

## ABBREVIATIONS AND ACRONYMS

<b>ABS</b>	Australian Bureau of Statistics
<b>BP</b>	years before present time
<b>CAR</b>	Comprehensive, Adequate and Representative
<b>CRG</b>	Community Reference Group for VEAC's Metropolitan Melbourne Investigation
<b>CSIRO</b>	Commonwealth Scientific and Industrial Research Organisation
<b>DEECD</b>	Department of Education and Early Childhood Development, Victoria
<b>DPCD</b>	Department of Planning and Community Development, Victoria
<b>DSE</b>	Department of Sustainability and Environment, Victoria
<b>DTF</b>	Department of Treasury and Finance, Victoria
<b>ECC</b>	Environment Conservation Council, Victoria
<b>EVC</b>	Ecological Vegetation Class
<b>FFG</b>	Flora and Fauna Guarantee
<b>GIS</b>	Geographic Information System
<b>GL</b>	Gigalitre (1 billion litres)
<b>GMZ</b>	General Management Zone in state forest
<b>ha</b>	Hectare (1 ha = 2.47 acres; 100 ha = 1 square kilometre)
<b>IBRA</b>	Interim Biogeographic Regionalisation for Australia
<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>IUCN</b>	World Conservation Union, previously known as the International Union for the Conservation of Nature and Natural Resources
<b>JANIS</b>	Joint ANZECC / MCFFA National Forest Policy Statement Implementation Sub-committee
<b>LCC</b>	Land Conservation Council, Victoria
<b>Ma</b>	millions of years
<b>ML</b>	Megalitre (1 million litres)
<b>MMBW</b>	Melbourne and Metropolitan Board of Works
<b>NRS</b>	National Reserve System
<b>PAO</b>	Public Acquisition Overlays
<b>SMZ</b>	Special Management Zone in state forest
<b>SPZ</b>	Special Protection Zone in state forest
<b>TFN</b>	Trust for Nature
<b>VEAC</b>	Victorian Environmental Assessment Council
<b>VHR</b>	Victorian Heritage Register
<b>VPP</b>	Victoria Planning Provisions
<b>UGB</b>	Urban Growth Boundary
<b>WTP</b>	Western Treatment Plant

## GLOSSARY

### Bioregion

Large, geographically distinct areas of land characterised by landscape-scale natural features and environmental processes that influence the function of entire ecosystems. Bioregions are delineated by physical characteristics such as geology, landforms and climate.

### CAR reserve system

A system of forest reserves established by agreement between commonwealth, state and territory governments to provide for biodiversity protection. The system is based on the principles of comprehensiveness, adequacy and representativeness.

### Climate change

Climate change in IPCC usage refers to a change in the state of the climate that can be identified (e.g. using statistical tests) by changes in the mean and/or the variability of its properties, and that persists for an extended period, typically decades or longer. It refers to any change in climate over time, whether due to natural variability or as a result of human activity.

### Connectivity

#### *Structural connectivity*

The physical relationship between different types of landscape elements such as habitat patches and corridors.

#### *Functional or ecological connectivity*

The degree to which landscapes aid or impede the movement of individuals, species or ecological processes, and their behavioural response to this structure.

### Conservation reserve system

See "protected areas system".

### Crown land

Crown land means land held by the State of Victoria, that has not been made freehold by the issue of land titles. It includes unreserved land, land temporarily and permanently reserved under the *Crown land (Reserves) Act 1978*, state forest under the *Forests Act 1958* and park under the *National Parks Act 1975*. It is managed by the government for the benefit of the Victorian community. Crown land does not include freehold land owned by a public authority, or private freehold land.

### Declared water supply catchment

Under the *Catchment and Land Protection Act 1994*, water catchments can be declared as 'special water supply catchment areas' to identify areas for water supply. 'Special area plans' can be prepared for such areas to guide land use.

### Ecological Vegetation Class (EVC)

A type of native vegetation classification that is described through a combination of floristic, life form and ecological characteristics.

## Ecosystem

A system functioning together as a unit that includes all living organisms, the physical components of the environment and their relationships.

## Forest management area plan

A plan developed to address the full range of values and uses in state forest, including nature conservation and timber production.

## Geographic information system (GIS)

A system which holds spatially referenced data which can be classified, overlaid, analysed and presented in map, tabular or graphic form.

## General Management Zone (GMZ)

State forest area managed for the broad range of forest values available in the area.

## Heritage River

Rivers or reaches of rivers designated under the *Heritage Rivers Act 1992*, and managed primarily to protect their significant nature conservation, recreation, scenic or cultural heritage values.

## JANIS criteria

Criteria set by the Joint ANZECC/MCFFA National Forest Policy Statement Implementation Sub-committee for the establishment of the CAR system of forest reserves.

## Protected areas system

A public land network set aside primarily for biodiversity protection. To be considered a protected area, public land must be securely set aside and managed primarily for biodiversity conservation such as in parks under the *National Parks Act 1975* and permanent nature conservation reserves.

Public land within the protected areas system include national, state and some other parks under the *National Parks Act*, marine national parks and sanctuaries, nature conservation reserves, and certain natural features reserves (streamside areas, bushland areas, scenic areas, wildlife areas without hunting).

## Public land

Under the *Victorian Environmental Assessment Council Act 2001*, public land refers to any unalienated Crown land, including land temporarily or permanently reserved under the *Crown Land (Reserves) Act 1978*; state forest within the meaning of the *Forests Act 1958*; park, within the meaning of the *National Parks Act 1975*; land vested in any public authority, other than (i) a municipal council; or (ii) an authority under the *Water Act 1989*, to the extent that the land vested in the authority is within a sewerage district."

## Public land use categories

A classification of public lands into major land use categories such as national and state parks, nature conservation reserves, state forest, community use areas and services and utilities areas. Each land use category specifies the primary land use objectives, and appropriate uses of the land. Land within each category is generally subject to particular legislation and management arrangements.

## Regional Forest Agreement

An agreement between the commonwealth and a state or territory government, for the long-term management and use of forests in a particular region.

## Special Management Zone (SMZ)

Delineates an area that is managed to maintain specified values, such as flora and fauna habitat or catchment values, while catering for timber production under certain conditions.

## Special Protection Zone (SPZ)

Delineates an area that is managed for the conservation of natural or cultural values and where timber harvesting is excluded. It forms part of a network designed to link and complement conservation reserves.

## Threatened species

Threatened species is a generic term for a plant or animal generally considered as vulnerable or endangered under various threatened species conservation laws. It is used to indicate that there is some level of threat as to the species viability in the wild.

## Urban Growth Boundary (UGB)

The Urban Growth Boundary is a planning tool implemented by the Victorian Government to manage the growth of metropolitan Melbourne. It contains urban development within a legislated urban growth boundary.

## Wetlands

Areas featuring permanent or temporary shallow open water including billabongs, marshes, swamps and lakes.

## Wildlife corridor

Components of the landscape that facilitate the movement of a given species between areas of intact habitat.

## World Conservation Union (IUCN)

The World Conservation Union (formerly the International Union for Conservation of Nature) is the world's largest conservation-related organisation. It supports the conservation of natural heritage – for instance, the work of the IUCN World Commission on Protected Areas aims to promote the establishment and effective management of a worldwide, representative network of terrestrial and marine

## REFERENCES

- <sup>1</sup> Department of Infrastructure (2002) *Melbourne 2030. Planning for sustainable growth*. State of Victoria, Melbourne.
- <sup>2</sup> State of Victoria (2010) *State Government response to Bushfires Royal Commission report*. State of Victoria. Available at: [http://www.justice.vic.gov.au/wps/wcm/connect/DOJ+Internet/Home/Community+Safety/Fire+Safety/JUSTICE++State+Government+Response+to+Bushfires+Royal+Commission+Report++\(PDF\)](http://www.justice.vic.gov.au/wps/wcm/connect/DOJ+Internet/Home/Community+Safety/Fire+Safety/JUSTICE++State+Government+Response+to+Bushfires+Royal+Commission+Report++(PDF)).
- <sup>3</sup> McCaughey Centre Melbourne University; NiCHE Research Group Deakin University; and The Centre for Design RMIT University (2009) *The contribution of public land to Melbourne's liveability*. Available at: [http://www.veac.vic.gov.au/reports/0909\\_liveability\\_lowres.pdf](http://www.veac.vic.gov.au/reports/0909_liveability_lowres.pdf).
- <sup>4</sup> Department of Planning and Community Development (2009) *Demographic characteristics of communities within the Metropolitan Melbourne Investigation Area*. Available at: <http://www.veac.vic.gov.au/reports/VEAC%20demographics%20report%20Final%2014.7.09.pdf>.
- <sup>5</sup> Australian Research Centre for Urban Ecology (2009) *Biodiversity of Metropolitan Melbourne*. Royal Botanic Gardens, Melbourne. Available at: [http://www.veac.vic.gov.au/reports/0909\\_liveability\\_lowres.pdf](http://www.veac.vic.gov.au/reports/0909_liveability_lowres.pdf).
- <sup>6</sup> White, S. (2009) *Sites of geological and geomorphological significance on public land*. Available at: [http://www.veac.vic.gov.au/reports/VEAC\\_MetroMelb\\_GeolGeom\\_Final\\_Report09.pdf](http://www.veac.vic.gov.au/reports/VEAC_MetroMelb_GeolGeom_Final_Report09.pdf).
- <sup>7</sup> Canning, S. and Thiele, F. (2010) *Indigenous cultural heritage and history within the Metropolitan Melbourne Investigation Area*. Available at: <http://www.veac.vic.gov.au/reports/Indigenous%20Cultural%20Heritage%20and%20History%20within%20the%20VEAC%20Melbourne%20Metropolitan%20Investigation%20Area.pdf>.
- <sup>8</sup> Department of Sustainability and Environment (2009) *Non-Indigenous cultural heritage and historic places on public land in VEAC's Metropolitan Melbourne Investigation Area*. Available at: <http://www.veac.vic.gov.au/reports/MMI%20DSE-%20Historic%20Cultural%20heritage%20report%20-FINAL.pdf>.
- <sup>9</sup> United Nations Educational Scientific and Cultural Organization (1971) *Ramsar convention on wetlands of international importance*. Adopted Ramsar, Iran, 2 February 1971. Available at: [www.ramsar.org](http://www.ramsar.org).
- <sup>10</sup> National Reserve System Task Group (2009) *Australia's strategy for the National Reserve System, 2009-2030*. Natural Resources Policy and Program Committee, Canberra.
- <sup>11</sup> State of Victoria (2008) *Planning for all of Melbourne, The Victorian Government response to Melbourne 2030 audit*. State of Victoria, Melbourne.
- <sup>12</sup> Department of Planning and Community Development (2009) *Melbourne 2030: A planning update. Melbourne @ 5 million*. State of Victoria, Melbourne.
- <sup>13</sup> Parks Victoria (2002) *Linking people and spaces: a strategy for Melbourne's open space network*. Parks Victoria, Melbourne.
- <sup>14</sup> Department of Sustainability and Environment (2009) *Securing our natural future. A white paper for land and biodiversity at a time of climate change*. State of Victoria, Melbourne.
- <sup>15</sup> Department of Sustainability and Environment (2010) *Biodiversity is everybody's business. Victoria's biodiversity strategy 2010 - 2015. Consultation draft*. State of Victoria, Melbourne.
- <sup>16</sup> Department of Natural Resources and Environment (2002) *Victoria's Native Vegetation management. A framework for action*. State of Victoria, Melbourne.
- <sup>17</sup> Port Phillip and Westernport Catchment Management Authority (2004) *Port Phillip and Westernport regional catchment strategy 2004-2009*. Port Phillip and Westernport Catchment Management Authority, Melbourne.
- <sup>18</sup> Port Phillip and Westernport Catchment Management Authority (2006) *Port Phillip and Western Port Native Vegetation plan*. Port Phillip and Westernport Catchment Management Authority, Melbourne.
- <sup>19</sup> Department of Premier and Cabinet (2010) *Taking action for Victoria's future. Victorian climate change white paper - the action plan*. July 2010. State of Victoria, Melbourne.
- <sup>20</sup> Department of Infrastructure Government Land Monitor (2000) *Policy and instructions for the purchase, compulsory acquisition and sale of land*. State of Victoria, Melbourne.
- <sup>21</sup> Joyce, B. (1992) *Geomorphology of the Melbourne region. In: Engineering Geology of Melbourne: proceedings of the Seminar on Engineering Geology of Melbourne, Melbourne, Victoria, Australia, 16 September 1992*. W. A. Peck, J. L. Neilson, R. J. Olds and K. D. Seddon (Eds.) Taylor & Francis, 1st Edition.
- <sup>22</sup> Vandenberg, A. H. M., William, C. E., Maher, S., Simons, B. A., Cayley, R. A., Taylor, D. H., Morand, V. J., Moore, D. H. and Radojkovic, A. (2000) *The Tasman fold belt system - geology and mineralisation of proterozoic to carboniferous rocks*. Geological Survey of Victoria, Department of Natural Resources and Environment, Melbourne.
- <sup>23</sup> Gradstein, F. M., Ogg, J. G., Smith, A. G., Agterberg, F. P., Bleeker, W., Cooper, R. A., Davydov, V., Gibbard, P., Hinnov, L. A., House, M. R., Lourens, L., Luterbacher, H. P., McArthur, J., Melchin, M. J., Robb, L. J., Shergold, J., Villeneuve, M., Wardlaw, B. R., Ali, J., Brinkhuis, H., Hilgen, F. J., Hooker, J., Howarth, R. J., Knoll, A. H., Laskar, J., Monechi, S., Plumb, K. A., Powell, J., Raffi, I., Röhl, U., Sadler, P., Sanfilippo, A., Schmitz, B., Shackleton, N. J., Shields, G. A., Strauss, H., Van Dam, J., van Kolfschoten, T., Veizer, J. and Wilson, D. (2004) *A geologic time scale 2004*. Cambridge University Press.
- <sup>24</sup> Duddy, I. R. (2003) Mesozoic: a time of change in tectonic regime. In: *Special Publication 23 - Geology of Victoria*. W. D. Birch (Ed.) Geological Society of Australia, Third Edition, Chapter 9.
- <sup>25</sup> Holdgate, G. R., Gallagher, S. J. and Wallace, M. W. (2002) Tertiary coal geology and stratigraphy of Port Phillip. *Australian Journal of Earth Sciences* 49: 437-453.
- <sup>26</sup> Joyce, E. B., Webb, J. A., Dahlhaus, P. G., Grimes, K. G., Hill, S. M., Kotsionis, A., Martin, J., Mitchell, M. M., Neilson, J. L., Orr, M. L., Peterson, J. A., Rosengren, N. J., Rowan, J. N., Rowe, R. K., Sargent, I., Stone, T., Smith, B. L. and White S. (2003) Geomorphology. In: *Geology of Victoria*. W. D. Birch (Ed.) Geological Society of Australia, Melbourne, Special Publication 23, 3rd Edition, Chapter 18.
- <sup>27</sup> Aziz-ur-Rahman and McDougall (1972) Potassium - argon ages on the Newer Volcanics of Victoria. *Proceedings of the Royal Society of Victoria* 85: 61-69.
- <sup>28</sup> Gray, C. M. and McDougall, I. (2009) K-Ar geochronology of basalt petrogenesis, Newer Volcanic Province, Victoria. *Australian Journal of Earth Sciences* 56: 245-258.
- <sup>29</sup> Hare, A. G., Cas, R. A., Musgrave, R. and Phillips, D. (2005) Magnetic and chemical stratigraphy for the Werribee Plains basaltic lava flow-field, Newer Volcanics Province, southeast Australia: implications for eruption frequency. *Australian Journal of Earth Sciences* 52: 41-57.
- <sup>30</sup> Price, R. C., Gray, C. M., Nicholls, I. A. and Day, A. (1988) Cainozoic volcanic rocks. In: *Geology of Victoria*. J. G. Douglas and J. A. Ferguson (Eds.) Geological Society of Australia, Victoria Division, pp. 439-452.
- <sup>31</sup> Price, R. C., Nicholls, I. A. and Gray, C. M. (2003) Cainozoic igneous activity. In: *Geology of Victoria*. W. D. Birch (Ed.) Geological Society of Australia, Melbourne, Special Publication 23, 3rd Edition, pp. 361 - 375.
- <sup>32</sup> Wellman, P. (1974) Potassium-argon ages on the Cainozoic volcanic rocks of eastern Victoria. *Journal of the Geological Society of Australia* 21: 359-368.
- <sup>33</sup> University of Melbourne School of Historical Studies (2008) Quarries and brickmaking. *eMelbourne - The Encyclopedia of Melbourne online*. Available at: <http://www.emelbourne.net.au/biogs/EM01213b.htm>. Accessed: 16/7/2010.
- <sup>34</sup> Barrett, B. (1971) The inner suburbs. *The evolution of an industrial area*. Melbourne University Press, Carlton, Victoria, pp. 1-72.
- <sup>35</sup> Presland, G. (2008) *The place for a village - how nature has shaped the city of Melbourne*. Museum Victoria Publishing, Melbourne. Part Two - The influence of Nature on Culture.
- <sup>36</sup> Rees, D. (2000) *Land systems of Victoria*. Edition 3. Technical Report No.56. Centre for Land Protection Research, Department of Natural Resources and Environment, Bendigo.
- <sup>37</sup> Rowan, J. N. (1990) *Land systems of Victoria*. Land Conservation Council, Melbourne.
- <sup>38</sup> Bird, E. C. F. (1993) *The coast of Victoria - the shaping of scenery*. Melbourne University Press, Carlton, Victoria.
- <sup>39</sup> Victorian Coastal Council (2008) *Victorian coastal strategy 2008*. Victorian Coastal Council, Melbourne.

