 9637 9285

Heritage Victoria has also recently requested that the following statements relating to sites listed on the Heritage Inventory be included within consultant's reports.

All archaeological sites in Victoria are protected by the *Heritage Act 1995*. All known archaeological sites are listed in the Heritage Inventory. Regardless of whether or not they are listed in the Inventory, no one can knowingly excavate or disturb an archaeological site without the consent of the Executive Director.

Prior to the *Heritage Act 1995*, sites were protected under the *Archaeological and Aboriginal Relics Preservation Act 1972*. Thus, since 1972 there has been protection in Victoria for archaeological sites. The protection was not about the preservation and conservation of all sites. Under the AARP there was provision for archaeological areas to be declared an archaeological area that was intended to protect and conserve an archaeological site (S15). Activities for the remainder of archaeological sites were controlled through the requirement to gain a permit (S22).

With the advent of the *Heritage Act 1995*, archaeological sites continue to be protected in two ways. Sites considered to be of significance to the State are recommended for placement on the Victorian Heritage Register (VHR). The VHR exists to protect and conserve places and objects. All other archaeological sites are protected through the requirement to gain Consent from the Executive Director to disturb, destroy, or excavate an archaeological site.

Thus, the Victorian Heritage Register enables Heritage Victoria to preserve and conserve archaeological sites that are of significance to the State of Victoria. On the

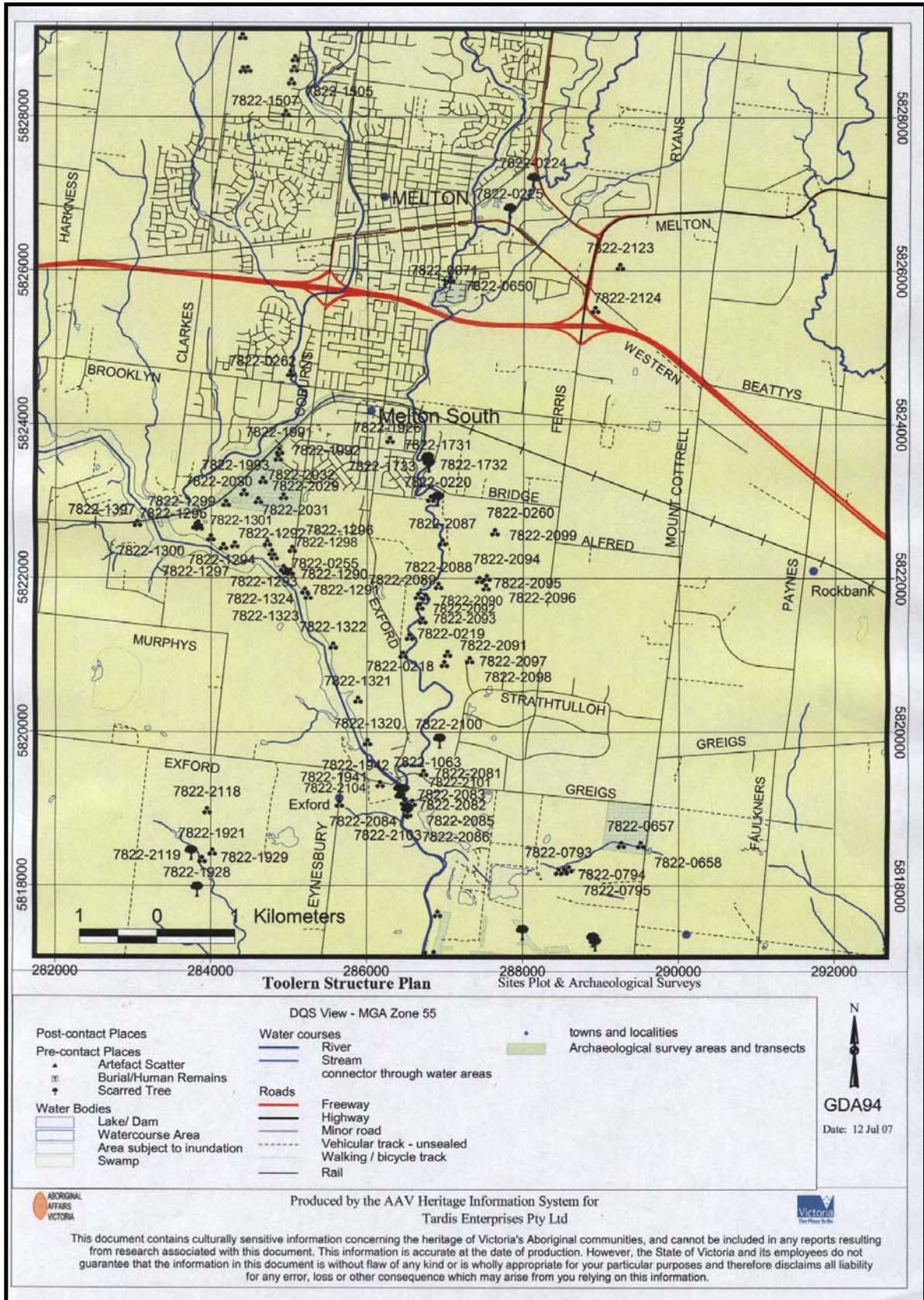
other hand, the Heritage Inventory enables Heritage Victoria to record and monitor sites that are not considered to be of State significance or when the significance is unknown.