- <sup>40</sup> Melbourne Water Corporation (2007) *Port Phillip and Westernport regional river health strategy*. Melbourne Water Corporation, Melbourne.
- <sup>41</sup> Department of Sustainability and Environment (2005) *Index of Stream Condition: The Second Benchmark of Victorian River Condition*. State of Victoria, Melbourne.
- <sup>42</sup> Melbourne Water Corporation (2004) *Port Phillip and Westernport regional river health strategy*. Melbourne Water Corporation, Melbourne.
- <sup>43</sup> Department of Sustainability and Environment (2004) *Groundwater occurrence in the Port Phillip Basin*. State of Victoria, Melbourne.
- <sup>44</sup> Mudd, G. M., Deletic, A., Fletcher, T. D. and Wendelborn, A. (2004) *A review of urban groundwater in Melbourne: considerations for WSUD*. Available at: [http://www.wsud.org/downloads/Info%20Exchange%20&%20Lit/WSUD\\_04\\_Conf\\_Papers/WSO40036.PDF](http://www.wsud.org/downloads/Info%20Exchange%20&%20Lit/WSUD_04_Conf_Papers/WSO40036.PDF).
- <sup>45</sup> Port Phillip and Westernport Catchment Management Authority (2007) *Methods and information used to produce the ratings for the Melbourne Environment Report 2007*. Port Phillip and Westernport Catchment Management Authority, Melbourne.
- <sup>46</sup> Department of Natural Resources and Environment (1997) *Victoria's Biodiversity Strategy*. State of Victoria, Melbourne.
- <sup>47</sup> Saintilan, N. (Ed.) (2009) *Australian saltmarsh ecology*. CSIRO Publishing, Victoria.
- <sup>48</sup> Brown-May, A. and Swain, S. (Eds.) (2005) *The Encyclopaedia of Melbourne*. Cambridge University Press, New York.
- <sup>49</sup> Platt, S. J. and Lowe, K. W. (2002) *Biodiversity Action Planning: action planning for native biodiversity at multiple scales - catchment, bioregional, landscape, local*. Department of Natural Resources and Environment, Melbourne.
- <sup>50</sup> Environment Australia (2000) *Revision of the Interim Biogeographic Regionalisation for Australia (IBRA) and development of Version 5.1 - Summary report*. Environment Australia, Canberra.
- <sup>51</sup> Department of Sustainability and Environment (2003) *Biodiversity Action Planning: strategic overview for the Central Victorian Uplands bioregion*. Report prepared by Anderson, H., Boyle, C., Howell, M., Way, S., Mosey, E. and Lowe, K. W.. State of Victoria, Melbourne.
- <sup>52</sup> Department of Sustainability and Environment (2007) *Native vegetation information: native vegetation quality dataset*. State of Victoria, Melbourne.
- <sup>53</sup> Harper, M. J., McCarthy, M. A. and van der Ree, R. (2005) The abundance of hollow-bearing trees in urban dry sclerophyll forest and the effect of wind on hollow development. *Biological Conservation* 122: 181-192.
- <sup>54</sup> Department of Sustainability and Environment (2009) *Yarra Bend Park flying-fox campsite: review of the scientific research*. State of Victoria, Melbourne.
- <sup>55</sup> Department of Sustainability and Environment (2005) *Advisory list of rare or threatened plants in Victoria - 2005*. State of Victoria, Melbourne.
- <sup>56</sup> van der Ree, R. and McCarthy, M. A. (2006) Inferring the persistence of indigenous mammals in response to urbanisation. *Animal Conservation* 8: 309-319.
- <sup>57</sup> Department of Sustainability and Environment (2007) *Advisory list of threatened vertebrate fauna in Victoria - 2007*. State of Victoria, Melbourne.
- <sup>58</sup> Department of Sustainability and Environment (2009) *Advisory list of threatened invertebrate fauna in Victoria - 2009*. State of Victoria, Melbourne.
- <sup>59</sup> Cheal, D. C., Lau, J. A., Robinson, R. W., Ellis, J. E. and Cameron, D. G. (1989 unpublished) *Vegetation survey and sites of botanical significance in the Melbourne area*. Flora Section, Department of Conservation and Natural Resources, Melbourne.
- <sup>60</sup> Dutson, G., Garnett, S. and Gole, S. (2009) *Australia's important bird areas: key sites for bird conservation. Birds Australia (RAOU) conservation statement no. 15, October 2009*. Birds Australia, Carlton, Victoria.
- <sup>61</sup> Bureau of Meteorology (2010) *Australian climate zones*. Available at: <http://reg.bom.gov.au/lam/climate/levelthree/ausclim/koepen2.htm>.
- <sup>62</sup> Bureau of Meteorology (2010) *Annual Australian climate statement 2009*. Available at: [http://www.bom.gov.au/announcements/media\\_releases/climate/change/20100105.shtml](http://www.bom.gov.au/announcements/media_releases/climate/change/20100105.shtml).
- <sup>63</sup> Climate Change Taskforce (2008) *FutureMap-Melbourne 2030. An initiative of the committee for Melbourne*. Committee for Melbourne, Melbourne.
- <sup>64</sup> Department of Sustainability and Environment (2008) *Climate change in Port Phillip and Westernport*. State of Victoria, Melbourne.
- <sup>65</sup> Bureau of Meteorology (2009) *Climate data online*. Available at: [http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p\\_display\\_type=dataGraph&p\\_stn\\_num=086071&p\\_nccObsCode=139&p\\_month=13](http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_display_type=dataGraph&p_stn_num=086071&p_nccObsCode=139&p_month=13). Accessed: 04/02/09.
- <sup>66</sup> Bureau of Meteorology (2010) *Daily weather observations for Melbourne, Victoria*. Available at: [http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p\\_display\\_type=dataGraph&p\\_stn\\_num=086071&p\\_nccObsCode=139&p\\_month=13](http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_display_type=dataGraph&p_stn_num=086071&p_nccObsCode=139&p_month=13). Accessed: 05/01/10.
- <sup>67</sup> Commonwealth Scientific and Industrial Research Organisation (2007) *Climate change in Australia: observed changes and projections*. CSIRO, Canberra.
- <sup>68</sup> Department of Sustainability and Environment (2008) *Climate change in Victoria: 2008 summary*. State of Victoria, Melbourne.
- <sup>69</sup> Garnaut, R. (2008) *The Garnaut climate change review. Final report*. Available at: <http://www.garnautreview.org.au/index.htm#pdf>.
- <sup>70</sup> Intergovernmental Panel on Climate Change (2007) *Climate Change 2007: the synthesis report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*. R. K. Pachauri and A. Reisinger (Eds.) Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- <sup>71</sup> Intergovernmental Panel on Climate Change (2007) *Climate Change 2007: the physical science basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*. S. Solomon, D. Qin, M. Manning, M. Marquis, K. Averyt, M. M. B. Tignor, H. L. Miller and Z. Chen (Eds.) Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- <sup>72</sup> Steffen, W., Burbidge, A. A., Hughes, L., Kitching, R., Lindenmayer, D., Musgrave, W., Stafford Smith, M., and Werner, P. (2009) *Australia's biodiversity and climate change: a strategic assessment of the vulnerability of Australia's biodiversity to climate change. Technical synthesis*. Technical synthesis of a report to the Natural Resource Management Ministerial Council commissioned by the Department of Climate Change, Canberra.
- <sup>73</sup> Commonwealth Scientific and Industrial Research Organisation (2010) *State of the climate*. CSIRO and BOM, Canberra.
- <sup>74</sup> Tans, P. (2009) *Trends in atmospheric carbon dioxide*. National Oceanic and Atmospheric Administration, Earth System Research Laboratory, USA. Available at: <http://www.esrl.noaa.gov/gmd/ccgg/trends/index.html#global>.
- <sup>75</sup> Indermühle, A., Stocker, T. F., Joos, T., Fischer, H., Smith, H. J., Wahlen, M., Deck, B., Mastroianni, D., Tschumi, J., Blunier, T., Meyer, R. and Stauffer, B. (1999) Holocene carbon-cycle dynamics based on CO<sub>2</sub> trapped in ice at Taylor Dome, Antarctica. *Nature* 398: 121-126.
- <sup>76</sup> Fischer, H., Wahlen, M., Smith, J., Mastroianni, D. and Deck, B. (1999) Ice core records of atmospheric CO<sub>2</sub> around the last three glacial terminations. *Science* 283: 1712-1714.
- <sup>77</sup> Luthi, D., Le Floch, M., Bereiter, B., Blunier, T., Barnola, J-M., Siegenthaler, U., Raynaud, D., Jouzel, J., Fischer, H., Kawamura, K. and Stocker, T. F. (2008) High-resolution carbon dioxide concentration record 650,000-800,000 years before present. *Nature* 453: 379-382. DOI: 10.1038/nature06949.
- <sup>78</sup> Siegenthaler, U., Stocker, T. F., Monnin, E., Luthi, D., Schwander, J., Stauffer, B., Rynaud, D., Barnola, J. M., Fischer, H., Masson-Delmotte, V. and Jouzel, J. (2005) Stable carbon cycle-climate relationship during the Late Pleistocene. *Science* 310: 1313-1317.
- <sup>79</sup> Steffen, W., Sanderson, A., Tyson, P. D., Jager, J., Matson, P. M., Moore, B., Oldfield, F., Richardson, K., Schnellhuber, H. J., Turner, B. L., and Wasson, R. J. (2004) *Global change and the Earth system: a planet under pressure*. Springer-Verlag, New York, NY, USA.

- <sup>80</sup> Richardson, K., Steffen, W., Schellnhuber, H. J., Alcamo, J., Barker, T., Kammen, D. M., Leemans, R., Liverman, D., Munasinghe, M., Osman-Elasha, B., Stern, N. and Waeber, O. (2009) *Climate change. Global risks, challenges and decisions. Synthesis report. Copenhagen 2009. 10-12 March*. University of Copenhagen, Denmark, Second Edition.
- <sup>81</sup> Brohan, P., Kennedy, J. J., Harris, I., Tett, S. F. B. and Jones, P. D. (2006) Uncertainty estimates in regional and global observed temperature changes: a new dataset from 1850. *Journal of Geophysical Research* 111. DOI: 10.1029/2005JD006548.
- <sup>82</sup> Jones, P. (2009) *Climatic Research Unit information sheet no. 1: global temperature record*. Climatic Research Unit, School of Environmental Sciences, Faculty of Science, University of East Anglia, Norwich, UK. Available at: <http://www.cru.uea.ac.uk/cru/info/warming>.
- <sup>83</sup> Suppiah, R. and Whetton, P. H. (2006) *Projected changes in temperature and heating degree-days for Melbourne and Victoria, 2008-2012*. Climate Impacts and Risk Group, CSIRO Marine and Atmospheric Research, Melbourne.
- <sup>84</sup> National Climate Centre (2009) *Special climate statement 17 - the exceptional January-February 2009 heatwave in south-eastern Australia*. Bureau of Meteorology, Melbourne.
- <sup>85</sup> Department of Human Services (2009) *January 2009 heatwave in Victoria: an assessment of health impacts*. State of Victoria, Melbourne.
- <sup>86</sup> Melbourne Water Corporation (2009) *Securing our water supply*. Melbourne Water Corporation, Melbourne. Available at: [http://www.melbournewater.com.au/content/water\\_conservation/securing\\_water\\_supply/the\\_water\\_shortage.asp](http://www.melbournewater.com.au/content/water_conservation/securing_water_supply/the_water_shortage.asp).
- <sup>87</sup> Timbal, B. (2009) The continuing decline in South-East Australian rainfall: update to May 2009. *CAWCR Research Letters. Issue 2, July 2009*: 4-11.
- <sup>88</sup> Department of Sustainability and Environment (2006) *Sustainable water strategy - central region: action to 2055*. State of Victoria, Melbourne.
- <sup>89</sup> Howe, C., Jones, R. N., Maheepala, S. and Rhodes, B. (2005) *Melbourne Water climate change study: implications of potential climate change for Melbourne's water resources. March 2005*. A collaborative project between Melbourne Water and CSIRO Urban Water and Climate Impact Groups. Doc: CMIT-2005-106.
- <sup>90</sup> Department of Sustainability and Environment (2006) *Yarra River action plan*. State of Victoria, Melbourne.
- <sup>91</sup> Melbourne Water Corporation (2010) *Melbourne Water*. Available at: <http://www.melbournewater.com.au/default.asp>.
- <sup>92</sup> Church, J. A., Hunter, J. R., McInnes, K. L. and White, N. J. (2006) Sea-level rise around the Australian coastline and the changing frequency of extreme sea-level events. *Australian Meteorological Magazine* 55: 253-260.
- <sup>93</sup> Rahmstorf, S., Cazenave, A., Church, J. A., Hansen, J. E., Keeling, R. F., Parker, D. E. and Somerville, R. C. J. (2007) Recent climate observations compared to projections. *Science* 316: 709.
- <sup>94</sup> Department of Climate Change (2009) *Climate change risks to Australia's coast: A first pass risk assessment*. The Australian Government, Canberra.
- <sup>95</sup> Kershaw, A. P. (1995) Environmental change in greater Australia. *Antiquity* 69: 656-675.
- <sup>96</sup> Wasson, R. J. and Donnelly, T. H. (1991) *Palaeoclimatic reconstructions for the last 30,000 years in Australia - A contribution to prediction of future climate*. CSIRO Division of Water Resources, Canberra.
- <sup>97</sup> Hope, G. S. (1994) Quaternary vegetation. In: *History of the Australian vegetation: Cretaceous to recent*. R. S. Hill (Ed.) Cambridge University Press, Cambridge, pp. 368-389.
- <sup>98</sup> Mulvaney, D. J. and Kamminga, J. (1999) *Prehistory of Australia*. Allen and Unwin. Sydney.
- <sup>99</sup> Chappell, J. and Thom, B. (1977) Sea levels and coasts. In: *Sunda and sahal. Prehistoric studies in Southeast Asia, Melanesia, and Australia*. J. Allen, J. Golson and R. Jones (Eds.) Academic Press, London. pp. 275-291.
- <sup>100</sup> Bird, C. F. M. and Frankel, D. (1998) Pleistocene and early Holocene archaeology in Victoria. A view from Gariwerd. *The Artefact* 21: 48-62.
- <sup>101</sup> Chappell, J. (2001) Sea level through the last glacial cycle. *Science* 292: 679-685.
- <sup>102</sup> Jones, R. (1977) Man as an element of a continental fauna: the case of the sundering of the Bassian bridge. In: *Sunda and sahal. Prehistoric studies in Southeast Asia, Melanesia, and Australia*. J. Allen, J. Golson and R. Jones (Eds.) Academic Press, London, pp. 317-386.
- <sup>103</sup> Ross, A. (1986) Aboriginal archaeology in South Eastern Australia. In: *Planning for Aboriginal site management*. A. Ross (Ed.) New South Wales National Parks and Wildlife Service, Sydney.
- <sup>104</sup> McCrae, H. (1934) *Georgiana's journal: Melbourne a hundred years ago [Diary of Georgiana McCrae]*. Angus and Robertson, Sydney.
- <sup>105</sup> Wasson, R. J., Fleming, P. M. and Donnelly, T. H. (1991) *Palaeoclimatic of Australia at 6000 years BP*. CSIRO Division of Water Resources, Canberra.
- <sup>106</sup> Clark, I. D. (1990) *Aboriginal languages and clans: an historical atlas of Western and Central Victoria, 1800 -1900*. Monash Publications in Geography, Melbourne.
- <sup>107</sup> Barwick, D. E. (1984) Mapping the past: an atlas of Victorian Clans: 1835-1904. Part 1. *Aboriginal History* 8: 100-131.
- <sup>108</sup> Presland, G. (1994) *Aboriginal Melbourne: the lost land of the Kulin people*. McPhee Gribble Publishers, Melbourne.
- <sup>109</sup> McBryde, I. (1978) Wil-im-ee Moor-ring. Or, where do axes come from? *Mankind* 11: 354-382.
- <sup>110</sup> McBryde, I. (1984) Exchange in Southeastern Australia: an ethnohistorical perspective. *Aboriginal History* 8: 132-153.
- <sup>111</sup> McBryde, I. (1984) Kulin greenstone quarries: the social contexts of production and distribution for the Mt William site. *World Archaeology* 16: 267-285.
- <sup>112</sup> Bunce, D. (1859) *Travels with Dr. Leichardt*. Oxford University Press, Melbourne.
- <sup>113</sup> Thomas, W. (1969) Brief account of the Aborigines of Australia Felix, 1854. In: *Letters from Victorian pioneers being a series of papers on the early occupation of the Colony, the Aborigines, etc.* T. Bride (Ed.) William Heinemann, Melbourne, pp. 397-437.
- <sup>114</sup> Winter, T. (1969) *Letter from Hobart, 1837*. In: *Letters from Victorian pioneers being a series of papers on the early occupation of the Colony, the Aborigines, etc.* T. F. Bride (Ed.) William Heinemann, Melbourne.
- <sup>115</sup> Coutts, P. J. (1981) *Readings in Victorian prehistory. Volume 2: The Victorian Aborigines 1800-1860*. Victorian Archaeological Survey, Melbourne.
- <sup>116</sup> Gott, B. (1999) Koorie use and management of the Plains. In: *The Great Plains Crash. Proceedings of a conference on the grasslands and grassy woodlands of Victoria*. R. Jones (Ed.) Indigenous Flora and Fauna Association, Melbourne, pp. 41-45.
- <sup>117</sup> Frankel, D. (1982) An account of the Aboriginal use of the yam daisy. *The Artefact* 7: 43-45.
- <sup>118</sup> Gott, B. (1982) Ecology of root use by the Aborigines of Southern Australia. *Archaeology in Oceania* 17: 59-67.
- <sup>119</sup> Gott, B. (1983) Murnong - *Microseris scapigera*: a study of a staple food of Victorian Aborigines. *Australian Aboriginal Studies* 2: 2-18.
- <sup>120</sup> McBryde, I. (1979) Petrology and prehistory: lithic evidence for exploitation of stone resources and exchange systems in Australia, with an appendix on the petrology of the greenstone quarries and their products by Alan Watchman. In: *Stone Axe Studies: Archaeological, Petrological, Experimental and Ethnographic*. T. Clough and W. Cummins (Eds.) Council for British Archaeology, London. pp.113-126.
- <sup>121</sup> McBryde, I. and Harrison, G. (1981) Valued goods or valuable stone? In: *Archaeological studies of Pacific stone resources*. F. Leach and J. Davidson (Eds.) BAR Monograph, Oxford, pp. 183-208.
- <sup>122</sup> McBryde, I. and Watchman, A. (1976) The distribution of greenstone axes in Southeastern Australia: a preliminary report. *Mankind* 10: 163-174.
- <sup>123</sup> du Cros, H. (1989) *The Western region: Melbourne metropolitan area. An archaeological survey*. Victorian Archaeological Survey, Melbourne.
- <sup>124</sup> Gill, E. D. (1966) Provenance and age of the Keilor cranium: Oldest known human skeletal remains in Australia. *Current Anthropology* 7: 581-584.

- <sup>125</sup> Tunn, J. (1997) *Pleistocene landscapes of Brimbank Park, Keilor, Victoria*. Unpublished B.A. (Hons) thesis, School of Archaeology, La Trobe University, Melbourne.
- <sup>126</sup> Tunn, J. (1998) Pleistocene landscapes of Brimbank Park, Keilor, Victoria. *The Artefact* 21: 35-47.
- <sup>127</sup> Parks Victoria (1998) *Woodlands Historic Park - Management plan - January 2007*. Parks Victoria, Melbourne.
- <sup>128</sup> Shaw, A. G. L. (2003) *The history of the Port Phillip district: Victoria before separation*. Melbourne University Press, Carlton, Victoria.
- <sup>129</sup> Cannon, M. (Ed.) (1982) *Historical records of Victoria: Foundation series. Vol. 2A*. Victorian Government Printing Office, Melbourne.
- <sup>130</sup> Clark, I. D. and Heydon, T. (2004) *A bend in the Yarra: a history of the Merri Creek Protectorate Station and Merri Creek Aboriginal School 1841-1851*. Aboriginal Studies Press, Canberra.
- <sup>131</sup> Eidelson, M. (1997) *The Melbourne dreaming: a guide to the Aboriginal places of Melbourne*. Aboriginal Studies Press, Canberra.
- <sup>132</sup> Fels, M. H. (1988) *Good men and true : the Aboriginal police of the Port Phillip district 1837-1853*. Melbourne University Press, Carlton, Victoria.
- <sup>133</sup> Patton, B. (2006) "Unequal justice." Colonial law and the shooting of Jim Crow. *Provenance: The Journal of Public Record Office Victoria* 5: 1-14.
- <sup>134</sup> Clark, I. D. (Ed.) (1998) *The journals of George Augustus Robinson, Chief Protector, Port Phillip Aboriginal Protectorate. Vol.3*. Heritage Matters, Melbourne.
- <sup>135</sup> La Trobe to the Colonial Secretary 8 June 1850, 50/257, VPRS 16, Public Record Office Victoria, Melbourne.
- <sup>136</sup> Legislative Council (1859) *Report of the select committee of the Legislative Council on the Aborigines; together with the proceedings of committee, minutes of evidence, and appendices*. Victorian Parliament Government Printer, Melbourne.
- <sup>137</sup> Broome, R. (2005) *Aboriginal Victorians: a history since 1800*. Allen and Unwin, Sydney.
- <sup>138</sup> Lyons, G. (1983) Official policy towards Victorian aborigines 1957-1974. *Aboriginal History* 7: 61-79.
- <sup>139</sup> Lee, J. (2008) *Making modern Melbourne*. Arcade Publications, Carlton, Victoria.
- <sup>140</sup> Sanderson, W. A. (1975) The alienation of the Melbourne parks. *Victorian Historical Journal* 46: 549-570.
- <sup>141</sup> Wright, R. (1989) *The bureaucrats' domain : space and the public interest in Victoria, 1836-84*. Oxford University Press, Melbourne.
- <sup>142</sup> Bick, D. V. (1992) *Shire of Eltham heritage study. Vol 2*. Heritage Victoria.
- <sup>143</sup> Davison, G. (1978) *The rise and fall of Marvellous Melbourne*. Melbourne University Press, Carlton, Victoria.
- <sup>144</sup> Priestley, S. (1984) *Making their mark*. Fairfax, Syme & Weldon Associates, McMahon's Point, N.S.W.
- <sup>145</sup> Dingle, A. and Rasmussen, C. (1991) *Vital connections. Melbourne and its Board of Works 1891 - 1991*. McPhee Gribble, Ringwood, Victoria.
- <sup>146</sup> Anderson, E. M. (2000) *Victoria's national parks : a centenary history*. State Library of Victoria ; Parks Victoria, Melbourne.
- <sup>147</sup> Griffiths, T. (1992) *Secrets of the forest : discovering history in Melbourne's Ash Range*. Allen & Unwin.
- <sup>148</sup> Bardwell, S. (1982) *Fern Tree Gully National Park: a centenary history 1882-1982*. National Parks Service, Victoria.
- <sup>149</sup> Harris, G. (2005) *Melbourne's green belt and wedges : a short history of open places and spaces in the city and their strategic context*. School of Social Science and Planning, Royal Melbourne Institute of Technology, Melbourne.
- <sup>150</sup> Department of Planning and Community Development (2009) *Victoria in the future 2008*. State of Victoria, Melbourne.
- <sup>151</sup> Land Conservation Council (1977) *Melbourne Area Final Recommendations*. Land Conservation Council, Melbourne.
- <sup>152</sup> Land Conservation Council (1987) *Melbourne Area District 1 Review Final Recommendations*. Land Conservation Council, Melbourne.
- <sup>153</sup> Land Conservation Council (1994) *Melbourne Area District Two Review Final Recommendations*. Land Conservation Council, Melbourne.
- <sup>154</sup> Land Conservation Council (1991) *Rivers and Streams Special Investigation Final Recommendations*. Land Conservation Council, Melbourne.
- <sup>155</sup> Environment Conservation Council (2000) *Marine Coastal and Estuarine Investigation Final Report*. Environment Conservation Council, Melbourne.
- <sup>156</sup> Department of Natural Resources and Environment National Parks Service (1996) *IUCN categories and other key data for parks and reserves in Victoria*. State of Victoria, Melbourne.
- <sup>157</sup> Rosengren, N., Froud, D. and Lowe, K. (1983 unpublished) *Sites of geological, geomorphological, botanical and zoological significance in the flood plain of the Upper Yarra River*. Report prepared for the Upper Yarra Valley and Dandenong Ranges Authority, Melbourne.
- <sup>158</sup> Australian Sports Commission (2010) *Participation in exercise, recreation and sport. Annual report 2009*. Australian Sports Commission, Canberra.
- <sup>159</sup> Victoria Trails Co-ordinating Committee (2004) *Victorian trails strategy - 2005-2010*. State of Victoria, Parks Victoria, Melbourne.
- <sup>160</sup> Parks Victoria (2007) *Victoria's state of the parks report*. Parks Victoria, Melbourne.
- <sup>161</sup> Melbourne Cricket Club (2010) *Attendances*. Available at: <http://www.mcg.org.au/History/Attendances.aspx>. Accessed: 6/9/10.
- <sup>162</sup> Ritchie, E. G. (1934) Melbourne's water supply undertaking. In: J. G. Burnell. One hundred years of engineering in Victoria. *Journal of Institution of Engineers Australia* 6: 379-383.
- <sup>163</sup> Melbourne Water Corporation (2006) *Recycling water for a greener future. Essential Facts, March 2006*. Melbourne Water Corporation, Melbourne.
- <sup>164</sup> Department of Primary Industries (2007/2008) *Earth resource industries*. Available at: <http://new.dpi.vic.gov.au/earth-resources/earth-resources-industries>.
- <sup>165</sup> Department of Sustainability and Environment (2007) *Code of practice for timber production 2007*. State of Victoria, Melbourne.
- <sup>166</sup> Diez, S. and Foreman, P. (1996) *Practical guidelines for the management of native grasslands on the Riverine Plain of South-eastern Australia*. Draft report. Department of Conservation and Natural Resources, Bendigo.
- <sup>167</sup> Tscharke, M. (2001) *Experiences managing Terrick Terrick National Park*. Proceedings of the Second National Conference of the Native Grasses Association. The University of Melbourne, Institute of Land and Food Resources, Dookie. Available at: <http://www.regional.org.au/au/stipa/2001/index.htm#TopOfPage>.
- <sup>168</sup> Victorian Competition and Efficiency Commission (2008) *A state of liveability: an inquiry into enhancing Victoria's liveability. Final report*. Victorian Competition and Efficiency Commission, Melbourne.
- <sup>169</sup> Mercer (2010) *Quality of living worldwide city rankings 2010 - Mercer survey*. Available at: <http://www.mercer.com/qualityoflivingpr>. Accessed: 1/7/2010.
- <sup>170</sup> Growth Areas Authority (2008) *A strategic framework for creating liveable new communities*. Report prepared by Sue West and Marnie Badham, McCaughey Centre, University of Melbourne for the Growth Areas Authority, Melbourne.
- <sup>171</sup> City of Boroondara Major Projects Unit (1996) *Open space policy*. City of Boroondara, Melbourne.
- <sup>172</sup> City Of Darebin (2008) *Darebin open space strategy 2007-2017*. City of Darebin, Melbourne.
- <sup>173</sup> City of Kingston (2005) *City of Kingston open space strategy*. Prepared for the City of Kingston by @leisure, Melbourne.
- <sup>174</sup> City of Yarra (2006) *Yarra open space strategy*. Report prepared by Thompson Berrill Landscape Design Pty Ltd in association with Environment and Land Management Pty Ltd. Dec 2006. Melbourne.
- <sup>175</sup> Moreland City Council (2004) *Moreland open space strategy*. Moreland City Council, Melbourne.
- <sup>176</sup> Australian Institute of Health and Welfare (2006) *Australia's Health 2006*. AIHW cat. no. AUS 73. Canberra.