The two levels of protection enable two different principles to be followed in issuing consents and permits. The guiding principal for places on the Register is to protect and conserve as much of the fabric of the place and the relics/artefacts as is possible. Alternatively, for places listed in the Heritage Inventory, recording, excavating and monitoring are the usual methods of assessing and managing the heritage values of a site.

Heritage Victoria also maintains a record of sites under a 'D' listing that accommodates sites of very low archaeological value, even though they may have local historic value. 'D' listed sites are typically those that have little structural or artefactual features, such as earthen formations (i.e. dams, railway formations). Sites registered under this system do not require Consent prior to any proposed development, but apart from this, are managed in the same way as Heritage Inventory sites. Therefore, 'D' sites may be subject to a variety of conditions prior to impact, such as detailed recorded, additional historic research and archaeological monitoring.

APPENDIX 2 ABORIGINAL SITES

Sites & Surveys on the Aboriginal Affairs Victoria Site Registry



Registered Aboriginal Sites within or near the Study Area

Site Name AAV No Ref/Recorder	Site Type	Co-ordinates Location Landform	Site Size Contents Condition/Disturbance	Scientific Significance
Exford Rd 2 7822-0219 du Cros 1989	Surface Artefact Scatter	286540E 5821240N West lowland plain of Toolern Creek, north of Grieg's Rd & east of Exford Rd	1.5 x 1.5m Silcrete, quartz & quartzite artefacts Good	Not stated
Bridge Rd 7822-0220 du Cros 1989	Scarred Tree	286787E 5822845N West bank Toolern Creek near Bridge Road	Single scar 135 x 40cm on gum tree Poor condition	Low
Rees Rd 7822-0255 du Cros 1989	Shell Deposit	285010E 5822080N End of Rees Rd at Melton Reservoir Plain	Freshwater mussel	Not stated
Bridge Rd 2 7822-0260 du Cros 1989	Surface Artefact Scatter	286810E 5823030N West bank Toolern Creek near Bridge Road?	1 x 1m 1 silcrete flake Not stated	Low
Melton Christian School 7822-0262 du Cros 1989	Surface Artefact Scatter	285010E 5824660N Coburn Rd Melton Plain?	1 x 1m 1 silcrete artefact Condition unknown	Not stated
RR-1 7822-1290 Rhodes 2001	Surface Artefact Scatter	284960E 5822090N End of Rees Rd Top of escarpment	5 x 3m Quartz & silcrete artefacts Very poor condition	Not stated
RR-2 7822-1291 Rhodes 2001	Surface Artefact Scatter	284930E 5822130N End of Rees Rd Top of escarpment	1 x 1m 1 silcrete core Erosion, rabbit & grazing disturbance	Not stated
RR-3 7822-1292 Rhodes 2001	Surface Artefact Scatter	284780E 5822340N West of Rees Rd along top of Werribee River escarpment	1 x 1m 1 silcrete flake Erosion, rabbit & grazing disturbance	Not stated
RR-4 7822-1293 Rhodes 2001	Surface Artefact Scatter	284810E 5822280N West of Rees Rd along top of Werribee River escarpment	5 x 5m Silcrete & quartzite artefacts Very poor	Not stated
RR-5 7822-1294 Rhodes 2001	Surface Artefact Scatter	284720E 5822460N West of Rees Rd along top of Werribee River escarpment	1 x 1m 1 silcrete flake? Erosion, rabbit & grazing disturbance	Not stated
RR-6 7822-1295 Rhodes 2001	Surface Artefact Scatter	284300E 5822440N West of Rees Rd along top of Werribee River escarpment	1 x 1m 1 quartzite flake Erosion, rabbit & grazing disturbance	Not stated
RR-7 7822-1296 Rhodes 2001	Surface Artefact Scatter	285040E 5822380N West of Rees Rd 110m north of Werribee River escarpment on plain	1 x 1m? 3 silcrete artefacts Condition unknown	Not stated
RR-8 7822-1297 Rhodes 2001	Surface Artefact Scatter	284160E 5822420N Rees Rd along Werribee River escarpment east section of property	1 x 1m? 3 stone artefacts: 2 silcrete flakes & 1 quartzite flake Grazed	Not stated