- <sup>177</sup> Parliament of Victoria (2008) *Select Committee of the Legislative Council on public land - final report, September 2008*. State of Victoria, Melbourne. Available at: <http://www.parliament.vic.gov.au/publications/committee-reports?start=20>.
- <sup>178</sup> Veal, A. J. (2008) *Open space planning standards in Australia: in search of origins*. School of Leisure, Sport and Tourism Working Paper 5, University of Technology Sydney, Lindfield, NSW.
- <sup>179</sup> United Nations Environment Program (2005) *Urban Environmental Accords – Green Cities Declaration*. Signed on the occasion of UNEP World Environment Day 5 June 2005, San Francisco. Available at: <http://www.sfenvironment.org/downloads/library/accords.pdf>. Accessed: 31/3/09.
- <sup>180</sup> Natural England (2010) *Standards for accessible natural greenspace - ANGSt*. Natural England. Available at: <http://www.naturalengland.org.uk/ourwork/enjoying/places/greenspace/greenspacestandards.aspx>. Accessed: 13/9/10.
- <sup>181</sup> Whitehead, G. (1997) *Civilising the city: a history of Melbourne's public gardens*. State Library of Victoria, Melbourne.
- <sup>182</sup> Hennessy, K., Fitzharris, B., Bates, B. C., Harvey, N., Howden, M., Hughes, L., Salinger, J. and Warrick, R. (2007) Australia and New Zealand. In: *Climate Change 2007: impacts, adaptation and vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*. M. L. Parry, O. F. Canziani, J. P. Palutikof, P. J. van der Linden and C. E. Hanson (Eds.) Cambridge University Press, Cambridge, UK, pp. 507-540.
- <sup>183</sup> Mackey, B. G., Watson, J. E. M., Hope, G. and Gilmore, S. (2008) Climate change, biodiversity conservation, and the role of protected areas: An Australian perspective. *Biodiversity* 9: 11-18.
- <sup>184</sup> Orange-bellied Parrot Recovery Program (2010) *TrumpedUP Corella. The Newsletter of the Orange-bellied Parrot Recovery Program*. Issue 4, June 2010.
- <sup>185</sup> Vine, S. (2010) Orange-bellied Parrot. On a wing and a prayer. *Wingspan* June: 12-13.
- <sup>186</sup> Department of Sustainability and Environment (2003) *Flora and Fauna Guarantee. Action Statement. Orange-bellied Parrot. Neophema chrysogaster*. The State of Victoria, Melbourne.
- <sup>187</sup> Kinrade, P. and Preston, B. (2008) *Impacts of climate change on settlements in the Westernport region. People, property and places. Final report June 2008*. Marsden Jacob Associates and CSIRO, Melbourne.
- <sup>188</sup> Kinrade, P. and Justus, M. (2008) *Impacts of climate change on settlements in the Westernport region. Climate change risks and adaptation. October 2008*. Marsden Jacob Associates, Melbourne.
- <sup>189</sup> McInnes, K. (2009) *Climate change, coasts and the adaptation challenge*. Report prepared by the Sea Level Rise and Coasts Team, Centre for Australian Weather and Climate Research (A partnership between CSIRO and the Bureau of Meteorology). Presented to The Australian Coastal Councils Conference, Mandurah, Western Australia, 3-4 March. Available at: <http://www.seachangetaskforce.org.au/Conference.html>.
- <sup>190</sup> Department of Sustainability and Environment (2008) *Future Coasts. Preparing Victoria's coasts for climate change*. Future Coasts Newsletter: 4: Dec 2008.
- <sup>191</sup> Environmental Protection Agency USA (2008) *Reducing Urban Heat Islands: Compendium of strategies. Urban Heat Island basics*. EPA, USA.
- <sup>192</sup> Commissioner for Environmental Sustainability (2008) *State of the Environment report 2008*. State of Victoria, Melbourne.
- <sup>193</sup> Mansergh, I., Cheal, D. and Amos, N. (2005) Biolinks the journey. In: *The great greenhouse gamble – an NCC conference*. Proceedings of the Nature Conservation Council conference on the impacts of climate change on biodiversity and natural resource management, Powerhouse Museum, Sydney.
- <sup>194</sup> Victorian Environmental Assessment Council (2010) *Remnant Native Vegetation Investigation Discussion Paper*. Victorian Environmental Assessment Council, Melbourne.
- <sup>195</sup> Bekessy, S. A. and Gordon, A. (2007) Nurturing nature in the city. In: *Living sustainably: policies and practices for sustainable housing and urban planning*. A. Nelson (Ed.) NATSEM Research Centre of AHURI, Melbourne.
- <sup>196</sup> Hahs, A. K., McDonnell, M. J., McCarthy, M. A., Vesk, P. A., Corlett, R. T., Norton, B. A., Clemants, S. E., Duncan, R. P., Thompson, K., Schwartz, M. W. and Williams, N. S. G. (2009) A global synthesis of plant extinction rates in urban areas. *Ecology Letters* 12: 1165-1173.
- <sup>197</sup> Laurance, W. F. (2002) Hyperdynamism in fragmented habitats. *Journal of Vegetation Science* 13: 595-602.
- <sup>198</sup> Palmer, G. C., Fitzsimons, J. A., Antos, M. J. and White, J. G. (2008) Determinants of native avian richness in suburban remnant vegetation: implications for conservation planning. *Biological Conservation* 141: 2329-2341. DOI: 10.1016/j.biocon.2008.06.025.
- <sup>199</sup> Williams, N. S. G., McDonnell, M. J. and Seager, E. J. (2005) Factors influencing the loss of an endangered ecosystem in an urbanising landscape: a case study of native grasslands from Melbourne, Australia. *Landscape and Urban Planning* 71: 35-49. DOI: 10.1016/j.landurbplan.2004.01.006.
- <sup>200</sup> Miller, J. R. and Hobbs, R. J. (2002) Conservation where people live and work. *Conservation Biology* 16: 300-337.
- <sup>201</sup> Simberloff, D., Parker, I. M. and Windle, P. N. (2005) Introduced species policy, management, and future research needs. *Frontiers in Ecology and Environment* 3: 12-20.
- <sup>202</sup> Sullivan, A. (2004) The prescribed burning/biodiversity dilemma: a dynamical systems exploration. In: *Proceedings of Bushfire 2004*. 25-28 May 2004. Adelaide.
- <sup>203</sup> Lunt, I. D. and Morgan, J. W. (1999) Vegetation changes after 10 years of grazing exclusion and intermittent burning in a *Themeda triandra* (Poaceae) grassland reserve in south-eastern Australia. *Australian Journal of Botany* 47: 537-552.
- <sup>204</sup> Phelan, G. (2000) *The effects of urbanisation on Leptospermum myrsinoides heathland in the south-eastern suburbs of Melbourne*. BSc (Hons) thesis, The University of Melbourne, Australia.
- <sup>205</sup> Hilbert, D. W., Hughes, L., Johnson, J., Lough, J. M., Low, T., Pearson, R. G., Sutherst, R. W. and Whittaker, S. (2007) *Biodiversity conservation research in a changing climate. Workshop report: research needs and information gaps for the implementation of the key objectives of the National Biodiversity and Climate Change Action Plan. March 2007*. CSIRO and DEWR, the Australian Government, Canberra.
- <sup>206</sup> Hobday, A. J., Okey, T. A., Poloczanska, E. S., Kunz, T. J. and Richardson, A. J. (Eds.) (2006) *Impacts of climate change on Australian marine life: Part A. Executive summary*. Report to the Australian Greenhouse Office, September 2006. The Australian Government, Canberra.
- <sup>207</sup> Roetman, P. (2008) *Fact sheet: biodiversity in urban developments*. Available at: <http://yourdevelopment.org/factsheet/view/id/51>.
- <sup>208</sup> Deakin University and Parks Victoria (2008) *Healthy parks, healthy people: the health benefits of contact with nature in a park context*. School of Health and Social Development, Faculty of Health, Medicine, Nursing and Behavioural Sciences, Deakin University, Melbourne.
- <sup>209</sup> McNeely, J. A. (2001) Cities and protected areas: an oxymoron or a partnership (editorial). *Parks* 11: 1-2.
- <sup>210</sup> Phillips, A. and Gay, H. (2001) Nature in cities - biodiversity and protected areas in London. *Parks* 11: 35-42.
- <sup>211</sup> Clode, D. (2006) *As if for a thousand years: a history of Victoria's Land Conservation and Environment Conservation Councils*. Victorian Environmental Assessment Council, Melbourne.
- <sup>212</sup> Auditor-General of Victoria (1986) *Special report No 4. Court closures in Victoria*. State of Victoria, Melbourne.
- <sup>213</sup> Department of Natural Resources and Environment (1998 unpublished) *Crown Land Assessment Guidelines*. Department of Natural Resources and Environment, Melbourne.
- <sup>214</sup> Department of Premier and Cabinet (2009) *Victorian budget 2009-10. Budget paper no. 3*. State of Victoria, Melbourne.

- <sup>215</sup> International Union for Conservation of Nature (2001) *2001 IUCN Red List categories and criteria version 3.1*. Adopted by the IUCN Council February 2000.
- <sup>216</sup> International Union for Conservation of Nature (1994) *Guidelines for Protected Area management categories*. IUCN, Cambridge, UK and Gland, Switzerland.
- <sup>217</sup> White, S., King, R. L., Mitchell, M. M., Joyce, E. B., Cochrane, R. M., Rosengren, N. J. and Grimes, K. G. (2003) Conservation and heritage: registering sites of significance. In: *Geology of Victoria*. W. D. Birch (Ed.) Geological Society of Australia, Special Publication 23, Third Edition, Chapter 27, pp. 703-711.
- <sup>218</sup> Clark, I. D. and Kostanski, L. M. (2006) *An Indigenous History of Stonnington. A Report to the City of Stonnington*. School of Business, University of Ballarat.
- <sup>219</sup> Goulding, M. and Menis, M. (2006) *Moreland post-contact Aboriginal heritage study. A report to Moreland City Council*. Goulding Heritage Consulting Pty Ltd, North Carlton, Victoria.
- <sup>220</sup> Clark, I. D. (Ed.) (1998) *The journals of George Augustus Robinson, Chief Protector, Port Phillip Aboriginal Protectorate. Vol. 1*. Heritage Matters, Melbourne.
- <sup>221</sup> Sagazio, C. (2008) *Old Melbourne Cemetery*. eMelbourne - The Encyclopedia of Melbourne online. Available at: <http://www.emelbourne.net.au/biogs/EM01080b.htm>. Accessed: 30/7/09.
- <sup>222</sup> Cuthill, W. (1973) *The Magistrates' Court Melbourne – an historical outline*. Available at: [www.magistratescases.com.au](http://www.magistratescases.com.au). Accessed: 29/7/09.
- <sup>223</sup> Barwick, D. (1998) *Rebellion at Coranderrk*. Aboriginal History Monographs. Canberra.
- <sup>224</sup> Caldere, D. B., Goff, D. J. and Department of Conservation and Environment (1991) *Aboriginal reserves & missions in Victoria*. Aboriginal Lands Group, Department of Conservation and Environment, Melbourne.
- <sup>225</sup> Public Record Office Victoria (2005) *Finding your story: a resource manual to the records of the Stolen Generations in Victoria*. Public Record Office Victoria. Melbourne.
- <sup>226</sup> Menzies Inc. (2009) *Menzies History*. Available at: [www.menzies.org.au](http://www.menzies.org.au).
- <sup>227</sup> Clarke, M. T. (1972) *Pastor Doug: the story of Sir Douglas Nicholls Aboriginal leader*. Lansdowne Press, Melbourne.
- <sup>228</sup> Museum Victoria (2009) *Ancestral Remains Collection*. Available at: [www.museumvictoria.com.au](http://www.museumvictoria.com.au).
- <sup>229</sup> Koorie Heritage Trust (2003) *History*. Available at: [http://www.koorieheritagetrust.com/about\\_the\\_trust/history](http://www.koorieheritagetrust.com/about_the_trust/history). 230 Swinbourn, M. (2006) *Weeroona Aboriginal Cemetery*. KB2C Newsletter. Available at: <http://www.kangan.edu.au/kb2c/issue25/>.
- <sup>231</sup> RMIT University (2008) *Sharing our heritage through 800-year-old trees*. Available at: <http://www.rmit.edu.au/>.
- <sup>232</sup> City of Melbourne (2009) *Birrarung Marr*. Available at: <http://www.melbourne.vic.gov.au>.

# APPENDIX 1

## COMMUNITY REFERENCE GROUP

VEAC is required to establish a Community Reference Group to provide advice in respect of each investigation. The Council may also appoint any committees that it considers necessary to assist with conduct of investigations.

The Metropolitan Melbourne Investigation Community Reference Group was established in September 2009. It is independently chaired by Ms Jan Macpherson.

Membership consists of:

**Cr Sam Alessi**

Municipal Association of Victoria

**Dr Bob Birrell**

Director, Centre for Population and Urban Research,  
Monash University

**Mr Garry Brennan**

Bicycle Victoria

**Dr Phillip Brotchie**

Bushwalking Victoria

**Mr Pat Corr**

Member, Arthurs Creek Landcare Group and  
WACMAC Landcare

**Mr Maelor Himbury**

Victorian Environment Friends Network

**Aunty Diane Kerr**

Wurundjeri Tribe Land and  
Compensation Heritage Council Inc

**Ms Anne McGregor**

Victorian National Parks Association

**Assoc Prof Mardie Townsend**

Associate Dean, School of Health and Social Development,  
Deakin University

## APPENDIX 2

### SITES OF INTERNATIONAL, NATIONAL AND STATE GEOLOGICAL SIGNIFICANCE ON PUBLIC LAND IN THE INVESTIGATION AREA

#### International

- ML 310 Beaumaris Cliffs Tertiary fossil site No. 1 (Keepers)
- ML 311 Beaumaris Cliffs Tertiary fossil site No. 2 (Yacht Squadron)

#### National

- ML 011 Dry Creek-Maribyrnong River junction Quaternary fossil site
- ML 190 Taylors Creek silcrete cave
- QN 152 Yallock Creek Swamp Sediments

#### State

- ML 012 Green Gully (Taylors Creek)
- ML 016 The Organ Pipes
- ML 249 Altona Meadows active sand spits
- ML 308 Williamstown lava blister
- ML 375 Werribee River cliffs-floodplain sediments (Provisional)
- QN 019.2 Lyall Inlet to Bunyip River
- QN 023 Quail Island and Watson Inlet Area
- WL 088 Athlone-Lang Lang River Knickpoint

*Source: Sites of geological and geomorphological significance on public land. VEAC Metropolitan Melbourne Study 2008/9. Final Report May 2009.<sup>6</sup>*

#### Notes:

1. Sites are identified using an alpha-numeric code based on the 1:250 000 mapsheet areas issued by the Geological Society of Australia (Victoria Division) Heritage sub-committee (e.g. White et al. 2003).<sup>214</sup>
2. Significance assessments are undertaken by a reference panel of geological experts for GSA (Vic) Heritage Sub-committee. Assessment criteria include the rarity, representation and replication of features as well as site accessibility and management conditions.

## APPENDIX 3

### HISTORIC PLACES IN METROPOLITAN MELBOURNE WITH STRONG LINKS TO CONTEMPORARY ABORIGINAL PEOPLE

**Batman Treaty Site, Merri Creek** – The signing of two treaties in 1835 by John Batman with traditional owners for 500,000 acres around Melbourne and Corio Bay and 100,000 acres around Geelong and Indented Hill, probably took place on the Merri Creek, although the exact location is debatable and some have also suggested Edgars Creek and Darebin Creek.<sup>130,128</sup>

**Langhorne's Government Mission, Melbourne** – In 1837 the first government sponsored Aboriginal mission in Victoria was established on 895 acres south of the Yarra River under the management of George Langhorne. After the mission's closure, the buildings were briefly used by Assistant Protector William Thomas and Chief Protector George Robinson.<sup>130,217</sup> Four Aboriginal people were buried at the mission including 'Toollermaene' (1839) and Peter (1839).<sup>217</sup> The site, or 'Tromgin' as it was known to Aboriginal people, is now part of the Royal Botanic Gardens Melbourne near the ornamental lake and Anderson Street.

**Bolin Bolin Billabong, Bulleen Park** – Assistant Protector William Thomas observed that this was a popular meeting place for Woi Wurrung groups. The Bolin Swamp comprised a series of smaller lagoons used for seasonal eel catching.<sup>218</sup> Thomas observed that the area was of great significance to Aboriginal people and that they regularly camped on both the north and south sides of the curve in the Yarra River.<sup>130</sup>

**Merri Creek Protectorate 'Station', Yarra Bend Park** – The confluence of the Merri Creek and the Yarra River was a popular campsite for Aboriginal people. The area bounded by Heidelberg Rd, Merri Creek and the Yarra River was a government reserve from the late 1830s and used as barracks by the Native Police Corps from 1842. The Corps included many Aboriginal leaders whose family often camped nearby. In September 1842 around 500 people were camped at the unofficial 'station'.<sup>130</sup> Influenza dramatically reduced the population in 1847 and the remaining Woi Wurrung abandoned the site. Thomas moved to Moonee Ponds the same year and the 'station' closed.<sup>130</sup>

**Western District Protectorate Station, Dandenong Police Paddock Reserve, Narre Narre Warren** – The original headquarters for the Native Police Corps formed in October 1837 until they disbanded briefly in January 1838. The site was then used in 1840 by Assistant Protector William Thomas for his central Aboriginal Station as suitable for both the Woi Wurrung and Bun wurrung

groups.<sup>130</sup> Thomas and the residents huts, cleared, fenced and ploughed the land for crops. Thomas remained here 1842, when he moved to Merri Creek.

**Mt Macedon Protectorate Station, Yerrip Hills near Sunbury** – Yerrip Hills was the location of Assistant Protector Edward Stone Parker's first Protectorate station for Aboriginal people in the Mt Macedon District. Parker built a wattle and daub hut for his family at Yerrip Hills and ran sheep before moving further out into his district, near Daylesford. The site is north of Sunbury, adjacent to Jackson's Creek.<sup>219</sup>

**Home of George Augustus Robinson, South Yarra** – In 1840 Chief Protector Robinson bought 8 hectares of land along the south side of the Yarra River at the northern end of Chapel Street. Local Aboriginal people referred to the area as Ternee and often visited Robinson at his home. The Van Diemen's Land Aboriginal people he had brought with him from Flinders Island helped Robinson build his brick and stone house, and farm the surrounding land. At least two are thought to be buried on the site including Peter Brune (1843) and Rebecca (1841).<sup>217</sup>

**Old Melbourne Cemetery, Melbourne** – The earliest burials in Melbourne took place at Flagstaff Hill but the Old Melbourne cemetery was opened in 1837 on 10 acres bordered by Franklin, Peel, Queen and Fulton Streets. The cemetery was divided into Christian denominations with an area for Aboriginal burials. It is estimated that up to 10,000 people were buried there before the Melbourne General Cemetery opened in 1853. In 1878 the Queen Victoria Market took over part of the site and in the twentieth century nearly 1,000 bodies were exhumed and removed to Fawkner Crematorium and Memorial Park or the Melbourne General Cemetery.<sup>220</sup> The Aboriginal section of the cemetery is located near sheds F-J of the market close to Queen Street.<sup>131</sup>

**Gallows Hill, Melbourne** – In January 1842 two Van Diemen's Land Aboriginal men were executed at Gallows Hill near the Old Melbourne Goal in Russell Street.<sup>131</sup> The original gaol building was on the corner of Russell and La Trobe Streets and was built over between 1841-1844. Convicted of murdering two whalers in Western Port, Bob and Jack were captured by the Native Police Corps and Border Police.<sup>132</sup> Bob and Jack were the first people publicly hung in Melbourne and Chief Protector Robinson carried their bodies in his cart to be buried in the Old Melbourne Cemetery.<sup>134</sup>

**Pentridge Stockade, Coburg** – In 1850 Superintendent La Trobe constructed a stockade for the detainment of prisoners doing hard labour in anticipation of the newly separated Colony of Victoria taking responsibility for its own prisoners. The Native Police Corps performed undertake sentry duty around the stockade and supervised road gangs for eight months until August 1851.<sup>131,132</sup> The original wooden stockade buildings was transformed into the enclosed bluestone Pentridge Prison between 1857-1864 closed in 1997.

**Police Magistrate's Paddock, Yarra Park** – The Police Magistrate's paddock was bounded by Wellington Parade, Punt Road and the River, near the office of Police Magistrate William Lonsdale. After accusations of impropriety, Lonsdale moved the Native Police Corps headquarters to the Police Magistrate's paddock where he could monitor their activities more closely.<sup>132</sup> The Native Police barracks were near the corner of Punt Road and Wellington Parade.<sup>131</sup> Chief Protector George Augustus Robinson also had an office on this site in 1839 and Aboriginal groups continued to camp in the area until the 1850s.

**Old Supreme Court House, Melbourne** – The Chief Protector, George Augustus Robinson, ran the Chief Protector's Department from the Old Supreme Court House on the corner of Bourke and Kings Streets from 27 July 1843 until 1848.<sup>217,221</sup>

**Mordialloc Aboriginal Reserve, Attenborough Park** – The Mordialloc depot opened in 1852 encompassing 832 acres alongside the Mordialloc Creek and Port Phillip Bay at a popular Bun wurrung camping spot, to distribute supplies and food.<sup>222</sup> The site had been an Aboriginal burial ground since 1839.<sup>222</sup> The government eventually divided the area into smaller blocks of land offering them for sale in 1863.<sup>222</sup> Some Aboriginal people remained on part of the site until 1878 but when the reserve was revoked they were removed to Coranderrk Aboriginal Reserve.<sup>223</sup>

**Pound Bend Aboriginal Reserve, Warrandyte State Park** – The government created this reserve in 1841 and allocated 1,908 acres for Aboriginal people on the Yarra River at Pound Bend. The government revoked the area as an Aboriginal reserve in 1861.<sup>223</sup>

**Bayswater Boys' Home, The Basin** – Run by the Salvation Army, the Boys' Home opened in 1893 as a care facility for children. The Boys' home included 200 hectares of farmed land where children were trained 'to make them upright and intelligent members of the community.'<sup>137</sup> Under the Aboriginal protection legislation of 1886 and 1890, the government could remove 'neglected'

Aboriginal children from their parents and placed them in care. In practice the Board for the Protection of Aborigines could remove any child from their family without evidence of neglect.<sup>224</sup> In the late nineteenth century a small number of Aboriginal children were taken and placed with the Salvation Army's Bayswater Boys' Home on Basin-Olinda Rd or Albion Training School for Girls.<sup>137</sup>

**Menzies Boys' Home, Frankston** – 'The Ragged School Mission' was established on the corner of La Trobe and Exhibition Streets in 1865 (later moving to Frankston). Initially called the Minton Home for Boys, it was later named the Menzies Boy's Home.<sup>225</sup> The Menzies Boys' Home was a care facility in which the government placed some Aboriginal children after separating them from their families in the 1940s.<sup>224</sup>

**Bethesda Aboriginal Mission, Fitzroy** – In 1938 Sister Maude Ellis started a mission to Aboriginal people at 406 Fitzroy Street. A deaconess in the Methodist Church, Ellis ran church services and ministered to the poor offering assistance where possible. She also ran a kindergarten for Aboriginal children. The mission continued into the 1950s, although at some stage was moved to the Independence Hall on the corner of Fitzroy Street and Brunswick Place.<sup>137</sup>

**George Street Primary School, Fitzroy** – When Aboriginal people began to settle in areas such as Fitzroy, they sent their children to the local schools. In the early 1940s there were around 100 Aboriginal children attending the George Street Primary School.<sup>137</sup>

**Aboriginal Chapel, Fitzroy** – In 1943 Pastor Doug Nicholls began preaching on a Sunday to the local Aboriginal community of Fitzroy from the old Church of Christ Sunday school building at 258 Gore Street. Nicholls sought support from the Victorian Aborigines Committee of the Federal Aborigines Mission Board of the Church of Christ. The chapel became known as the Church of Christ Aborigines Mission and ran for the next 27 years.<sup>137,226</sup>

**Aboriginal Girls' Hostel, Northcote** – In 1958 Pastor Doug Nicholls opened a hostel for Aboriginal girls at an old Church of England vicarage at 56 Cunningham Street, Northcote. The hostel was run by the Girls' Hostel Committee, later the auxiliary committee of the Aborigines Advancement League. The hostel opened with twelve girls cared for by Henry and Amy Charles.<sup>226</sup>

**Aborigines Advancement League Offices, Northcote** – established in the same vicarage building as described at the Aboriginal Girls' Hostel, Northcote.

**Kings Domain Resting Place, Melbourne** – In 1985 the Koorie Community buried the skeletal remains of 38 Aboriginal people at a site in the Kings Domain near the Royal Botanical Gardens. The remains, previously held by the Melbourne Museum, were returned to the Koorie Community after legal action and ceremonially buried near the corner of Linlithgow Avenue and St Kilda Rd in the Kings Domain, under a large granite bolder. A memorial plaque acknowledges the tribal groups thought to be represented among the remains.<sup>131</sup>

**Aborigines Advancement League, Thornbury** – Under the Aboriginal Land (Aborigines Advancement League) (Watt Street, Northcote) Act (1982) the Aborigines Advancement League was given two acres of land in Watt Street for their headquarters. This was the first time freehold land had been given back to Aboriginal Victorians. In 1989 the League also took ownership of the adjacent Sir Douglas Nicholls recreational reserve.<sup>223</sup>

**Melbourne Museum, Carlton** – Under the Aboriginal Heritage Act (2006), the Victorian government gave Museum Victoria responsibility for looking after Aboriginal ancestral remains before they are returned to their communities.<sup>227</sup> Since the nineteenth century the Museum has held a significant collection of manuscripts, photographs and artefacts relating to south-eastern Aboriginal people. In July 2000 the Melbourne Museum opened Bunjilaka, an Aboriginal cultural centre and keeping place designed for the exhibition of these collections.

**Koorie Heritage Trust, Melbourne** – Originally housed in the Melbourne Museum, the Trust operated from a temporary home in Flinders Lane in 1999 before moving permanently to a new building at 295 King St in 2003.<sup>228</sup> The Trust originated in the 1980s from legal proceedings for the return of skeletal remains. Since then the Trust has gradually developed its own collection of Koorie cultural artefacts.

**Weeroona Aboriginal Cemetery, Greenvale** – The Weeroona Aboriginal cemetery reserve is adjacent to the Woodlands Historic Park in Greenvale. An Aboriginal Committee of Management maintains the cemetery. The site is significant to the Woi Wurrung people as an historic camping area and to the Gunung willam bulug, in particular, whose elder, Uncle Norm 'Wonga' Hunter, is buried there. The first burials took place on the site in 1993 and in 2003 the area encompassed 33 burials. Aboriginal skeletal remains are also sometimes interned in the Weeroona cemetery following repatriation.<sup>229</sup>

**Merri Creek Wurundjeri Trail, East Brunswick** – A walking track along the Merri Creek, the Wurundjeri Wander or Bunjil Discovery Trail includes part of the Community Environmental Park in Lee St, East Brunswick. The trail can be self-guided or directed through a representative of the Wurundjeri people and includes Kulin Nation Lookout, contemporary rock art and the Weroona Garden.<sup>131</sup>

**Brimbank Park, Keilor** – In the 1960s archaeologists found significant Aboriginal remains in what is now Brimbank Park on the Maribyrnong River. The Kulin Wetlands are protected and recognised through an Aboriginal cultural display at the park. The site also includes a native plant/indigenous food walking trail.<sup>131</sup>

**The Keelbundoora Scarred Tree and Heritage Trail, Bundoora** – This trail opened in May 2008 as a self-guided walk created to recognise and preserve the ecological and cultural significance of remaining vegetation on RMIT's Bundoora campus.<sup>230</sup> The creation of the trail was a joint project between RMIT's Ngarara Willim Indigenous Centre, Property Services, School of Art and School of Education, and the Wurundjeri Land Council and the City of Whittlesea, highlighting a rare stand of river red gums estimated to be around 800 years old including six scarred trees and three canoe trees.<sup>230</sup>

**Birrarung Marr, Melbourne** – The most recent public park established in Melbourne, Birrarung Marr is located on the north bank of the Yarra River adjacent to Federation Square. The 6.9 hectares park in central Melbourne has been extensively landscaped with over 200 native trees. The name derives from the Woi Wurrung 'Birrarung' or 'river of mists' and 'Marr' or 'side of the river.'<sup>231</sup> The park opened on Australia Day, 26 January, 2002 and is connected to Yarra Park and the Melbourne Cricket Ground via the William Barak Bridge.

*Source: Indigenous Cultural Heritage and History within the Metropolitan Melbourne Investigation Area.<sup>7</sup>*

## APPENDIX 4

### CULTURAL HERITAGE SITES AND PLACES OF INTERNATIONAL, NATIONAL AND STATE SIGNIFICANCE ON PUBLIC LAND IN THE INVESTIGATION AREA

ID	SITE NAME	PLACE TYPE
<b>World Heritage List</b>		
1131	Royal Exhibition Buildings and Carlton Gardens	Building and gardens
<b>National Heritage List</b>		
105708	Royal Exhibition Buildings and Carlton Gardens	Building and gardens
105885	Melbourne Cricket Ground	Sporting venue, grandstand
105922	Flemington Racecourse	Sporting venue
105743	Sidney Myer Music Bowl	Park, gardens, outdoor venue
<b>Victorian Heritage Register</b>		
<b>Banyule</b>		
H0617	Napier Waller House	House
H1396	Viewbank Homestead	Homestead
H1617	Former Head Teachers Residence Heidelberg Primary School	Staff housing
<b>Bayside</b>		
H0269	Railway Gates New Street Brighton	Railway gate/fence/wall
H1077	Brighton Beach Railway Station	Railway platform/station
H1561	Middle Brighton Railway Station Complex	Railway platform/station
H2023	Sir Thomas Bent Statue	Statue/memorial
H2206	Former Old Melbourne Gaol Burial Markers	Cemetery/graveyard/burial sites
<b>Boroondara</b>		
H0049	Boroondara General Cemetery	Cemetery/graveyard/burial sites
H0055	Kew East Baby Health Centre	Infant welfare centre
H0173	Tram Shelter Cotham Road	Tramway station/waiting shed
H0380	Wallen Road Bridge Hawthorn	Road bridge
H0517	Former Invergowrie Lodge	House
H0522	Springthorpe Memorial – Boroondara General Cemetery	Memorial/monument
H0876	Former Hawthorn Tramways Trust Depot	Tramway – urban
H0890	Glenferrie Oval Grandstand	Grandstand
H1194	Camberwell Court House & Police Station	Court house
H1327	Former Hawthorn Fire Station	Fire station
H1559	Auburn Railway Station Complex	Railway platform/station
H1566	Hawthorn Railway Station Complex	Railway platform/station
H1630	Glenferrie Primary School	School – state (public)
H1671	Glenferrie Railway Station Complex	Railway platform/station
H1707	Auburn Primary School	School – State (public)
H2036	Cussen Memorial Boroondara Cemetery	Cemetery/graveyard/burial sites
H0374	Victoria Bridge	Road bridge
H1522	Dights Mill Site	Mill (grain)
H2035	Kew War Memorial	War memorial
H0050	Hawthorn Bridge	Road bridge