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RR-9 7822-1298 Rhodes 2001	Surface Artefact Scatter	283990E 5822530N 300m of farm track the length of the escarpment between Rees Rd & railway	325 x 75m <1 per m ² artefact density: flakes, cores, 2 microliths; silcrete, flint & quartzite Disturbance by ploughing & rabbits	Not stated
RR-10 7822-1299 Rhodes 2001	Surface Artefact Scatter	283840E 5822670N West of Rees Rd toward railway line bridge on plain	1 x 1m 1 quartzite scraper Disturbance by ploughing	Not stated
RR-11 7822-1300 Rhodes 2001	Surface Artefact Scatter	283800E 5822680N West of Rees Rd toward railway line bridge on farm track on plain	1 x 1m 1 silcrete core Ploughed, redeposited	Not stated
RR-12 7822-1301 Rhodes 2001	Surface Artefact Scatter	283830E 5822710N West of Rees Rd toward railway line bridge on farm track on plain	1 x 1m 1 quartzite flake Ploughed, redeposited	Not stated
Exford Estate 4 7822-1323 Rhodes 2001?	Surface Artefact Scatter	285200E 5821840N South of Rees Rd above Melton Reservoir along escarpment	1 x 1m 1 silcrete flake Condition not stated	Not stated
Exford Estate 5 7822-01324 Rhodes 2001?	Surface Artefact Scatter	285240E 5821770N South of Rees Rd above Melton Reservoir along escarpment	300 x 7m 13 silcrete artefacts: 4 cores & 9 flakes Fair: ploughed	Not stated
Toolern Creek Scar Tree 1 7822-1731 Not stated likely Costello 2004	Scarred Tree	286770E 5823550N East bank Toolern Creek north of Bridge Road	2 scars 45 x 25cm & 120 x 25cm on dead red? gum Not stated	Not stated
Toolern Creek Scar Tree 2 7822-1732 Costello 2004	Scarred Tree	286770E 5823520N East bank Toolern Creek north of Bridge Road	Single scar 220 x 70cm on red gum Good condition	Not stated
Toolern Creek Scar Stump 7822-1733 Costello 2004	Scarred Tree	286790E 5823470N East bank Toolern Creek north of Bridge Road	Single scar 40 x 70cm on red gum stump Dead	Not stated
Melton Sth Primary School Car Park 1 7822-1926 Hyett 2006	Surface Artefact Scatter	286290E 5823800N Melton Sth Car Park Plain	1 x 1m 1 conglomerate hammerstone Very poor	Low
Acadia Estate 1 7822-1991 Paynter 2006a	Surface Artefact Scatter	284870E 5823653N 30m east of Melbourne- Ballarat Railway & west of Cromwell Dr Plain	40 x 10m 6 stone artefacts: 3 silcrete flakes & 3 quartz angular fragments Fair	Low-moderate
Acadia Estate 2 7822-1992 Paynter 2006a	Surface Artefact Scatter	284854E 5823567N 150m east of Melbourne-Ballarat Railway & west of Cromwell Dr Plain	10 x 10m 2 stone artefacts: 1 quartz flake & 1 silcrete side scraper Fair	Low-moderate
Acadia Estate 3 7822-1993 Paynter 2006a	Surface Artefact Scatter	284658E 5823276N 400m west of Rees Rd Plain	1 x 1m 1 silcrete core Fair	Low-moderate

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Acadia Estate 4 7822-2029 Paynter 2006b	Surface Artefact Scatter	284415E 5823117N East of Melbourne- Ballarat Railway, west of Rees Rd & 800m nth of Melton Res. Plain	1 x 1m 1 silcrete flake Poor	Low-moderate
Acadia Estate 5 7822-2030 Paynter 2006b	Surface & Subsurface Artefact Scatter	284187E 5822975N 200m east of Melbourne-Ballarat Railway, 800m west of Rees Rd & 600m nth of Melton Res. Stony rise on plain	40 x 20m x 20cm (depth) 9 stone artefacts: 8 complete & broken flakes, 1 core (6 quartz & 3 silcrete) Fair	Low-moderate
Acadia Estate 6 7822-2031 Paynter 2006b	Surface Artefact Scatter	284599E 5823011N 400 east of Melbourne- Ballarat Railway, 600m west of Rees Rd & 700m nth of Melton Res. Plain	10 x 5m 2 stone artefacts: 1 silcrete flake, 1 quartzite flake core Poor	Low-moderate
Acadia Estate 7 7822-2032 Paynter 2006b	Surface Artefact Scatter	284923E 5823064N 800m east of Melbourne-Ballarat Railway, 300m west of Rees Rd & 300m nth of Melton Res. Plain	5 x 5m 2 stone artefacts: 1 quartz flake & 1 quartzite core Poor	Low-moderate
Werribee Willows 1 7822-2081 Murphy & Porter 2007	Scarred Tree & Surface Artefact Scatter	286420E 5819230N West bank of Werribee River 100m sth of Grieg's Rd	10 x 10m 5 toe holds & 1 quartzite scraper Good	Moderate
Werribee Willows 2 7822-2082 Murphy & Porter 2007	Surface Artefact Scatter	286482E 5819190N 200m south of Grieg's Rd on west terrace of Werribee River	20 x 20m 7 stone artefacts: 6 flakes & 1 angular fragment (2 silcrete, 4 quartzite & 1 quartz) Fair	Low
Werribee Willows 3 7822-2083 Murphy & Porter 2007	Surface Artefact Scatter	286416E 5819190N West bank of Werribee River 70m south of Grieg's Rd	5 x 5m 1 silcrete flake & 1 quartzite grinding stone Fair: rabbits & stock trampling	Low
Werribee Willows 4 7822-2084	Scarred Tree	286469E 5819225N East bank of Werribee River 100m sth of Grieg's Rd	Single scar 300 x 60cm on dead red gum Very poor	Low
Werribee Willows 5 7822-2085 Murphy & Porter 2007	Surface Artefact Scatter	East of Werribee River, 220m south of Grieg's Rd on 2 nd terrace at base of escarpment	80 x 30m 7 stone artefacts: 5 flakes & 2 tools (2 silcrete, 4 quartzite & 1 quartz) Fair: erosion & rabbits	Moderate
Werribee Willows 6 7822-02086 Murphy & Porter 2007	Surface Artefact Scatter	286526E 5818936N? East of Werribee River 300m south of Grieg's Rd, on bank between river & escarpment	Size? 3 stone artefacts: 2 flakes & 1 blade (2 quartzite & 1 quartz) Good	Moderate