ID	SITE NAME	PLACE TYPE
<b>Brimbank</b>		
H0667	Massey Ferguson Complex (Part)	Factory/plant
H1427	Bridge over Maribyrnong River, near Calder Highway, Keilor	Road bridge
H1953	HV Mckay Memorial Gardens and Footbridge – Sunshine	Parks, gardens
H1952	Trestle Bridge Arundel Road - Keilor	Road bridge
H1197	Railway Bridge (Albion Viaduct) over Maribyrnong River between Jacana and Albion Stations – Keilor East	Railway bridge/viaduct
<b>Cardinia</b>		
H1852	Bayles Bridge No.1 & 2	Road bridge
H2012	Kurth Kiln (Cardinia)	Forestry and timber industry
H2025	Bunyip Railway Sub Station	Railway platform/station
<b>Darebin</b>		
H1872	Former Mont Park Hospital and Avenue Of Honour	Hospital
H2031	Tramway Workshops Miller Street – Preston	Tramway – urban
<b>Glen Eira</b>		
H0174	Tram Shelter Balaclava Road	Tramway station/waiting shed
H0227	Grand Union Tramway Junction	Tramway – urban
H0230	Tram Shelter Dandenong Road	Tramway station/waiting shed
H0614	Rippon Lea (Part)	Mansion
H1665	Caufield Railway Station Complex	Railway platform/station
H1708	Caufield South Primary School	School – State (public)
<b>Hobsons Bay</b>		
H0927	Dressing Pavilion – Williamstown	Pavilion
H1000	Former Newport Railway Workshops	Tramway – urban
H1088	Gellibrand & Breakwater Piers	Pier/jetty
H1512	Former Morgue – Ann St Williamstown	Morgue/mortuary
H1513	Tide Gauge House	Tide gauge house
H1555	Spotswood Sewerage Pumping Station	Sewerage pump house/pumping station
H1599	Williamstown Railway Station Complex	Railway platform/station
H1639	Williamstown Primary School	School – State (public)
H1649	Time Ball Tower – Williamstown	Lighthouse
H1733	Wilkinson Memorial Drinking Fountain	Drinking fountain
H1790	Melbourne Harbour Trust Stores & Workshops	Port facility
H1803	Williamstown Botanical Gardens	Parks, gardens
H1811	Fort Gellibrand	Defence battery
H1837	Williamstown Cemetery	Cemetery/graveyard/burial ground
H1885	Blunts Boatyard & Slipway	Boat building
<b>Hume</b>		
H0275	Rupertswood	Mansion
H0937	Caloola	Asylum, industrial school
H1426	Bluestone Road Bridge Over Jackson Creek	Road bridge
H1441	Kismet Creek Rail Bridge	Railway platform/station
H1455	Fawkner St Bridge over Moonee Ponds Creek	Road bridge
H1612	Woodlands Homestead	Homestead complex
H1673	Water Tower – Sunbury	Railway water tower

ID	SITE NAME	PLACE TYPE
H1692	Jacksons Creek Rail Bridge	Railway bridge/viaduct
H1694	Riddell Rd Bridge over Railway	Road bridge
H1964	Railway Bridge Sunbury Hill	Railway bridge/viaduct
	Kingston	
H0928	Market Gardeners Tram Plateway – Mentone	Equipment and objects
H2099	Mentone Railway Station And Gardens	Railway platform/station
<b>Manningham</b>		
H1260	Pound Bend	Water diversion tunnel
H1395	Pontville	Homestead complex
H1494	Heide II	Art gallery/museum; parks, gardens
<b>Maribyrnong</b>		
H0183	Henderson House – Footscray	House
H1028	Interlocked Railway Crossing Gates	Railway platform/station
H1213	Rail Bridge Over Maribyrnong River	Railway platform/station
H1218	Maribyrnong Town Hall	Hall – Town Hall
H1220	Footscray Park	Parks, gardens; monuments/memorials
H1343	Kariwara District Scout Headquarters	Hall – girl guide/scout
H1397	Saltwater River Crossing & Footscray Wharves Precinct	Boat shed
H1503	Pipe Makers Park Complex	Factory/plant
H1563	Footscray Railway Station Complex	Railway platform/station
H1713	Footscray Primary School	School – State (public)
<b>Maroondah</b>		
H0054	Croydon Baby Health Centre	Infant welfare centre
H1587	Ringwood Railway Station	Railway platform/station
<b>Melbourne</b>		
H0021	Newman College	Tertiary college
H0042	Former Melbourne Meat Market	Market
H0047	Gordon Reserve - Melbourne	Parks, gardens; statue
H0194	Womens Christian Temperance Union Drinking Fountain	Memorial/monument
H0366	Marquis Of Linlithgow Statue	Memorial/monument
H0369	Queen Victoria Memorial	Memorial/monument
H0373	Royal Society Of Victoria	Community facilities – hall/friendly society
H0382	Boer War Monument	Memorial/monument
H0466	City Baths	Swimming, baths
H0520	Horticultural Hall	Social club/meeting place
H0526	Robur Tea Building 28 Clarendon Street	Warehouse
H0634	Victorian Artists Society	Social club/meeting place
H0646	Princes Walk Vaults	Retaining wall, shop
H0663	Trades Hall	Hall trades
H0682	Melbourne University Boat Club Shed	Boat shed
H0717	Former Royal Australian Army Medical Corps Training Depot	Defence
H0770	Former Royal Mint	Mint
H0848	Shrine of Remembrance	War memorial
H0849	Former Grand Rank Cabmans Shelter	Cabman's shelter
H0891	Cargo Sheds & Wharves	Coastal warehouse
H0912	Police Garage, Melbourne	Other – law enforcement

ID	SITE NAME	PLACE TYPE
H0932	Retaining Wall Flinders Street	Railway/gate/fence/wall
H0945	Old Mens Shelter	Meeting place
H0956	Former Queen Victoria Hospital Tower Etc	Hospital
H0970	Former Queensberry Street Primary School	School
H0988	Former Cable Tram Engine House North Melbourne	Engine house
H0994	Sandridge Railway Line Bridge	Railway bridge/viaduct
H1002	Royal Victorian Institute For The Blind	Deaf, dumb and blind institute
H1025	Tasma Terrace	Residential
H1042	Eastern Hill Fire Station	Fire station
H1045	Beaurepaire Centre	Swimming pool/baths
H1047	Former Customs House – Melbourne	Customs house
H1064	Carousel	Carousel; tourist attraction
H1074	Royal Melbourne Zoological Gardens	Zoo
H1076	La Trobes Cottage	Residential
H1083	Flinders Street Railway Station Complex	Railway platform/station
H1087	Former Observatory Site	Observatory
H1096	Duke & Orrs Dry Dock	Dock/dry dock/graving dock
H1211	Queens Warehouse	Warehouse/storage area
H1317	Federal Oak, Parliament House Gardens	Tree
H1329	Royal Agricultural Showgrounds	Showground
H1363	Yarra Bank	Meeting place
H1430	Former Newmarket Saleyards & Abattoirs	Stock/saleyard
H1440	Morrell Bridge	Road bridge
H1447	Princes Bridge	Road bridge
H1448	Queens Bridge	Road bridge
H1459	Royal Botanic Gardens	Parks, gardens
H1467	Carlton Court House	Court house
H1476	Federal Court Of Australia	Law court
H1477	Library Of The Supreme Court	Other – law enforcement
H1478	Supreme Court Annexe	Law court
H1496	Missions To Seamen	Welfare/hall
H1497	State Library Of Victoria	Library
H1499	National Gallery Of Victoria	Art gallery/museum
H1500	Victorian Arts Centre	Entertainment centre
H1501	Royal Exhibition Buildings And Carlton Gardens	Exhibition
H1506	RMIT Building No. 9, La Trobe Street	Education – training college
H1507	William Angliss College	School – technical
H1514	Law Courts	Law court
H1526	Treasury Reserve Precinct	Government administration
H1541	Former Victorian Police Depot	Other – law enforcement
H1545	Former Police Station Complex – Parkville	Police station
H1553	Old Melbourne Gaol	Gaol/lock up, art gallery/museum
H1582	North Melbourne Railway Station Complex	Railway platform/station
H1585	Womens Sports Dressing Pavilion	Pavilion
H1619	Airlie, Former Police College, South Yarra	Mansion
H1620	Government House Complex	Government administration

ID	SITE NAME	PLACE TYPE
H1624	Carlton Primary School No. 2605	School – State (public)
H1625	Kathleen Syme Education Centre	School – State (public)
H1633	Melbourne College of Printing & Graphic Arts	School – technical
H1646	Emily Mcpherson College	School – technical
H1686	Tramway Signal Cabin, Waiting Shelter And Conveniences	Tramway station/waiting shed
H1720	Victoria Dock	Dock/dry dock/graving dock
H1722	Parliament House (including grounds, works and fences)	Government administration
H1724	Royal Eye & Ear Hospital Aubrey Bowen Wing	Hospital
H1725	North West Hospital Parkville Campus	Orphanage
H1747	Anzac Hall	Hall RSL
H1772	Sidney Myer Music Bowl	Theatre, stage
H1788	Melbourne General Cemetery	Cemetery/graveyard/burial sites
H1798	Berth No. 5 North Wharf	Goods shed/crane
H1834	Fitzroy Gardens	Parks, gardens; Monuments and memorials
H1868	Tram Shelter	Tramway station/waiting shed
H1870	Tram Shelter	Tramway station/waiting shed
H1887	Treasury Gardens	Parks, gardens
H1920	Northern Market Reserve Wall	Market
H1928	Melbourne Cricket Ground	Grandstand
H1946	Walmsley House - Royal Park Rangers Cottage	Government/administration
H1977	Former Olympic Pool	Swimming pool/baths
H2002	Ola Cohn House	Private studio/outbuilding
H2041	Flagstaff Gardens	Parks, gardens; Monuments and memorials
H2062	Former Royal Park Psychiatric Hospital	Psychiatric hospital/mental institute/asylum
H2108	Underground Toilets Russell Street	Public lavatory
H2109	Underground Toilets Queen Street	Public lavatory
H2110	Underground Toilets GPO Elizabeth Street	Public lavatory
H2111	Underground Toilets Elizabeth Street/Victoria Market	Public lavatory
H2116	Polly Woodside	Vessel – seagoing
H2122	Former Victorian Deaf & Dumb Institution	Deaf, dumb and blind institute
H2133	Underground Public Toilets King Street	Public lavatory
H2134	Underground Public Toilet Faraday Street	Public lavatory
H2137	Cast Iron Urinal Queensberry Street 1	Public lavatory
H2138	Cast Iron Urinal Queensberry Street 2	Public lavatory
H2139	Cast Iron Urinal Queensberry Street 3	Public lavatory
H2140	Cast Iron Urinal Latrobe Street	Public lavatory
H2148	Underground Public Toilet Flinders Street	Public lavatory
H2149	Cast Iron Urinal Nicholson Street	Public lavatory
H2183	University High School	School – State (public)
H2198	Royal Parade	Road
<b>Monash</b>		
H1084	Clayton North Primary School	School – State (public)
H1667	Clayton Railway Station	Railway platform/station
<b>Moonee Valley</b>		
H0844	Flemington Police Station and Lock-Up	Police station

ID	SITE NAME	PLACE TYPE
H1051	Former Moonee Ponds Court House	Court house
H1078	Former Curators Cottage	Parks, gardens
H1199	Railway Sub Station	Railway platform/station
H1200	Canary Island Date Palm Avenue	Tree groups – avenue
H1215	Essendon Tramway Depot	Tramway depot – urban
H1294	Former Essendon High School	School – State (public)
H1295	Former Essendon Technical School	School – State (public)
H1321	Infant Building Moonee Ponds West Primary School	School – State (public)
H1562	Essendon Railway Complex	Railway platform/station
<b>Moreland</b>		
H0916	Brunswick Fire Station & Flats	Fire station
H0952	Upfield Railway Line	Railway platform/station
H1198	Bridge Over Merri Creek	Road bridge
H1446	Newlands Road Bridge Over Merri Creek	Road bridge
H1551	Pentridge Prison (Part)	Cemetery gates/fences
H1709	Infant Building & Shelter Shed – Coburg Primary School	School – State (public)
<b>Nillumbik</b>		
H0784	Eltham Court House	Court house
H1539	Former Police Quarters – Eltham	Staff accommodation
<b>Port Phillip</b>		
H0217	Jubilee Memorial Drinking Fountain At South Melbourne Town Hall	Memorial/monument
H0938	Luna Park – St Kilda	Amusement centre/arcade
H0947	Palais Theatre	Theatre
H0981	Princes Pier	Pier/jetty
H0982	Leading Lights, Hobsons Bay & Port Melbourne	Leading lights
H0983	Port Melbourne Railway Station	Railway platform/station
H0984	Station Pier Northern Section	Pier/jetty
H0985	Station Pier Southern Section	Pier/jetty
H1081	St Kilda Cemetery	Cemetery/graveyard/burial ground
H1291	St Vincent Place Precinct	Other – urban area
H1364	All Saints Church Hall & Former Vicarage	Church hall
H1374	South African Soldiers Memorial	War memorial
H1375	South African War Memorial	War memorial
H1378	Naval Drill & Former Post Office	Defence and post office
H1486	South Melbourne Court House & Police Station	Court house
H1531	Former St Vincent De Pauls Girls Orphanage	Orphanage
H1533	St Kilda Pavilion	Pavilion
H1534	Kerferd Road Pier	Pier/jetty
H1558	Albert Park Railway Station Complex	Railway platform/station
H1588	Ripponlea Railway Station Complex	Railway platform/station
H1593	South Melbourne Railway Station Complex	Railway platform/station
H1629	Albert Park Primary School	School – State (public)
H1637	St Kilda Primary School No. 2460	School – State (public)
H1641	MacRobertson Girls High School	School – State (public)
H1711	Middle Park Primary School	School – State (public)

ID	SITE NAME	PLACE TYPE
H1712	St Kilda Primary School	School – State (public)
H1719	Former St Kilda Railway Station Complex	Railway platform/station
H1735	Port Melbourne Band Rotunda	Memorial/monument
H1804	St Kilda Botanical Gardens	Parks, gardens
H1805	Catani Gardens – St Kilda	Parks, gardens
H1867	St Kilda Road Tram Shelter 2	Tramway station/waiting shed
H1869	St Kilda Road Tram Shelter 1	Tramway station/waiting shed
H1913	St Kilda Bowling Club	Bowling green
H2170	St Vincent De Paul's Boys' Orphanage	Orphanage
H2080	St Kilda Street Bridge Over Elwood Canal	Road bridge
H1023	Ornamental Tramway Overhead Poles	Railway machinery and objects
<b>Stonnington</b>		
H0175	Tram Shelter Toorak Station	Tramway station/waiting shed
H0203	Prahran Town Hall	Town hall
H0519	Prahran Fire Station	Fire station
H0542	Former Police Station & Court House	Court house
H0910	Malvern Tram Depot	Tramway depot
H1068	Former South Yarra Railway Station	Railway platform/station
H1575	Malvern Railway Station	Railway platform/station
H1600	Windsor Railway Station Complex	Railway platform/station
H1636	Melbourne High School	School – State (public)
H1640	Armadale Primary School	School – State (public)
H1710	Malvern Primary School	School – State (public)
H1917	Church Street Bridge	Road bridge
<b>Whitehorse</b>		
H0904	Wattle Park	Picnic ground/recreation reserve
H0975	Former Burwood Primary School No. 461	School – State (public)
H2045	Box Hill Cemetery Columbarium & Myer Memorial	Cemetery/graveyard/burial sites
<b>Whittlesea</b>		
H0958	Summerhill Complex	Homestead complex
H1417	Yan Yean Caretakers Cottage	Cottage
H1418	Flume Over Plenty River – Mernda	Water flume
H1420	Bears Castle	Folly/parks, gardens
H1717	Whittlesea Primary School	School – State (public)
<b>Wyndham</b>		
H1309	Werribee Railway Station	Railway platform/station
H1416	Water Tank – Western Treatment Plant	Water tank
H1509	Point Cook Homestead & Stables	Homestead complex
H1572	Little River Railway Station & Goods Yard	Railway platform/station
H1613	Werribee Park	Homestead complex
H1884	Werribee Satellite Aerodrome	Defence base airforce
H1957	Geodetic Survey Baseline – South Base Stone – Hoppers Crossing, and North Base Stone	Exploration, survey and events
H1961	State Research Farm	School – agricultural
H1932	Main Outfall Sewer	Sewage aqueduct
<b>Yarra</b>		
H0584	Former Cable Tram Engine House	Engine house