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Toolern Creek 1 7822-2087 Light 2007	Surface Artefact Scatter	286964E 5822467N 700m sth of Bridge Rd 20m east of Toolern Creek Top of escarpment	1 x 1m 2 quartz flakes Fair	Moderate
Toolern Creek 2 7822-2088 Light 2007	Surface Artefact Scatter	286802E 5821716N 20m east of Toolern Creek 1400m south of Bridge Rd Midway up escarpment	1 x 1m 1 silcrete flake Fair	Moderate
Toolern Creek 3 7822-2089 Light 2007	Surface Artefact Scatter	286674E 5821630N 10m east of Toolern Creek 1450m south of Bridge Rd? on vehicle track Midway up escarpment	1 x 1m 1 quartz flake Poor	Moderate
Toolern Creek 4 7822-2090 Light 2007	Surface Artefact Scatter	286750E 5821756N 20m east of Toolern Creek 1450m south of Bridge Rd? Base of escarpment	1 x 1m? 3 stone artefacts: 2 silcrete flakes & 1 quartz flake Poor	Low
Toolern Creek 5 7822-2091 Light 2007	Surface Artefact Scatter	286990E 5820883N 2.1km south of Bridge Rd & 400m east of Toolern Creek Plain	90 x 5m 14 stone artefacts: 13 flakes & 1 core (4 silcrete, 5 quartzite & 5 quartz) Poor	Moderate
Toolern Creek 6 7822-2092 Light 2007	Surface Artefact Scatter	286655E 5821768N 60m west of Toolern Creek 1450m south of Bridge Rd Rise on plain	40 x 5m 10 stone artefacts: 9 flakes & 1 core (3 silcrete, 1 quartzite & 6 quartz) Poor	Low
Toolern Creek 7 7822-2093 Light 2007	Surface Artefact Scatter	286850E 5822910N 286839E 58196455N 50-200m east of Toolern Creek south of Bridge Rd Plains	3.2km north-south 5-90m east- west 198 stone artefacts: 134 flakes, 17 tools, 24 cores & 23 angular fragments (91 silcrete, 58 quartz & 49 quartzite) Fair	High
Toolern Creek 8 7822-2094 Light 2007	Surface Artefact Scatter	287532E 5822006N 600m east of Toolern Creek & 1km south of Bridge Rd Flat plain	15 x 5m 3 stone artefacts: 2 quartzite flakes & 1 quartz flake Fair	Low
Toolern Creek 9 7822-2095 Light 2007	Surface Artefact Scatter	287437E 5821979N 500m east of Toolern Creek & 1km south of Bridge Rd Flat plain	1 x 1m 1 quartz core Fair	Low
Toolern Creek 10 7822-2096 Light 2007	Surface Artefact Scatter	287523E 5821883N 700m east of Toolern Creek & 1km south of Bridge Rd Flat plain	1 x 1m 2 quartz tools Fair	Low
Toolern Creek 11 7822-2097 Light 2007	Surface Artefact Scatter	287032E 5821019N 220m east of Toolern Creek & 2.2km south of Bridge Rd Flat plain	200 x 150m 19 quartz artefacts: 12 flakes, 6 cores & 1 tool Poor	Moderate

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Toolern Creek 12 7822-2098 Light 2007	Surface Artefact Scatter	287315E 5820935N 750m east of Toolern Creek & 2.2km south of Bridge Rd Flat plain	120 x 40m 8 stone artefacts: 7 flakes & 1 tool (7 quartz & 1 quartzite) Poor	Low
Toolern Creek 13 7822-2099 Light 2007	Surface Artefact Scatter	287634E 5822601N 700m east of Toolern Creek & 300m south of Bridge Rd Flat plain	20 x 5m 2 quartz flakes Poor	Low
Toolern Creek 14 7822-2100 Light 2007	Scarred Tree	286928E 5819882N 3.6km sth of Bridge Rd, 150m east of Toolern Creek Base of escarpment	Single scar 90 x 30cm on dead red gum	Moderate
Werribee Willows 7 7822-2101 Murphy & Porter 2007	Surface Artefact Scatter	286453E 5819268N 75m sth of Grieg's Rd, east of Werribee River, west of Toolern Ck Floodplain	1 x 1m 1 silcrete blade Good	Moderate
Werribee Willows 8 7822-2103 Murphy & Porter 2007	Scarred Tree	286517E 5818964N 400m south of Grieg's Rd, east of Werribee River on terrace	Single scar 100 x ? Good	Low
Werribee Willows 9 7822-2104 Porter 2007?	Scarred Tree	286420E 5819230N 100m sth of Grieg's Rd, west bank of Werribee River, Levee bank	5 toe hole scars on red gum Good	Not stated
MK2 7822-2124 Barker 2007	Surface Artefact Scatter	288920E 5825490N Northeast of intersection High St & Melton-Keilor Rd Plain	100 x 50m 3 stone artefacts: 2 silcrete flakes & 1 quartzite flake	Not stated