ID	SITE NAME	PLACE TYPE
H0718	North Carlton Cable Tram Engine House And Car Shed	Engine house
H0751	Fitzroy Cricket Ground Grandstand	Grandstand
H0954	Dolls House – Collingwood	Cottage
H1552	Former Fairlea Womens Prison	Prison
H1610	Former Gas Inspectors Residence	House; other – utilities (gas)
H1621	Clifton Hill Primary School	School – State (public)
H1626	Carlton Stockade Primary School	School – State (public)
H1634	Richmond Primary School (Cremorne Street)	School – State (public)
H1635	Richmond Primary School (Buckingham Street)	School – State (public)
H1668	Clifton Hill Railway Station Complex	Railway platform/station
H1878	Former Fairfield Hospital	Hospital
H2052	Burnley Gardens	Parks, gardens; gardens – institutional, research; school – agricultural
H2055	Keith Haring Mural	Mural

Source: *Non-Indigenous cultural heritage and historic places on public land in VEAC's Metropolitan Melbourne Investigation Area September 2009.*<sup>8</sup>

**Note:**

1. ID refers to identification number of the heritage site as provided by relevant heritage council or body.

## APPENDIX 5

### PROTECTED AREAS IN THE METROPOLITAN MELBOURNE INVESTIGATION AREA

PROTECTED AREA	MUNICIPALITY	AREA (HA) <sup>a</sup>
<b>National park</b>		
Churchill National Park	Casey	272.0
Dandenong Ranges National Park (part)	Knox	17.0 (total 3,540)
Kinglake National Park	Nillumbik, Whittlesea	10,026.0 (total 22,430)
Organ Pipes National Park	Brimbank, Hume	153.0
<b>State park</b>		
Bunyip State Park (part)	Cardinia	13,075.0 (total 16,655)
Lerderderg State Park (part)	Melton	646.0 (total 20,180)
Warrandyte State Park	Manningham, Nillumbik	681
<b>Marine national park and sanctuary</b>		
Jawbone Marine Sanctuary (part)	Hobsons Bay	4.0 (total 30)
Yaringa Marine National Park (part)	Casey	89.5 (total 980)
<b>Private protected area (Trust for Nature)</b>		
Bungalook Conservation Reserve	Maroondah	2.1
Dexter's Bush	Maroondah	0.9
Eltham Copper Butterfly Reserve	Nillumbik	0.7
Harbury	Cardinia	22.4
Uambi	Maroondah	3.7
Willis Nature Park	Nillumbik	81.7
<b>Nature conservation reserve</b>		
Adams Creek Nature Conservation Reserve	Cardinia	57.5
Altona Nature Conservation Reserve	Hobsons Bay	5.4
Angliss Native Grasslands	Wyndham	22.4
Banchory Grove Nature Conservation Reserve	Melton	21.9
Beaconsfield Nature Conservation Reserve	Cardinia	171.8
Boomers Nature Conservation Reserve (C28)*	Nillumbik	27.8
Cairnlea Estate Grassland Reserve	Brimbank	37.5
Cardinia Creek Nature Conservation Reserve	Cardinia	34.3
Central Creek Grasslands Reserve	Darebin	7.0
Cherry Street Grasslands	Darebin	13.6
Cooper Street Grasslands	Darebin, Hume, Whittlesea	117.1
Craigieburn Grassland	Hume, Whittlesea	343.9
Cranbourne Wetlands	Casey	25.1
Deer Park Grasslands	Melton	95.2
Derrimut Grasslands	Brimbank	164.9
Gilbertson Grassland	Brimbank	10.2

PROTECTED AREA	MUNICIPALITY	AREA (HA)^
Gresswell Forest Wildlife Reserve	Darebin	46.1
Gresswell Habitat Link	Darebin	17.1
Gresswell Hill Reserve	Darebin	8.9
Hochkins Ridge Flora Reserve	Maroondah	18.7
Holden Flora Reserve	Hume	90.7
Jawbone Flora and Fauna Reserve	Hobsons Bay	20.7
Langwarrin Flora and Fauna Reserve	Frankston	215.5
Laverton North Grasslands	Hobsons Bay	48.5
Long Forest Flora and Fauna Reserve (part)	Melton	31.2
		(total 510)
Melton Gilgai Woodlands	Melton	33.2
Mount Cottrell Nature Conservation Reserve	Melton	44.3
Mount Derrimut Nature Conservation Reserve	Brimbank	30.0
Mount Ridley Grasslands	Hume	132.4
Nillumbik Native Flora Reserve (G139)*	Nillumbik	1.1
North Western Port Nature Conservation Reserve (part) (C14)*	Casey, Cardinia	680.4
		(total 715)
Pauline Toner Butterfly Reserve	Nillumbik	2.1
Queenstown Native Flora Reserve	Nillumbik	1.6
Smiths Gully and Peter Franke Nature Conservation Reserve	Nillumbik	15.4
St Andrews Nature Conservation Reserve	Nillumbik	11.1
Sweetwater Creek Reserve (Yuille and Foot Streets)	Frankston	0.15
The Pines Flora and Fauna Reserve	Frankston	247.7
Upper Beaconsfield (Critchley Parker Junior) Reserve	Cardinia	34.6
Warrandyte Wildflower Reserve	Manningham	0.9
Warrandyte-Kinglake Nature Conservation Link	Nillumbik	655.9
Yellingbo State Nature Reserve (part)	Cardinia	1.9
		(total 290)
<b>Natural features reserve – Natural and scenic features area</b>		
Bulla Landscape Preservation Reserve	Hume	5.0
<b>Natural features reserve – Streamside area</b>		
Altona Meadows Natural Features Reserve	Hobsons Bay	20.5
Bulla Bulla Streamside Reserve (K52)*	Hume	0.94
Bunyip Streamside Reserve	Cardinia	4.7
Cannibal Creek Streamside Reserve (G25)*	Cardinia	63.0
Cobbledicks Ford Streamside Reserve	Wyndham	25.2
Jacksons Creek Streamside Reserve (K39)*	Hume	10.1
Kororoit Creek (Clarke Road) Streamside Reserve (K35)**	Melton	7.7
Kororoit Creek (Holden Road) Streamside Reserve	Melton	12.8
Kororoit Creek (Melton Highway) Streamside Reserve	Melton	1.9
Mernda Streamside Reserve	Whittlesea	5.5
Werribee River Streamside Reserve	Melton	5.5

PROTECTED AREA	MUNICIPALITY	AREA (HA)^
<b>Natural features reserve – Bushland area</b>		
Baxter Park (Baxters Flat) Bushland Area	Frankston	21.1
Bradshaw Reserve (Parkdale)	Kingston	1.7
Bunarong Park (Frankston)	Frankston	9.6
Bunyip Bushland Reserve (G212)*	Cardinia	0.4
Burke Road Billabong	Boroondara	8.0
Chapmans Road Reserve (Toolern Vale)	Melton	3.5
Clematis Park (Emerald)	Cardinia	1.5
Cockatoo Natural Interest Reserve	Cardinia	2.3
Eltham Water Supply Reserve (G143)*	Nillumbik	1.6
Hogan Park Bushland Reserve (Emerald)	Cardinia	2.1
Forensic Drive Reserve (Macleod)	Darebin	2.4
Frankston Reservoir Natural Features Reserve	Frankston	90.6
Garden Estate (Cockatoo)	Cardinia	8.3
Garfield Bushland Reserve	Cardinia	0.8
Gembrook (Bessie Creek Rd) Bushland Reserve	Cardinia	11.4
Gembrook (Blackwood Lane) Bushland Reserve (G205)*	Cardinia	3.8
Gembrook (Boyd Rd) Bushland Reserve	Cardinia	4.0
Gembrook (Mann Rd) Bushland Reserve	Cardinia	20.5
Gembrook (Shepherd Creek West) Bushland Reserve (G203)*	Cardinia	1.6
Gembrook Park Bushland Reserve (G204)*	Cardinia	24.7
Gilwell Park Bushland Reserve (G179)*	Cardinia	73.5
Haileybury College Camp Site (Wright Forest, Cockatoo) (G202)*	Cardinia	3.5
Heath Hill Conservation Reserve	Cardinia	10.1
Kalinda Urban Forest (Ringwood)	Maroondah	4.4
Kangaroo Ground South Bushland Reserve (Henley) (G151)*	Nillumbik	0.7
Kinglake West Bushland Reserve	Whittlesea	2.1
Koolunga Native Reserve (part)	Knox	0.4
Lang Lang Bushland Reserve (I96)*	Cardinia	11.4
Langwarrin Bushland Reserve	Frankston	1.7
Long Gully Bushland Reserve (G146)*	Nillumbik	7.5
Long Hollow Heathland (Beaumaris)	Bayside	2.4
Lower Eltham Park Flora Reserve (G136)*	Nillumbik	4.9
Mount Majestic Bushland Reserve	Cardinia	3.4
Nar Nar Goon Bushland Reserve	Cardinia	18.2
Neil Douglas Reserve	Nillumbik	9.5
Pakenham Bushland Reserve	Cardinia	11.2
Panton Hill (Bakehouse Rd) Bushland Reserve (G145)*	Nillumbik	2.2
Panton Hill (Merritts Rd) Bushland Reserve (G144)*	Nillumbik	0.8
Plenty Gorge Bushland Reserve (South Morang)	Whittlesea	8.5
Queenstown Bushland Reserve	Nillumbik	40.2
Research (Reynolds Rd) Bushland Reserve (G138)*	Nillumbik	0.8

PROTECTED AREA	MUNICIPALITY	AREA (HA) <sup>^</sup>
RJ Chambers 'Flora and Fauna' Reserve	Cardinia	112.0
Seaford Wetlands (Crown land only)	Frankston	21.0
Smiths Gully Bushland Reserve (G147)*	Nilumbik	0.8
Smiths Gully (Joyces Rd) Bushland Reserve	Nilumbik	0.5
St Andrews Bushland Reserve	Nilumbik	4.7
St Andrews Protected Forest	Nilumbik	20.9
Stoney Creek Bushland Reserve (Beaconsfield Upper)	Cardinia	5.9
Symonds Road Bushland Reserve (Avonsleigh)	Cardinia	2.0
Temple Ridge Reserve (Wattle Glen) (G141)*	Nilumbik	7.1
Warneet (Balaka St) Bushland Reserve	Casey	2.5
Warneet (Iluka St) Bushland Reserve	Casey	1.4
Warneet Nature Reserve	Casey	3.7
Wattle Creek Bushland Reserve (Avonsleigh)	Cardinia	1.7
Weeroona Aboriginal Cemetery bushland buffer	Hume	12.4
Wright Forest (Avonsleigh) (G202)*	Cardinia	111.1
Yangardook Bushland Reserve (I108)*	Melton	50.0
Yering Gorge Bushland Reserve (G60)*	Nilumbik	70.1
<b>Reference area</b>		
Diamond Creek Reference Area (Bunyip State Park)	Cardinia	330.0
Disappointment Reference Area (Kingleake National Park)	Whittlesea	1,090.0
Joey Creek Reference Area (Kingleake National Park)	Whittlesea	250.0
Yan Yean (north) Reference Area (Yan Yean water production area)	Whittlesea	100.0
Yan Yean (south) Reference Area (Yan Yean water production area)	Whittlesea	300.0
<b>Heritage river</b>		
Yarra River Heritage River (part overlays Warrandyte State Park)	Nilumbik, Manningham	285.0 (total 335.0)
Yarra River Heritage River (part overlays other public land, mostly water frontages)	Nilumbik, Manningham	50.0 (total 335.0)

<sup>^</sup> Total area for protected area is shown in brackets where it extends beyond the investigation area.

\* These sites are not formally reserved, but are managed in accordance with the government approved Land Conservation Council recommendation. The bracketed letter/number (e.g. G60) refers to the relevant LCC recommendation.<sup>151-153</sup>

\*\* The beds and banks of Kororoit Creek (Clarke Road) are not reserved.

## APPENDIX 6

### PUBLIC OPEN SPACE INVENTORY DATA

#### Public open space categories in metropolitan Melbourne

INVESTIGATION AREA		
CATEGORY	AREA (HA)	PROPORTION OF TOTAL PUBLIC OPEN SPACE (%)
Protected area	30,814.6	45.9
Nature-based recreation area	11,454.7	17.1
Multiple-purpose area	9,017.0	13.4
Parkland and garden	6,858.9	10.2
Organised recreation area	8,019.9	11.9
Service and utilities area	978.6	1.5
Civic square and promenade	6.1	0.01
<b>Total</b>	<b>67,149.8</b>	<b>100</b>
WITHIN URBAN GROWTH BOUNDARY		
CATEGORY	AREA (HA)	PROPORTION OF TOTAL PUBLIC OPEN SPACE (%)
Protected area	1,898.2	8.6
Nature-based recreation area	3,355.1	15.2
Multiple-purpose area	3,839.3	17.4
Parkland and garden	5,678.7	25.7
Organised recreation area	6,557.9	29.6
Service and utilities area	792.5	3.6
Civic square and promenade	5.7	0.03
<b>Total</b>	<b>22,127.3</b>	<b>100</b>

**Notes:**

1. Table 6.1 in chapter 6 provides a definition of each category of public open space in the investigation area.
2. I – inner; M – middle; O – outer; G – growth municipality
3. ‘Within urban growth boundary’ refers to those areas within the urban growth boundary that are also in the investigation area.

### Proportion of public open space in each municipality

MUNICIPALITY	INVESTIGATION AREA		WITHIN URBAN GROWTH BOUNDARY	
	AREA (HA)	PROPORTION OF MUNICIPAL AREA (%)	AREA (HA)	PROPORTION OF MUNICIPAL AREA (%)
Banyule (M)	905.0	15.2	905.0	15.2
Bayside (M)	443.7	11.9	443.7	11.9
Boroondara (M)	580.1	9.6	580.1	9.6
Brimbank (O)	1,871.9	20.8	1,702.9	19.7
Cardinia (G)	20,031.9	42.9	419.8	5.4
Casey (G)	4,055.4	20.4	2,112.8	9.9
Darebin (M)	781.7	15.6	781.7	15.6
Frankston (O)	1,618.8	16.3	776.0	9.7
Glen Eira (M)	180.5	4.7	180.5	4.7
Greater Dandenong (O)	918.1	11.7	500.7	8.0
Hobsons Bay (M)	1,402.2	24.4	900.9	17.5
Hume (G)	3,159.9	17.5	1,809.5	10.2
Kingston (M)	1,243.3	16.6	731.8	12.5
Knox (O)	1,804.9	18.0	1,164.8	13.2
Manningham (M)	2,040.0	24.8	1,096.8	15.8
Maribyrnong (M)	262.7	10.1	262.7	10.1
Maroondah (O)	616.6	11.3	596.8	11.0
Melbourne (I)	569.4	16.6	569.4	16.6
Melton (G)	2,171.6	15.7	829.1	4.6
Monash (M)	776.2	9.9	776.2	9.9
Moonee Valley (M)	518.8	12.2	518.8	12.2
Moreland (M)	495.2	10.3	495.2	10.3
Nillumbik (O)	8,488.6	60.1	343.2	9.5
Port Phillip (I)	390.6	20.2	390.6	20.2
Stonnington (I)	172.3	6.7	172.3	6.7
Whitehorse (M)	644.6	10.4	644.6	10.4
Whittlesea (G)	8,175.4	39.3	1,214.1	8.9
Wyndham (G)	2,527.6	10.7	904.5	5.1
Yarra (I)	302.8	16.2	302.8	16.2
<b>Total</b>	<b>67,149.8</b>	<b>17.9</b>	<b>22,127.3</b>	<b>11.4</b>

**Notes:**

1. I – inner; M – middle; O – outer; G – growth municipality
2. 'Within urban growth boundary' refers to those areas within the urban growth boundary that are also in the investigation area.
3. 'Municipal area' excludes industrial, agricultural and green wedge areas.

## Public open space ownership in the investigation area

MUNICIPALITY	AREA (HA)			
	Crown	Public authority	Municipal	Total
Banyule (M)	306.8	9.2	589.0	905.0
Bayside (M)	179.2	1.2	263.3	443.7
Boroondara (M)	157.1	11.7	411.4	580.1
Brimbank (O)	781.6	68.5	1,021.7	1,871.9
Cardinia (G)	18,786.2	263.4	982.3	20,031.9
Casey (G)	2,310.8	487.2	1,257.4	4,055.4
Darebin (M)	317.6	42.2	421.9	781.7
Frankston (O)	941.5	149.9	527.4	1,618.8
Glen Eira (M)	63.7	0.1	116.7	180.5
Greater Dandenong (O)	121.7	344.4	451.9	918.1
Hobsons Bay (M)	783.6	271.4	347.1	1,402.2
Hume (G)	1,416.9	201.1	1,541.8	3,159.9
Kingston (M)	514.4	252.8	476.0	1,243.3
Knox (O)	852.3	174.9	777.7	1,804.9
Manningham (M)	1,271.9	38.1	730.0	2,040.0
Maribyrnong (M)	118.4	1.7	142.6	262.7
Maroondah (O)	60.8	53.9	502.0	616.6
Melbourne (I)	539.2	1.2	28.9	569.4
Melton (G)	1,007.3	11.4	1,152.9	2,171.6
Monash (M)	256.6	55.1	464.5	776.2
Moonee Valley (M)	160.2	17.1	341.5	518.8
Moreland (M)	39.5	51.4	404.4	495.2
Nillumbik (O)	7,718.2	59.2	711.3	8,488.6
Port Phillip (I)	380.1	0.1	10.5	390.6
Stonnington (I)	25.2	4.9	142.2	172.3
Whitehorse (M)	89.4	47.1	508.0	644.6
Whittlesea (G)	7,081.0	218.9	875.5	8,175.4
Wyndham (G)	1,697.3	41.0	789.4	2,527.6
Yarra (I)	268.1	1.6	33.1	302.8
<b>Total</b>	<b>48,246.7</b>	<b>2,880.5</b>	<b>16,022.6</b>	<b>67,149.8</b>

### Notes:

I - inner; M - middle; O - outer; G - growth municipality

## Public open space ownership within the urban growth boundary

MUNICIPALITY	AREA (HA)			Total
	Crown	Public authority	Municipal	
Banyule (M)	306.8	9.2	589.0	905.0
Bayside (M)	179.2	1.2	263.3	443.7
Boroondara (M)	157.1	11.7	411.4	580.1
Brimbank (O)	674.4	67.9	960.7	1,702.9
Cardinia (G)	97.4	44.4	278.0	419.8
Casey (G)	621.3	473.0	1,018.4	2,112.8
Darebin (M)	317.6	42.2	421.9	781.7
Frankston (O)	322.0	69.6	384.4	776.0
Glen Eira (M)	63.7	0.1	116.7	180.5
Greater Dandenong (O)	83.0	85.7	332.0	500.7
Hobsons Bay (M)	380.2	174.1	346.6	900.9
Hume (G)	372.6	167.2	1,269.7	1,809.5
Kingston (M)	166.4	246.7	318.7	731.8
Knox (O)	241.7	158.9	764.2	1,164.8
Manningham (M)	467.3	31.7	597.8	1,096.8
Maribyrnong (M)	118.4	1.7	142.6	262.7
Maroondah (O)	60.7	43.3	492.7	596.8
Melbourne (I)	539.2	1.2	28.9	569.4
Melton (G)	176.0	0.6	652.6	829.1
Monash (M)	256.6	54.9	464.7	776.2
Moonee Valley (M)	160.2	17.1	341.5	518.8
Moreland (M)	39.5	51.4	404.4	495.2
Nillumbik (O)	87.8	7.3	248.2	343.2
Port Phillip (I)	380.1	0.1	10.5	390.6
Stonnington (I)	25.2	4.9	142.2	172.3
Whitehorse (M)	89.4	47.1	508.0	644.6
Whittlesea (G)	447.8	147.2	619.2	1,214.1
Wyndham (G)	169.8	41.0	693.7	904.5
Yarra (I)	268.1	1.6	33.1	302.8
<b>Total</b>	<b>7,269.5</b>	<b>2,002.7</b>	<b>12,855.1</b>	<b>22,127.3</b>

### Notes:

1. I – inner; M – middle; O – outer; G – growth municipality

2. 'Within urban growth boundary' refers to those areas within the urban growth boundary that are also in the investigation area.

## Public open space per capita (2006, 2016, 2026) in the investigation area

MUNICIPALITY	AREA (ha)	PUBLIC OPEN SPACE (HA) PER THOUSAND PEOPLE		
		2006	2016	2026
Banyule (M)	905.0	7.6	7.2	6.9
Bayside (M)	443.7	4.8	4.6	4.3
Boroondara (M)	580.1	3.6	3.3	3.2
Brimbank (O)	1,871.9	10.7	10.1	9.6
Cardinia (G)	20,031.9	342.1	200.2	135.4
Casey (G)	4,055.4	18.2	13.0	11.0
Darebin (M)	781.7	5.8	5.4	5.1
Frankston (O)	1,618.8	13.3	11.6	10.4
Glen Eira (M)	180.5	1.4	1.3	1.3
Greater Dandenong (O)	918.1	7.0	6.5	5.9
Hobsons Bay (M)	1,402.2	16.5	15.4	14.3
Hume (G)	3,159.9	20.6	15.5	12.6
Kingston (M)	1,243.3	8.9	8.2	8.3
Knox (O)	1,804.9	11.8	11.3	11.9
Manningham (M)	2,040.0	17.6	16.7	16.4
Maribyrnong (M)	262.7	4.0	3.6	3.2
Maroondah (O)	616.6	6.0	5.6	5.1
Melbourne (I)	569.4	7.0	4.6	3.5
Melton (G)	2,171.6	26.8	15.1	19.5
Monash (M)	776.2	4.6	4.3	4.0
Moonee Valley (M)	518.8	4.9	4.6	4.4
Moreland (M)	495.2	3.5	3.2	2.9
Nillumbik (O)	8,488.6	136.9	129.9	123.3
Port Phillip (I)	390.6	4.3	3.7	3.3
Stonnington (I)	172.3	1.8	1.7	1.5
Whitehorse (M)	644.6	4.3	4.0	3.8
Whittlesea (G)	8,175.4	63.1	41.7	33.1
Wyndham (G)	2,527.6	21.8	12.5	52.3
Yarra (I)	302.8	4.1	3.7	3.5
<b>Total</b>	<b>67,149.8</b>	-	-	-
<b>Median</b>	-	<b>7.0</b>	<b>6.5</b>	<b>5.9</b>

### Notes:

1. I – inner; M – middle; O – outer; G – growth municipality

2. The population projections are sourced from the document Victoria in the Future 2008 and focus on two points in time, 2016 and 2026.<sup>150</sup> The analysis assumes that public open space provision would remain fairly static, with the exception of additions of Public Acquisition Overlays (PAOs). It also assumes that existing PAOs will be purchased by 2026. While it is recognised that PAOs will not be the only method for additions to the public open space network, other sources of future public open space provision such as development contributions are considered too difficult to project.

Similarly, it is recognised that the Victorian Government has committed to six new regional parks in future growth areas (Werribee River Regional Park, Werribee Township Regional Park, Kororoit Creek Regional Park, Merri Creek Regional Park, Melton Township Regional Park and Cranbourne Regional Park).<sup>1</sup> One of these, Werribee River Regional Park, has been included in the analysis as it has known boundaries. The other parks have not been included as their extent is currently unknown.

## Public open space per capita (2006, 2016, 2026) within the urban growth boundary

MUNICIPALITY	AREA (ha)	PUBLIC OPEN SPACE (HA) PER THOUSAND PEOPLE		
		2006	2016	2026
Banyule (M)	905.0	7.6	7.2	6.9
Bayside (M)	443.7	4.8	4.6	4.3
Boroondara (M)	580.1	3.6	3.3	3.2
Brimbank (O)	1,702.9	9.7	9.2	8.7
Cardinia (G)	419.8	7.2	4.2	2.9
Casey (G)	2,112.8	9.5	6.8	5.7
Darebin (M)	781.7	5.8	5.4	5.1
Frankston (O)	776.0	6.4	5.6	5.0
Glen Eira (M)	180.5	1.4	1.3	1.3
Greater Dandenong (O)	500.7	3.8	3.5	3.2
Hobsons Bay (M)	900.9	10.6	9.9	9.2
Hume (G)	1,809.5	11.8	8.9	7.2
Kingston (M)	731.8	5.2	4.8	5.2
Knox (O)	1,164.8	7.6	7.3	8.1
Manningham (M)	1,096.8	9.5	9.0	9.1
Maribyrnong (M)	262.7	4.0	3.6	3.2
Maroondah (O)	596.8	5.8	5.4	5.0
Melbourne (I)	569.4	7.0	4.6	3.5
Melton (G)	829.1	10.2	5.8	4.2
Monash (M)	776.2	4.6	4.3	4.0
Moonee Valley (M)	518.8	4.9	4.6	4.4
Moreland (M)	495.2	3.5	3.2	2.9
Nillumbik (O)	343.2	5.5	5.3	5.7
Port Phillip (I)	390.6	4.3	3.7	3.3
Stonnington (I)	172.3	1.8	1.7	1.5
Whitehorse (M)	644.6	4.3	4.0	3.8
Whittlesea (G)	1,214.1	9.4	6.2	5.0
Wyndham (G)	904.5	7.8	4.5	3.3
Yarra (I)	302.8	4.1	3.7	3.5
<b>Total</b>	<b>22,127.3</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Median</b>	<b>-</b>	<b>5.8</b>	<b>4.6</b>	<b>4.3</b>

### Notes:

1. I – inner; M – middle; O – outer; G – growth municipality

2. 'Within urban growth boundary' refers to those areas within the urban growth boundary that are also in the investigation area.

The population projections are sourced from the document Victoria in the Future 2008 and focus on two points in time, 2016 and 2026.<sup>150</sup> The analysis assumes that public open space provision would remain fairly static, with the exception of additions of Public Acquisition Overlays (PAOs). It also assumes that existing PAOs will be purchased by 2026. While it is recognised that PAOs will not be the only method for additions to the public open space network, other sources of future public open space provision such as development contributions are considered too difficult to project.

Similarly, it is recognised that the Victorian Government has committed to six new regional parks in future growth areas (Werribee River Regional Park, Werribee Township Regional Park, Kororoit Creek Regional Park, Merri Creek Regional Park, Melton Township Regional Park and Cranbourne Regional Park).<sup>1</sup> One of these, Werribee River Regional Park, has been included in the analysis as it has known boundaries. The other parks have not been included as their extent is currently unknown.

# APPENDIX 7

## PROCEDURES USED IN THE DISPOSAL OF CROWN LAND AND PUBLIC AUTHORITY LAND

### Crown land

Crown land is managed by a range of public authorities and other organisations in accordance with its public land use category or reservation. For example, land reserved for a school, water supply or police station is managed by the government agency responsible for that function. Many areas of Crown land are managed by committees of management (committees are often incorporated community groups or local councils). The Minister for Environment and Climate Change and the Department of Sustainability and Environment (DSE) have a role to reserve land for the required purposes, and to establish committees of management. These responsibilities stem from the *Land Act 1958* and *Crown Land (Reserves) Act 1978*.

### Assessment

DSE has a program to audit Crown land parcels that fall under its direct management responsibility, with one of the aims being to divest parcels that are surplus to requirements. If land is not required it is assessed to determine whether it has public land values, in accordance with the 1998 'Crown Land Assessment Guidelines' – known as the GL/PL (i.e. government land/public land) assessment.<sup>213</sup>

The Minister for Environment and Climate Change is responsible for the *Crown Land (Reserves) Act 1978* and for land reserved under this Act. Consequently, when public authorities identify that Crown land is no longer required (for example, a disused police station), they notify DSE which conducts a GL/PL assessment of the land.

Land is assessed against the criteria listed below (DSE is currently revising these criteria). If the land meets one or more of the criteria, it is categorised as *public land* – to be withheld from sale and reallocated to another use compatible with the existing values of the land. This could result in its addition to an existing reserve, or creation of a new park or other Crown land reserve, or the reuse of former government buildings by local communities. The criteria are:

- ▶ natural values or conservation significance for present and future generations
- ▶ historical significance that it should be retained as part of the public estate for current and future generations
- ▶ recreation or tourism significance for current and future generations
- ▶ natural resource production/utilisation significance for present or future generations
- ▶ social or cultural significance (including special significance for the Aboriginal community) for present or future generations
- ▶ other special values relevant to meeting present and future land uses
- ▶ intrinsic value for any of the above purposes outweighs any potential benefits to be gained by reclassifying the land.

If the land meets none of the above criteria, it is categorised as *government land*, and may be sold. In some cases *government land* is sold with a covenant or other restriction on title designed to protect public land values. This can occur when it is determined that the restriction can adequately protect the identified public land values on the land. The land must also be assessed to determine if Native Title has been extinguished as Crown land cannot be sold unless it can be shown that this is the case.

### Disposal of land

The details of Crown land assessed as *government land* are forwarded to the Department of Treasury and Finance to manage the sale process. Areas of Crown land do not have land titles, so this includes carrying out the formal steps leading to the issuing of a title.

The sale of land must adhere to the Government Land Monitor's (GLM) Policy and will require approval of the GLM for transactions greater than \$250,000. Often the land has an existing zoning for a public purpose in the planning scheme, and a rezoning is required prior to sale to achieve the best financial outcome. Government departments and the relevant local government must be offered the opportunity to purchase the land (at market value as assessed by the Valuer-General).

If the land is permanently reserved Crown land, a specific amendment to an Act of Parliament is required to revoke its reservation status. Temporary reservations of Crown land can be revoked by Orders of the Governor in Council (GIC) to remove its reservation status. Vested land must be divested, using a parliamentary or GIC process. These are important checks in the accountability process as they allow for public scrutiny. The administration of both steps is carried out by DSE.

## Public consultation

Land is generally offered to other public authorities and then to the relevant local council for purchase. If it is not purchased at these stages, it is generally sold by public auction. Public consultation occurs as part of the rezoning process and advertising of a public auction.

## Public authority freehold land

### Assessment

Public authorities use internal business processes to determine whether their freehold land is surplus to operational requirements. If land is considered to be surplus, it can be considered for sale and a financial return obtained in keeping with the commercial or operational objectives of the authority.

Public authorities are not required to determine whether the land is suitable for an alternative public purpose, so no equivalent GL/PL assessment process is undertaken. However, occasionally some public authority land is referred to DSE for this assessment.

### Disposal

Public authority land is sold in accordance with the Government Land Monitor's Policy, as for Crown land. Thus the land may be offered for sale firstly to public authorities or and then relevant local councils.

If the land has recognised significance for biodiversity, heritage or other values, it may be protected by use of statutory tools. For example a public authority may use one or more of the following tools to protect biodiversity values:

- ▶ application of an Vegetation Protection Overlay or Environmental Significance Overlay in Victoria's planning scheme
- ▶ protective covenant under the *Victoria Conservation Trust Act 1972*
- ▶ section 173 agreement under the *Planning and Environment Act 1987* (for example to designate a building envelope to minimise impacts on remaining native vegetation).

### Public consultation

As for the disposal of Crown land, public consultation occurs as part of the rezoning process and public auction and through advertising of a public auction.



